

Power Systems

System reference codes (1xxx - Axxx)



Note

Before using this information and the product it supports, read the information in [“Safety notices” on page ix](#), [“Notices” on page 1157](#), the *IBM Systems Safety Notices* manual, G229-9054, and the *IBM Environmental Notices and User Guide*, Z125-5823.

This edition applies to IBM® Power Systems servers that contain the POWER9™ processor and to all associated models.

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Safety notices

Safety notices may be printed throughout this guide:

- **DANGER** notices call attention to a situation that is potentially lethal or extremely hazardous to people.
- **CAUTION** notices call attention to a situation that is potentially hazardous to people because of some existing condition.
- **Attention** notices call attention to the possibility of damage to a program, device, system, or data.

World Trade safety information

Several countries require the safety information contained in product publications to be presented in their national languages. If this requirement applies to your country, safety information documentation is included in the publications package (such as in printed documentation, on DVD, or as part of the product) shipped with the product. The documentation contains the safety information in your national language with references to the U.S. English source. Before using a U.S. English publication to install, operate, or service this product, you must first become familiar with the related safety information documentation. You should also refer to the safety information documentation any time you do not clearly understand any safety information in the U.S. English publications.

Replacement or additional copies of safety information documentation can be obtained by calling the IBM Hotline at 1-800-300-8751.

German safety information

Das Produkt ist nicht für den Einsatz an Bildschirmarbeitsplätzen im Sinne § 2 der Bildschirmarbeitsverordnung geeignet.

Laser safety information

IBM servers can use I/O cards or features that are fiber-optic based and that utilize lasers or LEDs.

Laser compliance

IBM servers may be installed inside or outside of an IT equipment rack.



DANGER: When working on or around the system, observe the following precautions:

Electrical voltage and current from power, telephone, and communication cables are hazardous. To avoid a shock hazard: If IBM supplied the power cord(s), connect power to this unit only with the IBM provided power cord. Do not use the IBM provided power cord for any other product. Do not open or service any power supply assembly. Do not connect or disconnect any cables or perform installation, maintenance, or reconfiguration of this product during an electrical storm.



- The product might be equipped with multiple power cords. To remove all hazardous voltages, disconnect all power cords. For AC power, disconnect all power cords from their AC power source. For racks with a DC power distribution panel (PDP), disconnect the customer's DC power source to the PDP.
- When connecting power to the product ensure all power cables are properly connected. For racks with AC power, connect all power cords to a properly wired and grounded electrical outlet. Ensure that the outlet supplies proper voltage and phase rotation according to the system rating plate. For racks with a DC power distribution panel (PDP), connect the customer's DC power source to the PDP. Ensure that the proper polarity is used when attaching the DC power and DC power return wiring.
- Connect any equipment that will be attached to this product to properly wired outlets.

- When possible, use one hand only to connect or disconnect signal cables.
- Never turn on any equipment when there is evidence of fire, water, or structural damage.
- Do not attempt to switch on power to the machine until all possible unsafe conditions are corrected.
- When performing a machine inspection: Assume that an electrical safety hazard is present. Perform all continuity, grounding, and power checks specified during the subsystem installation procedures to ensure that the machine meets safety requirements. Do not attempt to switch power to the machine until all possible unsafe conditions are corrected. Before you open the device covers, unless instructed otherwise in the installation and configuration procedures: Disconnect the attached AC power cords, turn off the applicable circuit breakers located in the rack power distribution panel (PDP), and disconnect any telecommunications systems, networks, and modems.
- Connect and disconnect cables as described in the following procedures when installing, moving, or opening covers on this product or attached devices.

To Disconnect: 1) Turn off everything (unless instructed otherwise). 2) For AC power, remove the power cords from the outlets. 3) For racks with a DC power distribution panel (PDP), turn off the circuit breakers located in the PDP and remove the power from the Customer's DC power source. 4) Remove the signal cables from the connectors. 5) Remove all cables from the devices.

To Connect: 1) Turn off everything (unless instructed otherwise). 2) Attach all cables to the devices. 3) Attach the signal cables to the connectors. 4) For AC power, attach the power cords to the outlets. 5) For racks with a DC power distribution panel (PDP), restore the power from the Customer's DC power source and turn on the circuit breakers located in the PDP. 6) Turn on the devices.



- Sharp edges, corners and joints may be present in and around the system. Use care when handling equipment to avoid cuts, scrapes and pinching. (D005)

(R001 part 1 of 2):



DANGER: Observe the following precautions when working on or around your IT rack system:

- Heavy equipment—personal injury or equipment damage might result if mishandled.
- Always lower the leveling pads on the rack cabinet.
- Always install stabilizer brackets on the rack cabinet if provided, unless the earthquake option is to be installed.
- To avoid hazardous conditions due to uneven mechanical loading, always install the heaviest devices in the bottom of the rack cabinet. Always install servers and optional devices starting from the bottom of the rack cabinet.
- Rack-mounted devices are not to be used as shelves or work spaces. Do not place objects on top of rack-mounted devices. In addition, do not lean on rack mounted devices and do not use them to stabilize your body position (for example, when working from a ladder).



- Stability hazard:
 - The rack may tip over causing serious personal injury.
 - Before extending the rack to the installation position, read the installation instructions.
 - Do not put any load on the slide-rail mounted equipment mounted in the installation position.
 - Do not leave the slide-rail mounted equipment in the installation position.
- Each rack cabinet might have more than one power cord.
 - For AC powered racks, be sure to disconnect all power cords in the rack cabinet when directed to disconnect power during servicing.

- For racks with a DC power distribution panel (PDP), turn off the circuit breaker that controls the power to the system unit(s), or disconnect the customer's DC power source, when directed to disconnect power during servicing.
- Connect all devices installed in a rack cabinet to power devices installed in the same rack cabinet. Do not plug a power cord from a device installed in one rack cabinet into a power device installed in a different rack cabinet.
- An electrical outlet that is not correctly wired could place hazardous voltage on the metal parts of the system or the devices that attach to the system. It is the responsibility of the customer to ensure that the outlet is correctly wired and grounded to prevent an electrical shock. (R001 part 1 of 2)

(R001 part 2 of 2):



CAUTION:

- Do not install a unit in a rack where the internal rack ambient temperatures will exceed the manufacturer's recommended ambient temperature for all your rack-mounted devices.
- Do not install a unit in a rack where the air flow is compromised. Ensure that air flow is not blocked or reduced on any side, front, or back of a unit used for air flow through the unit.
- Consideration should be given to the connection of the equipment to the supply circuit so that overloading of the circuits does not compromise the supply wiring or overcurrent protection. To provide the correct power connection to a rack, refer to the rating labels located on the equipment in the rack to determine the total power requirement of the supply circuit.
- *(For sliding drawers.)* Do not pull out or install any drawer or feature if the rack stabilizer brackets are not attached to the rack or if the rack is not bolted to the floor. Do not pull out more than one drawer at a time. The rack might become unstable if you pull out more than one drawer at a time.



- *(For fixed drawers.)* This drawer is a fixed drawer and must not be moved for servicing unless specified by the manufacturer. Attempting to move the drawer partially or completely out of the rack might cause the rack to become unstable or cause the drawer to fall out of the rack. (R001 part 2 of 2)



CAUTION: Removing components from the upper positions in the rack cabinet improves rack stability during relocation. Follow these general guidelines whenever you relocate a populated rack cabinet within a room or building.

- Reduce the weight of the rack cabinet by removing equipment starting at the top of the rack cabinet. When possible, restore the rack cabinet to the configuration of the rack cabinet as you received it. If this configuration is not known, you must observe the following precautions:
 - Remove all devices in the 32U position and above.
 - Ensure that the heaviest devices are installed in the bottom of the rack cabinet.

- Ensure that there are little-to-no empty U-levels between devices installed in the rack cabinet below the 32U level, unless the received configuration specifically allowed it.
- If the rack cabinet you are relocating is part of a suite of rack cabinets, detach the rack cabinet from the suite.
- If the rack cabinet you are relocating was supplied with removable outriggers they must be reinstalled before the cabinet is relocated.
- Inspect the route that you plan to take to eliminate potential hazards.
- Verify that the route that you choose can support the weight of the loaded rack cabinet. Refer to the documentation that comes with your rack cabinet for the weight of a loaded rack cabinet.
- Verify that all door openings are at least 760 x 2083 mm (30 x 82 in.).
- Ensure that all devices, shelves, drawers, doors, and cables are secure.
- Ensure that the four leveling pads are raised to their highest position.
- Ensure that there is no stabilizer bracket installed on the rack cabinet during movement.
- Do not use a ramp inclined at more than 10 degrees.
- When the rack cabinet is in the new location, complete the following steps:
 - Lower the four leveling pads.
 - Install stabilizer brackets on the rack cabinet or in an earthquake environment bolt the rack to the floor.
 - If you removed any devices from the rack cabinet, repopulate the rack cabinet from the lowest position to the highest position.
- If a long-distance relocation is required, restore the rack cabinet to the configuration of the rack cabinet as you received it. Pack the rack cabinet in the original packaging material, or equivalent. Also lower the leveling pads to raise the casters off of the pallet and bolt the rack cabinet to the pallet.

(R002)

(L001)



DANGER: Hazardous voltage, current, or energy levels are present inside any component that has this label attached. Do not open any cover or barrier that contains this label. (L001)

(L002)



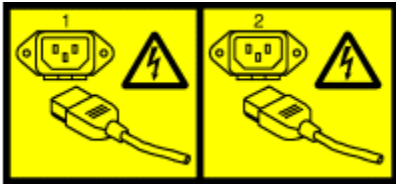
DANGER: Rack-mounted devices are not to be used as shelves or work spaces. Do not place objects on top of rack-mounted devices. In addition, do not lean on rack-mounted devices and do not use them to stabilize your body position (for example, when working from a ladder). Stability hazard:

- The rack may tip over causing serious personal injury.
- Before extending the rack to the installation position, read the installation instructions.

- Do not put any load on the slide-rail mounted equipment mounted in the installation position.
- Do not leave the slide-rail mounted equipment in the installation position.

(L002)

(L003)



or



or

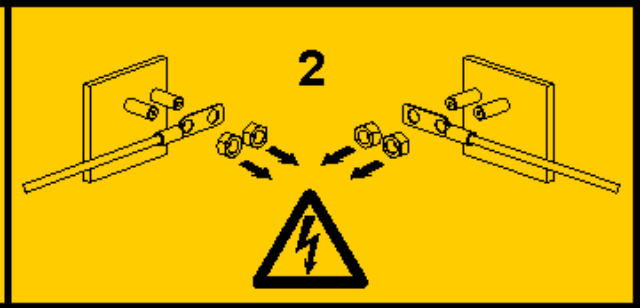
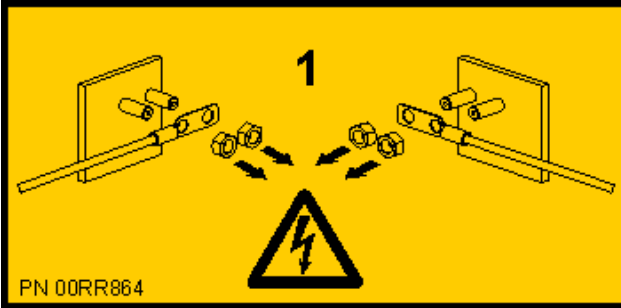


or



or





DANGER: Multiple power cords. The product might be equipped with multiple AC power cords or multiple DC power cables. To remove all hazardous voltages, disconnect all power cords and power cables. (L003)

(L007)



CAUTION: A hot surface nearby. (L007)

(L008)



CAUTION: Hazardous moving parts nearby. (L008)

All lasers are certified in the U.S. to conform to the requirements of DHHS 21 CFR Subchapter J for class 1 laser products. Outside the U.S., they are certified to be in compliance with IEC 60825 as a class 1 laser product. Consult the label on each part for laser certification numbers and approval information.



CAUTION: This product might contain one or more of the following devices: CD-ROM drive, DVD-ROM drive, DVD-RAM drive, or laser module, which are Class 1 laser products. Note the following information:

- Do not remove the covers. Removing the covers of the laser product could result in exposure to hazardous laser radiation. There are no serviceable parts inside the device.
- Use of the controls or adjustments or performance of procedures other than those specified herein might result in hazardous radiation exposure.

(C026)



CAUTION: Data processing environments can contain equipment transmitting on system links with laser modules that operate at greater than Class 1 power levels. For this reason, never look into the end of an optical fiber cable or open receptacle. Although shining light into one end and looking into the other end of a disconnected optical fiber to verify the continuity of optic fibers may not injure the eye, this procedure is potentially dangerous. Therefore, verifying the continuity of optical fibers by shining light into one end and looking at the other end is not recommended. To verify continuity of a fiber optic cable, use an optical light source and power meter. (C027)



CAUTION: This product contains a Class 1M laser. Do not view directly with optical instruments. (C028)



CAUTION: Some laser products contain an embedded Class 3A or Class 3B laser diode. Note the following information:

- Laser radiation when open.
- Do not stare into the beam, do not view directly with optical instruments, and avoid direct exposure to the beam. (C030)

(C030)



CAUTION: The battery contains lithium. To avoid possible explosion, do not burn or charge the battery.

Do Not:

- Throw or immerse into water
- Heat to more than 100 degrees C (212 degrees F)
- Repair or disassemble

Exchange only with the IBM-approved part. Recycle or discard the battery as instructed by local regulations. In the United States, IBM has a process for the collection of this battery. For information, call 1-800-426-4333. Have the IBM part number for the battery unit available when you call. (C003)



CAUTION: Regarding IBM provided VENDOR LIFT TOOL:

- Operation of LIFT TOOL by authorized personnel only.
- LIFT TOOL intended for use to assist, lift, install, remove units (load) up into rack elevations. It is not to be used loaded transporting over major ramps nor as a replacement for such designated tools like pallet jacks, walkies, fork trucks and such related relocation practices. When this is not practicable, specially trained persons or services must be used (for instance, riggers or movers).
- Read and completely understand the contents of LIFT TOOL operator's manual before using. Failure to read, understand, obey safety rules, and follow instructions may result in property damage and/or personal injury. If there are questions, contact the vendor's service and support. Local paper manual must remain with machine in provided storage sleeve area. Latest revision manual available on vendor's web site.
- Test verify stabilizer brake function before each use. Do not over-force moving or rolling the LIFT TOOL with stabilizer brake engaged.
- Do not raise, lower or slide platform load shelf unless stabilizer (brake pedal jack) is fully engaged. Keep stabilizer brake engaged when not in use or motion.
- Do not move LIFT TOOL while platform is raised, except for minor positioning.
- Do not exceed rated load capacity. See LOAD CAPACITY CHART regarding maximum loads at center versus edge of extended platform.
- Only raise load if properly centered on platform. Do not place more than 200 lb (91 kg) on edge of sliding platform shelf also considering the load's center of mass/gravity (CoG).
- Do not corner load the platforms, tilt riser, angled unit install wedge or other such accessory options. Secure such platforms -- riser tilt, wedge, etc options to main lift shelf or forks in all four (4x or all other provisioned mounting) locations with provided hardware only, prior to use. Load objects are designed to slide on/off smooth platforms without appreciable force, so take care not

to push or lean. Keep riser tilt [adjustable angling platform] option flat at all times except for final minor angle adjustment when needed.

- Do not stand under overhanging load.
- Do not use on uneven surface, incline or decline (major ramps).
- Do not stack loads.
- Do not operate while under the influence of drugs or alcohol.
- Do not support ladder against LIFT TOOL (unless the specific allowance is provided for one following qualified procedures for working at elevations with this TOOL).
- Tipping hazard. Do not push or lean against load with raised platform.
- Do not use as a personnel lifting platform or step. No riders.
- Do not stand on any part of lift. Not a step.
- Do not climb on mast.
- Do not operate a damaged or malfunctioning LIFT TOOL machine.
- Crush and pinch point hazard below platform. Only lower load in areas clear of personnel and obstructions. Keep hands and feet clear during operation.
- No Forks. Never lift or move bare LIFT TOOL MACHINE with pallet truck, jack or fork lift.
- Mast extends higher than platform. Be aware of ceiling height, cable trays, sprinklers, lights, and other overhead objects.
- Do not leave LIFT TOOL machine unattended with an elevated load.
- Watch and keep hands, fingers, and clothing clear when equipment is in motion.
- Turn Winch with hand power only. If winch handle cannot be cranked easily with one hand, it is probably over-loaded. Do not continue to turn winch past top or bottom of platform travel. Excessive unwinding will detach handle and damage cable. Always hold handle when lowering, unwinding. Always assure self that winch is holding load before releasing winch handle.
- A winch accident could cause serious injury. Not for moving humans. Make certain clicking sound is heard as the equipment is being raised. Be sure winch is locked in position before releasing handle. Read instruction page before operating this winch. Never allow winch to unwind freely. Freewheeling will cause uneven cable wrapping around winch drum, damage cable, and may cause serious injury.
- This TOOL must be maintained correctly for IBM Service personnel to use it. IBM shall inspect condition and verify maintenance history before operation. Personnel reserve the right not to use TOOL if inadequate. (C048)

Power and cabling information for NEBS (Network Equipment-Building System) GR-1089-CORE

The following comments apply to the IBM servers that have been designated as conforming to NEBS (Network Equipment-Building System) GR-1089-CORE:

The equipment is suitable for installation in the following:

- Network telecommunications facilities
- Locations where the NEC (National Electrical Code) applies

The intrabuilding ports of this equipment are suitable for connection to intrabuilding or unexposed wiring or cabling only. The intrabuilding ports of this equipment *must not* be metallically connected to the interfaces that connect to the OSP (outside plant) or its wiring. These interfaces are designed for use as intrabuilding interfaces only (Type 2 or Type 4 ports as described in GR-1089-CORE) and require isolation from the exposed OSP cabling. The addition of primary protectors is not sufficient protection to connect these interfaces metallically to OSP wiring.

Note: All Ethernet cables must be shielded and grounded at both ends.

The ac-powered system does not require the use of an external surge protection device (SPD).

The dc-powered system employs an isolated DC return (DC-I) design. The DC battery return terminal *shall not* be connected to the chassis or frame ground.

The dc-powered system is intended to be installed in a common bonding network (CBN) as described in GR-1089-CORE.

System reference codes (1xxx - Axxx) overview

Reference codes are diagnostics aids that help you find solutions to system problems.

Reference codes are diagnostic aids that help you determine the source of a hardware or operating system problem. Using a reference code enables you to find the solution to fix the problem. To use reference codes effectively, you must use them in conjunction with other service and support procedures.

Note: System reference codes (SRCs) often indicate failing items. Some failing items are required to be exchanged in groups until the problem is solved. Other failing items are flagged as mandatory exchange and must be exchanged before the service action is complete, even if the problem appears to have been repaired. For more information, see [“Block replacement of FRUs” on page 1](#).

Block replacement of FRUs

Sometimes, multiple field replaceable units (FRUs) or procedures are called out for replacement by an SRC listed in the service action log (SAL). Each FRU or procedure has a priority, and procedures are always in priority order, from highest to lowest priority. Follow the steps below:

1. Perform all high priority or mandatory FRU replacements or procedures at the same time (as a block).
2. If the problem persists after performing the high priority FRU replacements or procedures, then perform the medium priority FRU replacements or procedures one at a time, unless a medium grouping priority is associated with the FRUs or procedures that are called out in the SRC. A medium grouping priority, shown with an A, B, or C, means that you need to perform all the FRU replacements or procedures in that group at the same time (as a block).
3. Finally, if the problem still persists after performing the medium priority FRU replacements or procedures, then perform the low priority FRU replacements or procedures one at a time.

The priorities of performing the FRU replacements or procedures are shown in the following ways, depending on how you view the SRC:

- Advanced System Management Interface (ASMI): The ASMI shows a priority with each callout in the log.
- Control panel: The control panel shows one of the following priorities with each callout:
 - H = High
 - M = Medium
 - MA = Medium group A
 - MB = Medium group B
 - MC = Medium group C
 - L = Low
- Management console: The details of the serviceable event display the FRU replacement priority as high, medium, and so on.
- Service action log: In the SAL, the Part Action for the FRU in the view of the event shows the replacement priority.

(1000) Reference codes

100000AC

Explanation:

An AC loss was detected.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure

callouts detailed with the SRC to determine service actions.

Problem determination

The system may have experienced an AC Power Loss external to the system such as utility or building power and the system may have recovered.

1. If there was a utility, building or room power loss that would have affected the system at the same time this SRC was reported then you can ignore and close this event. No service is required. Otherwise continue with the next step in this procedure.
2. Ensure the line cords are properly connected and seated on both ends. For help in locating the line cords of the power supply reporting this problem use the location code in the serviceable event or the symbolic FRU in the failing items list below.
3. If the system was just installed or moved, verify the AC input voltage is correct.
4. If the problem is not resolved then report this problem to your service provider.

100000C6**Explanation:**

The PCIe3 expansion drawer has powered on.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100000EF**Explanation:**

An emergency power off occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001100**Explanation:**

Power Supply non power fault (PS1)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001101**Explanation:**

Power Supply non power fault (PS2)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001300**Explanation:**

Power Supply power fault (PS1)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001301**Explanation:**

Power Supply power fault (PS2)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001400**Explanation:**

Domain Fault allocated to node (PS1)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001401**Explanation:**

Domain Fault allocated to node (PS2)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001500**Explanation:**

Power Supply AC fault (PS1)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001501**Explanation:**

Power Supply AC fault (PS2)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001510**Explanation:**

Power Supply AC fault (PS1)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

10001511

Explanation:

Power Supply power fault (PS1)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

10001512

Explanation:

Power Supply non power fault (PS1)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)
- [CBLALL](#)

10001513

Explanation:

Domain Fault allocated to node (PS1)

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

10001516

Explanation:

Power Supply missing (PS1)

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

1000151F

Explanation:

Fan Fault - PS1 MPS fault bit set

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10001520

Explanation:

Power Supply AC fault (PS2)

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

10001521

Explanation:

Power Supply power fault (PS2)

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

10001522

Explanation:

Power Supply non power fault (PS2)

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)
- [CBLALL](#)

10001523

Explanation:

Domain Fault allocated to node (PS2)

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

10001526

Explanation:

Power Supply missing (PS2)

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

1000152F

Explanation:

Fan Fault - PS2 MPS fault bit set

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10001600

Explanation:

Power Supply missing (PS1)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001601

Explanation:

Power Supply missing (PS2)

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001700

Explanation:

Fan Fault - PS1 MPS fault bit set

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001701

Explanation:

Fan Fault - PS2 MPS fault bit set

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10001F02

Explanation:

An ILOG threshold was reached.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002610

Explanation:

P1 IO Bay VRM not plugged

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002611

Explanation:

P2 IO Bay VRM not plugged

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002620

Explanation:

P1 IO Bay 3.3VCS Pgood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002621**Explanation:**

P2 IO Bay 3.3VCS Pgood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002630**Explanation:**

P1 IO Bay 1.2VCS Module Pgood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002631**Explanation:**

P2 IO Bay 1.2VCS Module Pgood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002640**Explanation:**

P1 IO Bay 1.2VCS Module B Pgood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002641**Explanation:**

P2 IO Bay 1.2VCS Module B Pgood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002650**Explanation:**

P1 IO Bay 12V SS PGood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002651**Explanation:**

P2 IO Bay 12V SS PGood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002660**Explanation:**

P1 IO Bay VRM NON-VCS Pgood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002661**Explanation:**

P2 IO Bay VRM NON-VCS Pgood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002670**Explanation:**

P1 IO Bay 1.0V Pgood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002671**Explanation:**

P2 IO Bay 1.0V Pgood Fault

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002680**Explanation:**

P1 IO Bay 1.0V Pgood Fault B

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002681**Explanation:**

P2 IO Bay 1.0V Pgood Fault B

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002690**Explanation:**

P1 IO Bay VRM is in "N-Mode"

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10002691**Explanation:**

P2 IO Bay VRM is in "N-Mode"

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100026A0**Explanation:**

P1 IO Bay VRM is in "N+1 Mode" INFO

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100026A1**Explanation:**

P2 IO Bay VRM is in "N+1 Mode" INFO

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100026B0**Explanation:**

P1 IO Bay VRM is in "N+1 Mode" CRIT

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100026B1**Explanation:**

P2 IO Bay VRM is in "N+1 Mode" CRIT

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100026C0**Explanation:**

P1 IO Bay voltage regulator module (VRM) not plugged

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026C1**Explanation:**

P1 IO Bay 3.3VCS Pgood Fault

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026C2**Explanation:**

P1 IO Bay 1.2VCS Module Pgood Fault

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026C3**Explanation:**

P1 IO Bay 1.2VCS Module B Pgood Fault

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026C4**Explanation:**

P1 IO Bay 12V SS PGood Fault. Please check your PCIE adapter configuration for errors.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026C5**Explanation:**

P1 IO Bay voltage regulator module (VRM) NON-VCS Pgood Fault

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026C6**Explanation:**

P1 IO Bay 1.0V Pgood Fault

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026C7**Explanation:**

P1 IO Bay 1.0V Pgood Fault B

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026C8**Explanation:**

P1 IO Bay voltage regulator module (VRM) is in "N-Mode"

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026C9**Explanation:**

P1 IO Bay voltage regulator module (VRM) is in "N+1 Mode" INFO

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026CA**Explanation:**

P1 IO Bay voltage regulator module (VRM) is in "N+1 Mode" CRIT

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026D0**Explanation:**

P2 IO Bay voltage regulator module (VRM) not plugged

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026D1**Explanation:**

P2 IO Bay 3.3VCS Pgood Fault

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026D2**Explanation:**

P2 IO Bay 1.2VCS Module Pgood Fault

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026D3**Explanation:**

P2 IO Bay 1.2VCS Module B Pgood Fault

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026D4**Explanation:**

P2 IO Bay 12V SS PGood Fault. Please check your PCIE adapter configuration for errors.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026D5**Explanation:**

P2 IO Bay voltage regulator module (VRM) NON-VCS Pgood Fault

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026D6**Explanation:**

P2 IO Bay 1.0V Pgood Fault

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026D7**Explanation:**

P2 IO Bay 1.0V Pgood Fault B

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026D8**Explanation:**

P2 IO Bay voltage regulator module (VRM) is in "N-Mode"

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026D9**Explanation:**

P2 IO Bay voltage regulator module (VRM) is in "N+1 Mode" INFO

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100026DA**Explanation:**

P2 IO Bay voltage regulator module (VRM) is in "N+1 Mode" CRIT

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10003100**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003101**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure

callouts detailed with the SRC to determine service actions.

10003102**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003103**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003104**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003105**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003106**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003107**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure

callouts detailed with the SRC to determine service actions.

10003108**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003109**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000310A**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000310B**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000310C**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000310D**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure

callouts detailed with the SRC to determine service actions.

1000310E**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000310F**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003110**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003111**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003112**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003113**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure

callouts detailed with the SRC to determine service actions.

10003114**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003115**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003116**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003117**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003118**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003119**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure

callouts detailed with the SRC to determine service actions.

1000311A**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000311B**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000311C**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000311D**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000311E**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000311F**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure

callouts detailed with the SRC to determine service actions.

10003120**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003121**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003122**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003123**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003124**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003125**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure

callouts detailed with the SRC to determine service actions.

10003140**Explanation:**

An I2C device error occurred.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10003146**Explanation:**

An I2C device error occurred.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10003155**Explanation:**

An I2C device error occurred.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100031FF**Explanation:**

I2C Bus 1 Fault SDA and/or SCL Stuck Low

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003226**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003227**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003228

Explanation:

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003229**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000322A**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000322B**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000322C**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000322D**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000322E**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000322F**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003230**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003231**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003232**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003233**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003234**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003235**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003236**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003237**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003238**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003239**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000323A**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000323B**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000323C**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000323D**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000323E**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000323F**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003240**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003241**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003242**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003243**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003244**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003245**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003246**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003247**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003248**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10003249**Explanation:**

An I2C bus error occurred.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100032FF**Explanation:**

I2C Bus 2 Fault SDA and/or SCL Stuck Low

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000334A**Explanation:**

I2C Error device POWER_SUPPLY_1

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100033FF**Explanation:**

I2C Bus 3 Fault SDA and/or SCL Stuck Low

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000344B**Explanation:**

I2C Error device POWER_SUPPLY_0

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100034FF**Explanation:**

I2C Bus 4 Fault SDA and/or SCL Stuck Low

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007100**Explanation:**

Sensor Fault - BMP 180 was detected.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007201**Explanation:**

High Temperature Warning

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007202**Explanation:**

Temperature Warning Reset

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007210**Explanation:**

High Altitude Warning

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007500**Explanation:**

Fan Controller Fault - ADT 7470 1

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007501**Explanation:**

Fan Controller Fault - ADT 7470 2

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007600**Explanation:**

Fan Fault - PS1 Fan Rotor 1

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007601**Explanation:**

Fan Fault - PS1 Fan Rotor 2

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007602**Explanation:**

Fan Fault - PS2 Fan Rotor 1

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007603**Explanation:**

Fan Fault - PS2 Fan Rotor 2

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007604**Explanation:**

Fan Fault - System Fan 1, Rotor 1

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007605**Explanation:**

Fan Fault - System Fan 1, Rotor 2

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007606**Explanation:**

Fan Fault - System Fan 2, Rotor 1

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007607**Explanation:**

Fan Fault - System Fan 2, Rotor 2

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007608**Explanation:**

Fan Fault - System Fan 3, Rotor 1

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007609**Explanation:**

Fan Fault - System Fan 3, Rotor 2

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000760A**Explanation:**

Fan Fault - System Fan 4, Rotor 1

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000760B**Explanation:**

Fan Fault - System Fan 4, Rotor 2

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007610**Explanation:**

Fan Fault - System Fan 1, Rotor 1

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007611**Explanation:**

Fan Missing - System Fan 1

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007620**Explanation:**

Fan Fault - System Fan 2, Rotor 1

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007621**Explanation:**

Fan Missing - System Fan 2

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007630**Explanation:**

Fan Fault - System Fan 3, Rotor 1

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007631**Explanation:**

Fan Missing - System Fan 3

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007640**Explanation:**

Fan Fault - System Fan 4, Rotor 1

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007641**Explanation:**

Fan Missing - System Fan 4

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007704**Explanation:**

Fan Missing - System Fan 1

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007706**Explanation:**

Fan Missing - System Fan 2

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007708**Explanation:**

Fan Missing - System Fan 3

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000770A**Explanation:**

Fan Missing - System Fan 4

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007800**Explanation:**

Fan Communication Error - PS1 Rotor1.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007801**Explanation:**

Fan Communication Error - PS1 Rotor2.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007802**Explanation:**

Fan Communication Error - PS2 Rotor1.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007803**Explanation:**

Fan Communication Error - PS2 Rotor2.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10007900**Explanation:**

An I/O module failure was detected.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007901**Explanation:**

An I/O module was removed with system powered on. No service action is required.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007902**Explanation:**

Unable to determine IO Bay 0 type.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007910**Explanation:**

An I/O module failure was detected.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007911**Explanation:**

An I/O module was removed with system powered on. No service action is required.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10007912**Explanation:**

Unable to determine IO Bay 1 type.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10008401**Explanation:**

Failure reading I2C VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008402**Explanation:**

CMC Card VPD content problem.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008403**Explanation:**

VRM0 has chkum errors in VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008404**Explanation:**

VRM1 has chkum errors in VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008405**Explanation:**

Midplane has ECC errors or other bad VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008406**Explanation:**

IOBAY0 has ECC errors or other bad VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008407**Explanation:**

IOBAY1 has ECC errors or other bad VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008408**Explanation:**

PINEY has ECC errors or other bad VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008409**Explanation:**

Midplane redundant VPD has ECC errors or other bad VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

1000840F**Explanation:**

CMC Card VPD content problem.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084B5**Explanation:**

LX VPD Keyword missing from the I/O module.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100084C0**Explanation:**

Machine Type/Model keyword not found in midplane VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084C1**Explanation:**

Machine Type/Model keyword not found in midplane VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure

callouts detailed with the SRC to determine service actions.

100084C2**Explanation:**

Machine Serial Number keyword not found in midplane VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084C3**Explanation:**

Machine Serial Number keyword not found in midplane VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084C4**Explanation:**

Valid midplane VPD not collected.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084C5**Explanation:**

Valid midplane VPD not collected.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084C6**Explanation:**

Failure updating Machine Type/Model keyword in midplane VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084C7**Explanation:**

Failure updating Machine Type/Model keyword in midplane VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084C8**Explanation:**

Failure updating Machine Serial Number keyword in midplane VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084C9**Explanation:**

Failure updating Machine Serial Number keyword in midplane VPD.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084CA**Explanation:**

Failure updating Machine Serial Number keyword in midplane VPD due to I2C error.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084CB**Explanation:**

Failure updating Machine Serial Number keyword in midplane VPD due to I2C error.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084CC**Explanation:**

CMC Card Non-volatile storage problem.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084CD**Explanation:**

The Machine Type, Model, and Serial Number values cannot be determined.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084CE**Explanation:**

The Machine Type, Model, and Serial Number was overwritten in the CMC card flash.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084CF**Explanation:**

The Machine Type, Model, and Serial Number was overwritten in the CMC card flash with values from 1 midplane VPD chip.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084D0**Explanation:**

The Machine Type, Model, and Serial Number was overwritten in the CMC card flash with values from 1 midplane VPD chip.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084D1**Explanation:**

The Machine Type, Model, and Serial Number values cannot be determined.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

100084F0**Explanation:**

Failure reading I2C VPD

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100084F1**Explanation:**

FPGA Device is not supported in VPD

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100084F2**Explanation:**

VRM0 has errors in VPD

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100084F3**Explanation:**

VRM1 has errors in VPD

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100084F4**Explanation:**

Midplane has ECC errors or other bad VPD

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100084F5**Explanation:**

An I/O module has ECC errors or other bad VPD

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100084F6**Explanation:**

An I/O module has ECC errors or other bad VPD

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100084F7**Explanation:**

ECC errors or other bad VPD was detected.

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

100084F8**Explanation:**

Midplane redundant VPD has ECC errors or other bad VPD

Response:

The FRU callouts are calculated at the time of the failure. See the error log for the actual replacement strategy.

10008B00**Explanation:**

IO Bay 0 FPGA fail.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008B01**Explanation:**

IO Bay 1 FPGA fail.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008B10**Explanation:**

LX VPD Keyword missing from IO Bay 0.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008B11**Explanation:**

LX VPD Keyword missing from IO Bay 1.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008B20**Explanation:**

VINI VPD record is too large on IO Bay 0.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008B21**Explanation:**

VINI VPD record is too large on IO Bay 1.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008B30**Explanation:**

IO Bay 0 was removed with system powered on.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10008B31**Explanation:**

IO Bay 1 was removed with system powered on.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

10009002**Explanation:**

Received a bad return code

Response:

The power firmware has detected a condition that may require attention. Check error log for other errors that may have been reported at the same time as this condition was reported. If this SRC persists contact next level of support.

10009005**Explanation:**

Received a bad return code

Response:

The power firmware has detected a condition that may require attention. Check error log for other errors that may have been reported at the same time as this condition was reported. If this SRC persists contact next level of support.

10009006**Explanation:**

I/O Expansion Unit firmware download failed waiting for I/O Expansion Unit to be ready.

Response:

The power firmware has detected a condition that may require attention. Check error log for other errors that may have been reported at the same time as this condition was reported. If this SRC persists contact next level of support.

10009007**Explanation:**

Unable to obtain CEC VPD data.

Response:

The power firmware has detected a condition that may require attention. Check error log for other errors that may have been reported at the same time as this condition was reported. If this SRC persists contact next level of support.

10009012**Explanation:**

Address not valid.

Response:

LIC command had a frame address that was not valid. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)
- [LICCODE](#)

10009013**Explanation:**

Invalid Node Address.

Response:

The address in the command does not match the secondary nodes assigned address. Exchange the failing items for the system node reporting the error. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)
- [LICCODE](#)

10009014**Explanation:**

A command has an invalid address mode.

Response:

A command from the system unit specified a unit address of D or E or had a frame address of 00.

Exchange the failing items in the system unit. Follow the instructions for the items listed in the FRU List.

Failing Item

- [LICCODE](#)
- [TWRCARD](#)

10009015

Explanation:

An invalid rack command was encountered.

Response:

Informational message: The command is invalid for the addressed rack and has not been executed. This status is also returned if the address mode is not valid for the command. The information found in this error log entry may be used by product engineering to debug failures.

10009016

Explanation:

A command to an system node was rejected.

Response:

No action required. This reference code is logged for information only.

10009018

Explanation:

An invalid modifier was found in a command.

Response:

Informational message: This status is used by the slave, rack and CEC to identify invalid command modifier values in commands directed to the node. An APX command will be rejected by the CEC without transmission on the network if the modifier field contains an invalid address. The information found in this error log entry may be used by product engineering to debug failures.

10009019

Explanation:

An invalid command was encountered.

Response

Informational message: The command is not valid for transmission on the network. The following conditions are detected by the CEC node during hypervisor command processing. The command is rejected directly by the CEC node for the following reasons:

- The command from the hypervisor was not defined.
- The RPF or RPN command from the hypervisor specified R = 0. (Programming cannot power the system off via this mechanism).

- The LSP subset command (0x'1X') was not addressed to a specific node.
- The APX command was not addressed to RRRR=01-3FFF, UU=0.
- A QSX command was not addressed to RRRR=0, UU=D.

The information found in this error log entry may be used by product engineering to debug failures.

1000901A

Explanation:

An invalid command was encountered.

Response:

Informational message: The command is not valid for transmission on the network. The information found in this error log entry may be used by product engineering to debug failures.

1000901B

Explanation:

A CEC port addressing problem was found.

Response:

Informational message: This status is inserted by the primary rack on broadcast commands to identify the location of the CEC node. This response is returned to node specific commands addressed to the CEC node using the CEC physical RRRRUU value. The CEC cannot be addressed with this address. The information found in this error log entry may be used by product engineering to debug failures.

1000901C

Explanation:

An invalid data field was found in a command.

Response:

Informational message: The information found in this error log entry may be used by product engineering to debug failures.

10009021

Explanation:

A command to an system node was not processed due to the current system state..

Response:

No action required. This reference code is logged for information only.

10009022

Explanation:

Addressed Unit not in frame.

Response:

The addressed unit does not exist in the addressed frame. No action required. This reference code is logged for information only.

10009023**Explanation:**

Addressed Unit exists, but the frame is powered off.

Response:

The addressed unit is in a frame that is powered off. No action required. This reference code is logged for information only.

10009024**Explanation:**

I/O Expansion Unit Licensed Internal Code not valid.

Response:

The Licensed Internal Code in one of the secondary nodes is not valid. The code will be reloaded. No action required. This reference code is logged for error analysis only.

10009025**Explanation:**

I/O Expansion Unit Licensed Internal Code is not valid.

Response:

The Licensed Internal Code in one of the frames is not valid. The code will be reloaded. No action required. This reference code is logged for error analysis only.

10009028**Explanation:**

I/O Expansion Unit Licensed Internal Code is not valid.

Response:

The Licensed Internal Code in an I/O Expansion Unit is not valid. The code will be reloaded. No action required. This reference code is logged for error analysis only.

10009029**Explanation:**

System node VPD Damaged.

Response:

The VPD record in the EEPROM has bad data. This reference code is logged for error analysis only.

1000902D**Explanation:**

Addressed frame is not in system power configuration table.

Response:

The addressed frame is not in the system power configuration table. No action required. This reference code is logged for information only.

1000902F**Explanation:**

A command is already in progress.

Response:

A system power command is already in progress to the target system unit.. No action required. This reference code is logged for information only.

10009031**Explanation:**

Frame-to-Frame Communications Failure

Response:

The system detected an error on a transmission from another frame. The transmission is attempted again. No action required. This reference code is logged for error analysis only.

10009032**Explanation:**

System Communications Failure, unit to rack.

Response:

The frame detected an error on a transmission from a secondary node to the frame. The transmission is attempted again. No action required. This reference code is logged for error analysis only.

10009033**Explanation:**

System Communications Failure, rack to unit.

Response:

A secondary node detected an error on a transmission from the frame. The transmission is attempted again. No action required. This reference code is logged for error analysis only.

10009034**Explanation:**

Unsupported Packet Size

Response:

The receiving node detected a packet exceeding 70 bytes. The frame can also return this code if a secondary node returns more than 10 bytes to a PAS command. No action required. This reference code is logged for error analysis only.

10009035**Explanation:**

Secondary system node timeout.

Response:

A secondary system node did not respond to a command. The command was attempted again and failed. No action required. This reference code is logged for error analysis only.

10009036**Explanation:**

Frame Timeout

Response:

One or more frames did not respond to a command. The command is attempted again. No action required. This reference code is logged for error analysis only.

10009037

Explanation:

An internal CEC error prevented the execution of a command.

Response:

An internal CEC error has prevented the execution of a command. The command is attempted again. No action required. This reference code is logged for error analysis only.

10009038

Explanation:

An internal slave error prevented the execution of a command.

Response:

An internal slave error has prevented the execution of a command. The command is attempted again. No action required. This reference code is logged for error analysis only.

10009039

Explanation:

An internal rack error prevented the execution of a command.

Response:

An internal rack error has prevented the execution of a command. The command is attempted again. No action required. This reference code is logged for error analysis only.

1000903B

Explanation:

Invalid Packet Length for data sent.

Response:

The number of bytes sent or received does not match the number of bytes specified in the command. No action required. This reference code is logged for error analysis only.

10009041

Explanation:

Invalid Load Type

Response:

The I/O Expansion Unit firmware download was successful, but the wrong type of Licensed Internal Code was loaded. The operation was attempted again but was not successful.. Follow the instructions for the items listed in the FRU List.

Failing Item

- [LICCODE](#)
- [TWRCARD](#)

10009042

Explanation:

EEPROM Failure

Response:

The EEPROM in an system node cannot be written successfully. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)

10009043

Explanation:

Download Failure

Response:

The Licensed Internal Code download to an I/O Expansion Unit was completed but was not successful. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)

10009044

Explanation:

Download Failure due to invalid load size

Response:

The Licensed Internal Code download to an I/O Expansion Unit failed due to an invalid load size. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)

10009045

Explanation:

Download Failure due to invalid block size

Response:

The Licensed Internal Code download to an I/O Expansion Unit failed due to an invalid block size. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)

10009046**Explanation:**

QDS Packet Sequence Error

Response:

The Packet Sequence number is wrong. The download was stopped. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)

10009047**Explanation:**

QDS Block Sequence Error

Response:

The Block Sequence number is wrong. The download was stopped. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)

10009048**Explanation:**

The system ROS and EEPROM LIC is not compatible.

Response:

The LIC levels in the nodes ROS and EEPROM are not compatible. Exchange the failing items for the failing node. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)
- [LICCODE](#)

10009061**Explanation:**

The service communication path to an I/O Expansion Unit was not ready.

Response:

The service communication path to an I/O Expansion Unit was not ready. The command is attempted again. No action required. This reference code is logged for error analysis only.

10009062**Explanation:**

The service communication path to an I/O Expansion Unit was busy.

Response:

The service communication path to an I/O Expansion Unit was busy. The command is attempted again. No action required. This reference code is logged for error analysis only.

10009063**Explanation:**

The service communication path to an I/O Expansion Unit had a checksum failure.

Response:

The service communication path to an I/O Expansion Unit had a checksum failure. The command is attempted again. No action required. This reference code is logged for error analysis only.

10009064**Explanation:**

The service communication path to an I/O Expansion Unit encountered a device error.

Response:

The service communication path to an I/O Expansion Unit encountered a device error. The command is attempted again. No action required. This reference code is logged for error analysis only.

10009065**Explanation:**

The service communication path to an I/O Expansion Unit had a synchronization error.

Response:

The service communication path to an I/O Expansion Unit had a synchronization error. The command is attempted again. No action required. This reference code is logged for error analysis only.

10009066**Explanation:**

The service communication path to an I/O Expansion Unit had a synchronization error.

Response:

The service communication path to an I/O Expansion Unit had a synchronization error. The command is attempted again. No action required. This reference code is logged for error analysis only.

10009067**Explanation:**

The service communication path to an I/O Expansion Unit encountered a busy condition.

Response:

The service communication path to an I/O Expansion Unit encountered a busy condition. The command is attempted again. No action required. This reference code is logged for error analysis only.

10009080

Explanation:
Undefined Status Code

Response:
A system node returned an unknown status code. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)

10009088

Explanation:
A problem was found in the system power firmware.

Response:
Informational message: A problem was found in the system power firmware. The information found in this error log entry may be used by product engineering to debug failures.

100090F0

Explanation:
A frame was dropped from the system configuration.

Response:
A frame was dropped from the system configuration. This is usually caused by a loss of ac power or a problem with the frame-to-frame cables. Check for other B700xxxx serviceable events that may have been reported at the same time as this error was reported. Contact the next level of support if no other serviceable events are found or if this error persists after following the service procedures for these other events.

Failing Item

- [SVCDOCS](#)

100090F1

Explanation:
A frame was added to the system configuration.

Response:
No action required. This reference code is logged for information only.

100090F2

Explanation:
Slave disappeared

Response:
A slave was dropped from the system configuration. This is usually caused by a loss of ac power. If this SRC is logged during a concurrent maintenance operation, it is informational only and can be ignored.

100090F3

Explanation:
Slave reappeared

Response:
No action required. This reference code is logged for information only.

10009102

Explanation:
Assign Permanent Address command failure

Response:
A node failed to perform an Assign Permanent Address command. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)

10009104

Explanation:
Download Completion Timeout

Response:
A system node failed to leave the download state. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)

10009105

Explanation:
Load Damaged Timeout

Response:
A system node failed to enter the operational state. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)

10009106

Explanation:
An system firmware LID was not found.

Response:
No action required. This reference code is logged for information only.

10009109

Explanation:
Licensed Internal Code part number is not correct.

Response:

The AROS part number field was not updated to the correct level after the system attempted to load new Licensed Internal Code. Follow the instructions for the items listed in the FRU List.

Failing Item

- [TWRCARD](#)

1000910A

Explanation:

System firmware download required

Response:

No action required. This reference code is logged for information only.

1000910B

Explanation:

Maximum number of retries exceeded

Response:

No action required. This reference code is logged for information only.

10009111

Explanation:

The number of nodes in the system is too large for hypervisor.

Response:

There are more nodes in the network than the hypervisor can service. Go to System Configuration in ASMI . Under Configure I/O Enclosures select Clear Inactive Enclosures. If the error persists follow the instructions for the items listed in the FRU List.

Failing Item

- [LICCODE](#)

10009115

Explanation:

Command rejected by the firmware.

Response:

The service processor rejected a power subsystem command from the Licensed Internal Code. No action required. This reference code is logged for information only.

10009118

Explanation:

Hypervisor out of memory

Response:

Follow the instructions for the items listed in the FRU List.

Failing Item

- [LICCODE](#)

1000911B

Explanation:

System CEC node code failure

Response:

Follow the instructions for the items listed in the FRU List.

Failing Item

- [LICCODE](#)

1000911C

Explanation:

Two nodes have same VPD

Response:

Follow the instructions for the items listed in the FRU List.

Failing Item

- [VPDPART](#)

1000911D

Explanation:

System firmware download failure

Response:

No action required. This reference code is logged for information only.

1000911E

Explanation:

Temporary VPD written

Response:

Follow the instructions for the items listed in the FRU List.

Failing Item

- [PWRVPD](#)

10009120

Explanation:

Duplicate backplane VPD

Response:

Follow the instructions for the items listed in the FRU List.

Failing Item

- [SYSBKPL](#)

10009132

Explanation:

Node contains temporary VPD

Response:

No action required. This reference code is logged for information only.

10009133**Explanation:**

Bad PCI Correlation Problem

Response:

PCI bus not matched. If this is a serviceable event, check for other B700xxxx Serviceable Events that may have been reported at the same time as this error was reported. Contact the next level of support if no other serviceable events are found or if this error persists after following the service procedures for these other events. If this SRC is logged during a concurrent maintenance operation, it is informational only and can be ignored.

Failing Item

- [SVCDPCS](#)

10009134**Explanation:**

PCI bus VPD error

Response:

No action required. This reference code is logged for information only.

10009136**Explanation:**

A system firmware update for an I/O Expansion Unit was interrupted

Response:

No action is required. The firmware will automatically re-attempt to download the system firmware to the I/O Expansion Unit.

10009137**Explanation:**

Bad PCI Correlation Problem

Response:

System node not matched to PCI bus. If this is a serviceable event, check for other B700xxxx Serviceable Events that may have been reported at the same time as this error was reported. Contact the next level of support if no other serviceable events are found or if this error persists after following the service procedures for these other events. If this SRC is logged during a concurrent maintenance operation, it is informational only and can be ignored.

Failing Item

- [SVCDPCS](#)

10009138**Explanation:**

Bad location code detected in system firmware

Response:

The system has detected a bad location code or vital product data. If this is a serviceable event, check for other B700xxxx Serviceable Events that may have been reported at the same time as this error was reported. Contact the next level of support if no other serviceable events are found or if this error persists after following the service procedures for these other events. If this SRC is logged during a concurrent maintenance operation, it is informational only and can be ignored.

Failing Item

- [SVCDPCS](#)

1000913A**Explanation:**

System firmware download sent retry

Response:

No action required. This reference code is logged for information only.

1000913B**Explanation:**

An I/O Expansion Unit firmware download was prevented by the firmware update policy.

Response:

Follow the instructions for the items listed in the FRU List.

Failing Item

- [PWR1907](#)

1000913C**Explanation:**

Invalid I/O Expansion Unit Platform Error Log detected.

Response:

No action required. This reference code is logged for information only.

1000913D**Explanation:**

A PCI Correlation Problem has been corrected.

Response:

No action required. This reference code is logged for information only.

1000913E**Explanation:**

A PCI Correlation Problem has been corrected.

Response:

No action required. This reference code is logged for information only.

10009160**Explanation:**

VPD collection failed for I/O Expansion Unit.

Response:

No action required. Other B700xxxx errors will be logged as serviceable events for this problem. This reference code is logged for information only.

(1100) Reference codes

110000AC**Explanation:**

Detected AC loss

Response:

If system powers on normally or stays powered on after AC power failure, no replacement of parts may be needed. Follow the instructions for the items listed in the FRU List.

Problem determination

The system may have experienced an AC Power Loss external to the system such as utility or building power and the system may have recovered.

1. If there was a utility, building or room power loss that would have affected the system at the same time this SRC was reported then you can ignore and close this event. No service is required. Otherwise continue with the next step in this procedure.
2. Ensure the line cords are properly connected and seated on both ends. For help in locating the line cords of the power supply reporting this problem use the location code in the serviceable event or the symbolic FRU in the failing items list below.
3. If the system was just installed or moved, verify the AC input voltage is correct.
4. If the problem is not resolved then report this problem to your service provider.

Failing Item

- [ACMODUL](#)

110000AD

100091DE**Explanation:**

I/O Expansion Unit firmware download complete

Response:

No action required. This reference code is logged for information only.

1000CB15**Explanation:**

An PEROM error was detected.

Response:

If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

Explanation:

A reset of the service processor caused the system to power off.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [TWRCARD](#)

11001510**Explanation:**

Detected AC loss

Response:

Before replacing any parts, verify that the AC input voltage is correct. Follow the instructions for the items listed in the FRU List.

Problem determination

The system may have experienced an AC Power Loss external to the system such as utility or building power and the system may have recovered.

1. If there was a utility, building or room power loss that would have affected the system at the same time this SRC was reported then you can ignore and close this event. No service is required. Otherwise continue with the next step in this procedure.
2. Ensure the line cords are properly connected and seated on both ends. For help in locating the line cords of the power supply reporting this problem

use the location code in the serviceable event or the symbolic FRU in the failing items list below.

3. If the system was just installed or moved, verify the AC input voltage is correct.
4. If the problem is not resolved then report this problem to your service provider.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

11001511

Explanation:

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

11001512

Explanation:

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)
- [CBLALL](#)

11001513

Explanation:

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

11001514

Explanation:

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

11001515

Explanation:

A power supply mismatch was detected.

Response:

Before replacing any parts, verify that the AC input voltage is correct. Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100151E

Explanation:

The power supply fan on Un-E1 experienced a short stoppage, but recovered. The power supply should be replaced as soon as possible before the fan fails permanently.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

1100151F

Explanation:

The power supply fan on Un-E1 failed. The power supply should be replaced as soon as possible.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

11001520**Explanation:**

Detected AC loss

Response:

Before replacing any parts, verify that the AC input voltage is correct. Follow the instructions for the items listed in the FRU List.

Problem determination

The system may have experienced an AC Power Loss external to the system such as utility or building power and the system may have recovered.

1. If there was a utility, building or room power loss that would have affected the system at the same time this SRC was reported then you can ignore and close this event. No service is required. Otherwise continue with the next step in this procedure.
2. Ensure the line cords are properly connected and seated on both ends. For help in locating the line cords of the power supply reporting this problem use the location code in the serviceable event or the symbolic FRU in the failing items list below.
3. If the system was just installed or moved, verify the AC input voltage is correct.
4. If the problem is not resolved then report this problem to your service provider.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

11001521**Explanation:**

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

11001522**Explanation:**

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)
- [CBLALL](#)

11001523**Explanation:**

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

11001524**Explanation:**

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

1100152E**Explanation:**

The power supply fan on Un-E2 experienced a short stoppage, but recovered. The power supply should be replaced as soon as possible before the fan fails permanently.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

1100152F**Explanation:**

The power supply fan on Un-E2 failed. The power supply should be replaced as soon as possible.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

11001530**Explanation:**

Detected AC loss.

Response:

Before replacing any parts, verify that the AC input voltage is correct. Follow the instructions for the items listed in the FRU List.

Problem determination

The system may have experienced an AC Power Loss external to the system such as utility or building power and the system may have recovered.

1. If there was a utility, building or room power loss that would have affected the system at the same time this SRC was reported then you can ignore and close this event. No service is required. Otherwise continue with the next step in this procedure.
2. Ensure the line cords are properly connected and seated on both ends. For help in locating the line cords of the power supply reporting this problem use the location code in the serviceable event or the symbolic FRU in the failing items list below.
3. If the system was just installed or moved, verify the AC input voltage is correct.
4. If the problem is not resolved then report this problem to your service provider.

Failing Item

- [PWRSPPLY](#)

- [TWRCARD](#)

11001531**Explanation:**

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

11001532**Explanation:**

A power supply failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)
- [CBLALL](#)

11001533**Explanation:**

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

11001534**Explanation:**

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

1100153F

Explanation:

The power supply fan on Un-E3 failed. The power supply should be replaced as soon as possible.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

11001540

Explanation:

Detected AC loss

Response:

Before replacing any parts, verify that the AC input voltage is correct. Follow the instructions for the items listed in the FRU List.

Problem determination

The system may have experienced an AC Power Loss external to the system such as utility or building power and the system may have recovered.

1. If there was a utility, building or room power loss that would have affected the system at the same time this SRC was reported then you can ignore and close this event. No service is required. Otherwise continue with the next step in this procedure.
2. Ensure the line cords are properly connected and seated on both ends. For help in locating the line cords of the power supply reporting this problem use the location code in the serviceable event or the symbolic FRU in the failing items list below.
3. If the system was just installed or moved, verify the AC input voltage is correct.
4. If the problem is not resolved then report this problem to your service provider.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

11001541

Explanation:

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

11001542

Explanation:

A power supply failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)
- [CBLALL](#)

11001543

Explanation:

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPPLY](#)
- [TWRCARD](#)

11001544

Explanation:

A power supply failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)
- [CBLALL](#)

1100154F

Explanation:

The power supply fan on Un-E4 failed. The power supply should be replaced as soon as possible.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

11001611

Explanation:

Regulator 1 Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11001612

Explanation:

Regulator 1 Communication Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11001613

Explanation:

Regulator 1 Domain Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11001621

Explanation:

Regulator 2 Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11001622

Explanation:

Regulator 2 Communication Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11001623

Explanation:

Regulator 2 Domain Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11001631**Explanation:**

Regulator 3 Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11001632**Explanation:**

Regulator 3 Communication Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11001633**Explanation:**

Regulator 3 Domain Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

110016A0**Explanation:**

A system control drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

110016A1**Explanation:**

A system control drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

110016A2**Explanation:**

A system control drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

110016A3**Explanation:**

A system control drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

110016B0**Explanation:**

A CEC drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

110016B1

Explanation:

A CEC drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

110016B2

Explanation:

A CEC drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

110016B3

Explanation:

A CEC drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

110016F1

Explanation:

No power supplies detected in drawer number 1

Response

Perform the following in order:

- Check for system firmware updates; apply if available.
- Replace the primary service processor.
- Replace the backplane in the failing drawer.

- Replace all of the power supplies in the failing drawer.

Problem determination:

No additional problem determination.

110016F2

Explanation:

No power supplies detected in drawer number 2

Response

Perform the following in order:

- Check for system firmware updates; apply if available.
- Replace the primary service processor.
- Replace the backplane in the failing drawer.
- Replace all of the power supplies in the failing drawer.

Problem determination:

No additional problem determination.

110016F3

Explanation:

No power supplies detected in drawer number 3

Response

Perform the following in order:

- Check for system firmware updates; apply if available.
- Replace the primary service processor.
- Replace the backplane in the failing drawer.
- Replace all of the power supplies in the failing drawer.

Problem determination:

No additional problem determination.

110016F4

Explanation:

No power supplies detected in drawer number 4

Response

Perform the following in order:

- Check for system firmware updates; apply if available.
- Replace the primary service processor.
- Replace the backplane in the failing drawer.
- Replace all of the power supplies in the failing drawer.

Problem determination:

No additional problem determination.

11001B01**Explanation:**

Level 1 load fault (+12V)

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1900](#)

11001B02**Explanation:**

Load fault on the +5V bus

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1900](#)
- [TWRCARD](#)

11001B03**Explanation:**

Load fault on the +3.3V bus

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1900](#)
- [TWRCARD](#)

11001B05**Explanation:**

Load fault on the +1.8V bus

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1904](#)
- [TWRCARD](#)

11001B06**Explanation:**

Load fault on the +2.5V bus

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1904](#)
- [TWRCARD](#)

11001B0A**Explanation:**

Load Fault on the +12V/-12v bus

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1904](#)
- [TWRCARD](#)

11001B0F**Explanation:**

Load Fault on the +1.2V bus

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1904](#)
- [TWRCARD](#)

11001BFF**Explanation:**

A backplane short fault occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PGDPART](#)

11001C10**Explanation:**

Regulator Level 1 Load Fault (1.1A)

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1904](#)
- [TWRCARD](#)

11001C11**Explanation:**

Regulator Level 2 Load Fault (1.1B)

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1904](#)
- [TWRCARD](#)

11001C12**Explanation:**

Regulator Level 2 Load Fault (1.8)

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1904](#)
- [TWRCARD](#)

11001C13**Explanation:**

Regulator Level 2 Load Fault (1.2A)

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1904](#)
- [TWRCARD](#)

11001C14**Explanation:**

Regulator Level 2 Load Fault (1.25)

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1904](#)
- [TWRCARD](#)

11001C15**Explanation:**

Regulator Level 2 Load Fault (1.2B)

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1904](#)
- [TWRCARD](#)

11001D12**Explanation:**

I/O hub card 1 fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11001D13**Explanation:**

I/O hub card 2 fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11001D14

Explanation:

I/O hub card 3 fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11001D15

Explanation:

I/O hub card 4 fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11001D60

Explanation:

RIO adapter card 1 softswitch fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [SI_CARD](#)
- [TWRCARD](#)

11001D63

Explanation:

RIO adapter card 2 softswitch fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [SI_CARD](#)
- [TWRCARD](#)

11001D68

Explanation:

HEA adapter card 2 softswitch fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11001E00

Explanation:

An open device failed.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11001E01

Explanation:

A write device failed.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11001E03

Explanation:

A read device failed.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11001F00

Explanation:

An unexpected power fault occurred.

Response:

Contact your next level of support.

Problem determination:

No additional problem determination.

11001F01

Explanation:

TMS limit reached - log only

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11001F02**Explanation:**

SPCN trace information saved

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11001F03**Explanation:**

Invalid TMS or location code; log only.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11001F04**Explanation:**

A power good latched event; log only.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11001F05**Explanation:**

All power supplies reporting current out fault; log only.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11002500**Explanation:**

A power supply kill fault occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1900](#)
-

11002600**Explanation:**

Power Good Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PGDPART](#)
-

11002602**Explanation:**

Power Good Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
 - [TWRCARD](#)
-

11002603**Explanation:**

Power Good Fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PGDPART](#)
-

11002610**Explanation:**

A power signal failure has been detected

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [SYSBKPL](#)
 - [USBPGD](#)
-

11002611**Explanation:**

A power signal failure has been detected

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [SYSBKPL](#)

11002613

Explanation:

An input voltage type fault was detected.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)
- [SYSBKPL](#)

11002614

Explanation:

The power supplies are mismatched; one is ac, and one is dc.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

11002615

Explanation:

A power signal failure has been detected.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002620

Explanation:

A power-good fault was detected.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [SYSBKPL](#)

11002622

Explanation:

1.52V power-good input fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)

11002623

Explanation:

1.8V power-good input fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)

11002624

Explanation:

5.0V power-good input fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002625

Explanation:

3.3V power-good input fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)

11002626

Explanation:

2.5V power-good input fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)

11002627

Explanation:

GX slot 1 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002629

Explanation:

P_GOOD fault on the I/O backplane.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [SYSBKPL](#)

1100262A

Explanation:

GX slot 2 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100262B

Explanation:

P_GOOD fault on the I/O backplane.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [SYSBKPL](#)

1100262C

Explanation:

DASD 5V regulator P_GOOD fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)

1100262D

Explanation:

P_GOOD fault on the I/O backplane.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [SYSBKPL](#)

1100262E

Explanation:

P_GOOD fault on the I/O backplane.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [SYSBKPL](#)

1100262F

Explanation:

P_GOOD fault on the I/O backplane.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [SYSBKPL](#)

11002630

Explanation:

Processor 1 P7_VRM pgood fault (pluggable)

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002632

Explanation:

Processor 1 VRM2 array power-good fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [ANYPROC](#)
- [SYSBKPL](#)

11002633

Explanation:

Processor 1 1.2V VRM power-good fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [SYSBKPL](#)

11002634

Explanation:

Processor 1 1.8V VRM or processor 1 power-good fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [ANYPROC](#)
- [SYSBKPL](#)

11002635

Explanation:

VRM fault on the processor card.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)

11002636

Explanation:

VRM fault on the processor card.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)

1100263A

Explanation:

Memory card 1 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

Look for a 1100xxxx SRC that was logged before this SRC. If an SRC is found, resolve that SRC first. If the problem is not corrected, follow the instructions for the items listed in the FRU list for this SRC.

1100263B

Explanation:

Memory card 1 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100263C

Explanation:

Memory card 1 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002640

Explanation:

Processor 2 P7_VRM pgood fault (pluggable)

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002642

Explanation:

Processor 2 VRM2 array power-good fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [ANYPROC](#)
- [SYSBKPL](#)

11002643

Explanation:

Processor 2 1.8V VRM or processor 2 power-good fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [ANYPROC](#)
- [SYSBKPL](#)

11002645

Explanation:

VRM fault on the processor card.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)

1100264A

Explanation:

Memory card 2 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

Look for a 1100xxxx SRC that was logged before this SRC. If an SRC is found, resolve that SRC first. If the problem is not corrected, follow the instructions for the items listed in the FRU list for this SRC.

1100264B

Explanation:

Memory card 2 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100264C

Explanation:

Memory card 2 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002650

Explanation:

Processor 3 VRM 1A or 1B power-good fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [ANYPROC](#)
- [SYSBKPL](#)

11002652

Explanation:

Processor 3 VRM2 array power-good fault

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [ANYPROC](#)
- [SYSBKPL](#)

11002653

Explanation:

Processor 3 1.2V VRM power-good fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [SYSBKPL](#)

11002654

Explanation:

Processor 3 1.8V VRM or processor 3 power-good fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [ANYPROC](#)
- [SYSBKPL](#)

1100265A

Explanation:

Memory card 3 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

Look for a 1100xxxx SRC that was logged before this SRC. If an SRC is found, resolve that SRC first. If the problem is not corrected, follow the instructions for the items listed in the FRU list for this SRC.

1100265B

Explanation:

Memory card 3 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100265C

Explanation:

Memory card 3 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002660

Explanation:

Processor 4 VRM 1A or 1B power-good fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [ANYPROC](#)
- [SYSBKPL](#)

11002662

Explanation:

Processor 4 VRM2 array power-good fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [ANYPROC](#)
- [SYSBKPL](#)

11002663

Explanation:

Processor 4 1.2V VRM power-good fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [SYSBKPL](#)

11002664

Explanation:

Processor 4 1.8V VRM failed or processor 4 power-good fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [ANYPROC](#)
- [SYSBKPL](#)

1100266A

Explanation:

Memory card 4 pgood fault.

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

Look for a 1100xxxx SRC that was logged before this SRC. If an SRC is found, resolve that SRC first. If the problem is not corrected, follow the instructions for the items listed in the FRU list for this SRC.

1100266B

Explanation:

Memory card 4 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100266C

Explanation:

Memory card 4 pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002690

Explanation:

Processor 1 and 2 VDDA pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002691

Explanation:

Processor 1 and 2 VSN pgood fault.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)

110026A0

Explanation:

A 12Vcs power good failure occurred on the system control drawer connection card.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

110026A1

Explanation:

A 12Vcs power good failure occurred on the system control drawer connection card.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

110026A2

Explanation:

A 12Vcs power good failure occurred on the system control drawer connection card.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

110026A3

Explanation:

A 12Vcs power good failure occurred on the system control drawer connection card.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

110026B0

Explanation:

A 12V power good failure occurred on the system control drawer connection card.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

110026B1

Explanation:

A 12V power good failure occurred on the system control drawer connection card.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

110026B2

Explanation:

A 12V power good failure occurred on the system control drawer connection card.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

110026B3

Explanation:

A 12V power good failure occurred on the system control drawer connection card.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

11002700

Explanation:

A voltage regulator module (VRM) fault has occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002701

Explanation:

Informational monitoring event in the power subsystem. No service is required.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002702**Explanation:**

VRM fault on the DASD backplane. DASD backplane replacement is required.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002703**Explanation:**

Informational monitoring event in the power subsystem. No service is required.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002704**Explanation:**

VRM fault on the I/O backplane.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002705**Explanation:**

Informational monitoring event in the power subsystem. No service is required.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11002800**Explanation:**

The system was automatically shut down because the top cover was removed.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [LDSWTCH](#)

11002B00**Explanation:**

Voltage regulator module (VRM) telemetry.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [LDSWTCH](#)

11003100**Explanation:**

Service processor I2C failure

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [I2CBUS](#)
- [TWRCARD](#)

11003105**Explanation:**

Service processor I2C failure.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [TWRCARD](#)

11003114**Explanation:**

Service processor I2C failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [I2CBUS](#)
 - [SYSBKPL](#)
 - [TWRCARD](#)
-

11003116**Explanation:**

I2C failure: blower control chip

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [SYSBKPL](#)
-

11003120**Explanation:**

VRM failure

Response:

Follow the instructions for the items listed in the FRU list in the error log entry.

Problem determination:

No additional problem determination.

11004201**Explanation:**

UPS reported: utility failure signal is on

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11004203**Explanation:**

UPS reported: battery low signal is on

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11004600**Explanation:**

UPS interface failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [UPSUNIT](#)
 - [TWRCARD](#)
-

11004601**Explanation:**

UPS interface failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [UPSUNIT](#)
 - [TWRCARD](#)
-

11005000**Explanation:**

Service processor fail over failed due to configuration mismatch

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [TWRCARD](#)
-

11005001**Explanation:**

Service processor fail over failed due to configuration mismatch

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [TWRCARD](#)
-

11005010

Explanation:

SPCN ports not present. mismatch

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

11007110**Explanation:**

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

11007120**Explanation:**

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

11007130**Explanation:**

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

- [TWRCARD](#)

11007140**Explanation:**

Power supply failure

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

11007200**Explanation:**

The system is located at an altitude greater than 4000 meters (13,120 feet). This is outside the range of the system specifications.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [ALTITUDE](#)

11007201**Explanation:**

Ambient temperature is out of range

Response:

Follow the procedure for the items listed in the FRU List.

Problem determination

1. Verify that adequate cooling exists in the system's environment.
2. If there was a cooling failure at about the same time these SRCs were logged, these errors can be ignored and closed. Otherwise continue with the next step in this procedure.
3. Verify that the air temperature around the system's intakes, including exhaust air blowing at the system from nearby equipment, is within the system's environmental limits.
4. If the above steps did not resolve the problem then report the problem to your service provider.

Failing Item

- [AMBTEMP](#)

11007202

Explanation:

Ambient temperature is back in range

Response:

Follow the procedure for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AMBBACK](#)

11007203

Explanation:

Ambient temperature exceeded limit

Response:

The system will shut down in 15 minutes. Follow the instructions for the items listed in the FRU List.

Problem determination

1. Verify that adequate cooling exists in the system's environment.
2. If there was a cooling failure at about the same time these SRCs were logged, these errors can be ignored and closed. Otherwise continue with the next step in this procedure.
3. Verify that the air temperature around the system's intakes, including exhaust air blowing at the system from nearby equipment, is within the system's environmental limits.
4. If the above steps did not resolve the problem then report the problem to your service provider.

Failing Item

- [AMBTEMP](#)

11007204

Explanation:

Ambient temperature is back in range

Response:

Follow the procedure for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AMBBACK](#)

11007205

Explanation:

Ambient temperature exceeded limit

Response:

The system will shut down in 20 seconds. Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [AMBTEMP](#)

11007207

Explanation:

Ambient temperature has dropped below the low temperature limit.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AMBTEMP](#)

11007210

Explanation:

The system is located at an altitude that is outside the range of the system performance specification.

Response:

The system is located at an altitude that is not within the range of the system specification.

Problem determination:

No additional problem determination.

Failing Item

- [ALTITUDE](#)

11007211

Explanation:

Ambient temperature is out of range

Response:

Ambient temperature is above nominal for CPU performance. Follow the instructions for the items listed in the FRU List.

Problem determination

1. Verify that adequate cooling exists in the system's environment.
2. If there was a cooling failure at about the same time these SRCs were logged, these errors can be ignored and closed. Otherwise continue with the next step in this procedure.
3. Verify that the air temperature around the system's intakes, including exhaust air blowing at the system from nearby equipment, is within the system's environmental limits.
4. If the above steps did not resolve the problem then report the problem to your service provider.

Failing Item

- [AMBTMP1](#)

11007212

Explanation:

Ambient temperature is back in range

Response:

Ambient temperature has returned to nominal.

Problem determination:

No additional problem determination.

Failing Item

- [AMBTMP2](#)

11007220

Explanation:

The system is located at an altitude that is outside the range of the system performance specification, and the thermal/power management firmware may reduce performance in heavy workload situations.

Response:

The system is located at an altitude that is within the range of the system specification, but the thermal/power management firmware may reduce performance due to the altitude.

Problem determination:

No additional problem determination.

Failing Item

- [ALTPERF](#)

11007221

Explanation:

The ambient temperature is outside the range of the system performance specification, and the thermal/power management firmware may reduce performance in heavy workload situations.

Response:

The ambient temperature is outside the range of the system performance specification, and the thermal/power management firmware may reduce performance in heavy workload situations.

Problem determination

1. Verify that adequate cooling exists in the system's environment.
2. If there was a cooling failure at about the same time these SRCs were logged, these errors can be ignored and closed. Otherwise continue with the next step in this procedure.
3. Verify that the air temperature around the system's intakes, including exhaust air blowing at the system from nearby equipment, is within the system's environmental limits.
4. If the above steps did not resolve the problem then report the problem to your service provider.

Failing Item

- [AMBPERF](#)

11007222

Explanation:

The ambient temperature is back in range.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11007230

Explanation:

The ambient temperature is out of range.

Response:

No action required. This reference code is logged for information only.

Problem determination

1. Verify that adequate cooling exists in the system's environment.
2. If there was a cooling failure at about the same time these SRCs were logged, these errors can be ignored and closed. Otherwise continue with the next step in this procedure.
3. Verify that the air temperature around the system's intakes, including exhaust air blowing at the system from nearby equipment, is within the system's environmental limits.

4. If the above steps did not resolve the problem then report the problem to your service provider.

11007231**Explanation:**

The ambient temperature is out of range.

Response:

No action required. This reference code is logged for information only.

Problem determination

1. Verify that adequate cooling exists in the system's environment.
2. If there was a cooling failure at about the same time these SRCs were logged, these errors can be ignored and closed. Otherwise continue with the next step in this procedure.
3. Verify that the air temperature around the system's intakes, including exhaust air blowing at the system from nearby equipment, is within the system's environmental limits.
4. If the above steps did not resolve the problem then report the problem to your service provider.

11007232**Explanation:**

The ambient temperature is out of range.

Response:

No action required. This reference code is logged for information only.

Problem determination

1. Verify that adequate cooling exists in the system's environment.
2. If there was a cooling failure at about the same time these SRCs were logged, these errors can be ignored and closed. Otherwise continue with the next step in this procedure.
3. Verify that the air temperature around the system's intakes, including exhaust air blowing at the system from nearby equipment, is within the system's environmental limits.
4. If the above steps did not resolve the problem then report the problem to your service provider.

11007401**Explanation:**

A drawer is missing power.

Failing Item

- [DRWRPWR](#)

11007402**Explanation:**

A drawer is missing power.

Failing Item

- [DRWRPWR](#)

11007403**Explanation:**

A drawer is missing power.

Failing Item

- [DRWRPWR](#)

11007404**Explanation:**

A drawer is missing power.

Failing Item

- [DRWRPWR](#)

11007411**Explanation:**

The drawer latched detected a power loss forcing the service processor to reset.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11007412**Explanation:**

The drawer latched detected a power loss forcing the service processor to reset.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11007413**Explanation:**

The drawer latched detected a power loss forcing the service processor to reset.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11007414**Explanation:**

The drawer latched detected a power loss forcing the service processor to reset.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11007610**Explanation:**

Fan fault

Response:

The fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007611**Explanation:**

Fan missing error

Response:

A problem was detected with a fan which can be caused by a fan not being installed. Install fan if missing, replace if already installed. Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007620**Explanation:**

Fan fault

Response:

The fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)

- [TWRCARD](#)

11007621**Explanation:**

Fan missing error

Response:

A problem was detected with a fan which can be caused by a fan not being installed. Install fan if missing, replace if already installed. Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007630**Explanation:**

A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007631**Explanation:**

A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007640**Explanation:**

A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007641

Explanation:

A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007650

Explanation:

A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007651

Explanation:

A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007660

Explanation:

A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007661

Explanation:

A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007670

Explanation:

A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007671

Explanation:

A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007680

Explanation:

A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007681

Explanation:

A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007690

Explanation:

A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

11007691

Explanation:

A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

110076A0

Explanation:

A problem was detected with a fan. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

110076A1

Explanation:

A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

110076B0**Explanation:**

A problem was detected with a fan. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

110076B1**Explanation:**

A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AIRMOVR](#)
- [TWRCARD](#)

110076C0**Explanation:**

Fan fault on a GX++ adapter card

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

110076C1**Explanation:**

Fan fault on a GX++ adapter card

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11008400**Explanation:**

No VPD was found due to invalid bypass

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [AJDG301](#)

11008402**Explanation:**

Unable to collect VPD

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)
- [TWRCARD](#)

11008404**Explanation:**

Processor unit VPD mismatch

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)
- [TWRCARD](#)

11008405**Explanation:**

Processor unit VPD mismatch

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)
- [TWRCARD](#)

11008406**Explanation:**

Processor unit VPD mismatch

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)
- [TWRCARD](#)

11008409**Explanation:**

No processor installed

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)
- [TWRCARD](#)

11008413**Explanation:**

Invalid processor VPD

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)
- [TWRCARD](#)

11008414**Explanation:**

Invalid processor VPD

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)
- [TWRCARD](#)

11008415**Explanation:**

Invalid processor 3 VPD

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [ANYPROC](#)

11008416**Explanation:**

Invalid processor 4 VPD

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [ANYPROC](#)

11008423**Explanation:**

No processor VPD

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)

- [TWRCARD](#)

11008424**Explanation:**

No processor VPD

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)
- [TWRCARD](#)

11008430**Explanation:**

The configuration ID is incorrect.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [IDPART](#)

11008432**Explanation:**

The configuration ID is incorrect.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [IDPART](#)

11008442**Explanation:**

An attempt was made to enable TurboMode, but one or more processor cards in the system is not TurboMode-capable.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)

11008443**Explanation:**

A drawer was added to a system that has TurboMode enabled, but the newly-added drawer is not TurboMode-capable.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)

11008444**Explanation:**

A TurboMode register failed.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)

11008450**Explanation:**

SPCN configuration mismatch

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11008451**Explanation:**

SPCN configuration mismatch

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11008452

Explanation:

Wrong power supply installed.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

11008453

Explanation:

There is an extra processor voltage regulator in the system.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11008454

Explanation:

A fan is installed at location Un-A3 in a single-socket system. This configuration is not valid.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)
- [TWRCARD](#)

11008455

Explanation:

Power supply missing

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

11008456

Explanation:

Power supply missing

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)
- [TWRCARD](#)

11008457

Explanation:

A power supply is missing or incompatible.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

11008458

Explanation:

A power supply is missing or incompatible.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [PWRSPLY](#)

11008460

Explanation:

All PWR nodes guarded

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

11008480**Explanation:**

The DIMM or DIMM controller ID data is missing or corrupt.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

110084A1**Explanation:**

Invalid power distribution backplane VPD

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)

110084A2**Explanation:**

Power distribution backplane mismatch

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)
- [TWRCARD](#)

110084A3**Explanation:**

Invalid service processor card VPD

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)
- [TWRCARD](#)

110084A4**Explanation:**

Service processor card mismatch.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [VPDPART](#)
- [TWRCARD](#)

110084B0**Explanation:**

An error occurred during drawer recovery.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

11008700**Explanation:**

An error on the path validation occurred.

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [PWR2402](#)

11008701**Explanation:**

An error on the path validation occurred.

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [PWR2402](#)

11008702**Explanation:**

An error on the path validation occurred.

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [PWR2402](#)

11008703**Explanation:**

An error on the path validation occurred.

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [PWR2402](#)

11008704**Explanation:**

A pin state mis-match, normal presence detected.

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

Failing Item

- [PWR2402](#)

11008710**Explanation:**

DCA 1 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

11008711**Explanation:**

DCA 2 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

11008712**Explanation:**

DCA 3 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

11008713**Explanation:**

DCA 4 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

11008714**Explanation:**

DCA 5 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

11008715**Explanation:**

DCA 6 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

11008716**Explanation:**

DCA 7 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

11008717

Explanation:

DCA 8 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

11008718

Explanation:

DCA 10 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

1100871A

Explanation:

DCA 11 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

1100871B

Explanation:

DCA 12 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

1100871C

Explanation:

DCA 13 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

1100871D

Explanation:

DCA 14 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

1100871E

Explanation:

DCA 15 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

1100871F

Explanation:

DCA 16 UART communication fault

Response:

Follow the instructions for the items listed in the FRU list.

Problem determination:

No additional problem determination.

11008800

Explanation:

A UPIC cable to the system control drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

11008801

Explanation:

A UPIC cable to the system control drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

11008802**Explanation:**

A UPIC cable to the system control drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

11008803**Explanation:**

A UPIC cable to the system control drawer connection card is missing.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [CBLALL](#)

1100A000**Explanation:**

A def file read failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100A010**Explanation:**

Unable to determine the voltage regulator module (VRM) XML filename.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100A011**Explanation:**

A voltage regulator module (VRM) XML parser error.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100A012**Explanation:**

An internal error occurred during a voltage regulator module (VRM) XML action.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B000**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B001**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B002**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B003

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B004

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B005

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B006

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B007

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B008

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B009

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B00A

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B00B

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B00C

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B00D

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B00E

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B00F

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B080

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B081

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B082

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B084

Explanation:

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B085**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B086**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B087**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B088**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B089**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B08A**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B08B**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B08C**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B08D**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B08E**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B08F**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B0FF**Explanation:**

Enable mismatch on the power supply.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B100

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B101

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B102

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B103

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B104

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B105

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B106

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B107

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B108

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B109

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B10A

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B10B

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B10C

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B10D

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B10E

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B10F

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B110

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B111

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B112

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B113

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B114

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B115

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B116

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B117

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B118

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B119

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B120

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B121

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B122

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B123

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B124

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B125

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B126

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B127

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B128

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B129

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B12A

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B12B

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B12C

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B12D

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B12E

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B12F

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B130

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B131

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B132

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B133

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B134

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B135

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B136

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B137

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B180

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B181

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B182

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B183

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B184

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B185

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B186

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B187

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B188

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B189

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B18A

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B18B

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B18C

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B18D

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B18E

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B18F

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B190

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B191

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B192

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B193

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B194

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B195

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B196

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B197

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B198

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B199

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B19A

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B19B

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B19C

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B19D

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B19E

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B19F

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1A0

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1A1

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1A2

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1A3

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1A4

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1A5

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1A6

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1A7

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1A8

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1A9

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1AA

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1AB

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1AC

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1AD

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1AE

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1AF

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1B0

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1B1

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1B2

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1B3

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1B4

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1B5

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1B6

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1B7

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B1FF

Explanation:

Enable mismatch on voltage regulator module (VRM).

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100B200

Explanation:

Enable mismatch on VRM.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100B300

Explanation:

Enable mismatch on VRM.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100C000

Explanation:

A thermal object creation failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100C001

Explanation:

A fan creation failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100C002

Explanation:

A cooling zone creation failed.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

Failing Item

- [FSPSP04](#)

1100D000**Explanation:**

A digital power system sweep (DPSS) power sequencing logic failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D001**Explanation:**

A digital power system sweep (DPSS) primary power on sequence failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D002**Explanation:**

A digital power system sweep (DPSS) primary power on sequence timeout occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D003**Explanation:**

A digital power system sweep (DPSS) secondary power on sequence failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D004**Explanation:**

A digital power system sweep (DPSS) secondary power on sequence timeout occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D005**Explanation:**

A digital power system sweep (DPSS) secondary power off sequence failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D006**Explanation:**

A digital power system sweep (DPSS) secondary power off sequence timeout occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D007**Explanation:**

A digital power system sweep (DPSS) power off sequence failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D008**Explanation:**

A digital power system sweep (DPSS) power off sequence timeout occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D009**Explanation:**

A digital power system sweep (DPSS) access failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D00A**Explanation:**

A digital power system sweep (DPSS) read failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D00B**Explanation:**

A digital power system sweep (DPSS) write failure occurred.

Response:

Follow the instructions for the items listed in the FRU List.

Problem determination:

No additional problem determination.

1100D00C**Explanation:**

A digital power system sweep (DPSS) code corruption was detected.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

1100D00D**Explanation:**

A digital power system sweep (DPSS) PGOOD fault agreement failure occurred.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

1100D00E**Explanation:**

A digital power system sweep (DPSS) is missing.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

1100D01E**Explanation:**

A digital power system sweep (DPSS) is missing.

Response:

No action required. This reference code is logged for information only.

Problem determination:

No additional problem determination.

Failing Item

- [PWR1918](#)

(169C) Reference codes

169C102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

169C3002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

169C3010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

169C3020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

169C3029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

169C3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

169C3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

169C310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

169C310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

169C3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

169C3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

169C34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

169C4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

169C4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

169C4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

169C4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
 - [SASCABL](#)
 - [SASEXP](#)
 - [DEVBPLN](#)
 - [STORIOA](#)
 - [DISKDRV](#)
-

169C7000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

169C7001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
-

169C70DD**Explanation:**

System log entry only, no service action required.

169CFFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)
-

169CFFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
 - [STORIOA](#)
-

169CFFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
-

169CFFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
-

169CFFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
-

169CFFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

169CFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

169CFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

169CFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

(1750) Reference codes

17503002

Explanation:

Addressed device is not responding.

Failing Item

- [FCPORT](#)
- [FCDEV](#)
- [FCIOA](#)
- [FCINTF](#)
- [OPT_CLN](#)

17503010

Explanation:

Disk device returned wrong response to IOP.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

169CFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

169CFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

17503020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

17503029

Explanation:

This SRC is surfaced when the IOP detects that a device has changed Serial numbers. A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

17503100

Explanation:

Fibre Channel interface error occurred.

Failing Item

- [FCINTF](#)
- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

17503109

Explanation:

IOP timed out a disk command.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [FCIOA](#)
- [OPT_CLN](#)

17503160

Explanation:

The volume in use is no longer accessible.

Response:

The storage subsystem configuration was changed, causing the volume in use to no longer be accessible.

Failing Item

- [FCDEV](#)

17503161

Explanation:

The volume in use is no longer accessible.

Response:

Storage subsystem copy services functions have caused the volume in use to no longer be accessible.

Failing Item

- [FCDEV](#)

17503162

Explanation

The volume has been released.

The storage subsystem configuration was changed. The volume that was not in use was removed and is no longer accessible.

Response

No action required. This reference code is logged for information only.

175034FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

1750FFF3

Explanation:

Disk media format bad.

Failing Item

- [FCDEV](#)

1750FFF4

Explanation:

Disk device problem.

Failing Item

- [FCDEV](#)

1750FFF5

Explanation:

Disk sector read error.

Failing Item

- [FCDEV](#)

1750FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [FCDEV](#)

1750FFFA

Explanation:

Disk device wrong response was recovered by the IOP.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [FCDEV](#)

(198B) Reference codes

198B102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

198B3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

198B3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [FCIOA](#)
- [OPT_CLN](#)

1750FFFE

Explanation:

Temporary Fibre Channel interface error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [FCINTF](#)
- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

-
- [SASCABL](#)

- [SASEXP](#)

198B3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

198B3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

198B3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198B3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198B310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198B310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198B3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198B3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

198B34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

198B4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

198B4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

198B4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

198B4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)

- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

198B7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

198B7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198B70DD

Explanation:

System log entry only, no service action required.

198BFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

198BFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

198BFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198BFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198BFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198BFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198BFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198BFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

198BFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198BFFFD

(198C) Reference codes

198C102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

198C3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

198C3010

Explanation:

Disk device returned wrong response to IOA.

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198BFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198C3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

198C3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

198C3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198C3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198C310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198C310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198C3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

198C3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

198C34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

198C4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

198C4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

198C4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

198C4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
 - [SASCABL](#)
 - [SASEXP](#)
 - [DEVBPLN](#)
 - [STORIOA](#)
 - [DISKDRV](#)
-

198C7000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

198C7001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
-

198C70DD**Explanation:**

System log entry only, no service action required.

198CFFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)
-

198CFFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
-

198CFFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
-

198CFFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
-

198CFFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
-

198CFFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
-

198CFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198CFFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

198CFFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

(198D) Reference codes

198D102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

198D3002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)

- [DISKDRV](#)

- [STORIOA](#)

198CFFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198CFFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

- [SASCABL](#)

- [SASEXP](#)

198D3010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198D3020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

198D3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

198D3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198D3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198D310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198D310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198D3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198D3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

198D34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

198D4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

198D4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

198D4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

198D4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

198D7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

198D7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198D70DD

Explanation:

System log entry only, no service action required.

198DFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

198DFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

198DFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198DFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198DFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198DFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198DFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198DFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

198DFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198DFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198DFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(198E) Reference codes

198E102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

198E3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

198E3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198E3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

198E3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

198E3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198E3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198E310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198E310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198E3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198E3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

198E34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

198E4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

198E4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

198E4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

198E4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

198E7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

198E7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198E70DD

Explanation:

System log entry only, no service action required.

198EFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

198EFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

198EFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198EFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198EFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198EFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

198EFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

198EFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

(19A1) Reference codes

19A1102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

198EFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198EFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

198EFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

19A13002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

19A13010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A13020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

19A13029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

19A13100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A13109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A1310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19A1310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19A13110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A13130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

19A134FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

19A14041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

19A14060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

19A14061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

19A14100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

19A17000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

19A17001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A170DD**Explanation:**

System log entry only, no service action required.

19A1FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

19A1FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

19A1FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A1FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A1FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A1FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A1FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A1FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

19A1FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19A1FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19A1FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(19A3) Reference codes

19A3102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

19A33002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

19A33010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A33020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

19A33029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

19A33100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

19A33109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A3310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19A3310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19A33110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A33130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

19A334FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

19A34041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

19A34060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

19A34061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

19A34100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)

- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

19A37000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

19A37001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A370DD

Explanation:

System log entry only, no service action required.

19A3FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

19A3FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

19A3FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A3FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A3FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A3FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A3FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

19A3FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

19A3FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

19A3FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

19A3FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(19A4) Reference codes

19A4102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

19A43002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

19A43010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A43020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

19A43029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

19A43100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A43109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A4310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19A4310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19A43110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A43130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

19A434FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

19A44041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

19A44060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

19A44061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

19A44100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

19A47000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

19A47001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A470DD**Explanation:**

System log entry only, no service action required.

19A4FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

19A4FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

19A4FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A4FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A4FFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A4FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19A4FFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19A4FFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

19A4FFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19A4FFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19A4FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

(19B0) Reference codes

19B0102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

19B03002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

19B03010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B03020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

19B03029

Explanation:

A device replacement has occurred.

Response**Failing Item**

- [SIP3150](#)

No action required. This reference code is logged for information only.

19B03100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B03109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B0310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B0310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B03110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B03130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

19B034FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

19B04041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

19B04060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

19B04061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

19B04100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

19B07000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

19B07001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B070DD

Explanation:

System log entry only, no service action required.

19B0FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

19B0FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

19B0FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B0FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B0FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B0FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B0FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B0FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

19B0FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B0FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

19B0FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(19B1) Reference codes

19B1102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

19B13002

Explanation:

Addressed device failed to respond to selection.

19B13100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B13010

Explanation:

Disk device returned wrong response to IOA.

19B13109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B13020

Explanation:

Replacement device is not supported.

19B1310C

Explanation:

Device bus error.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B13029

Explanation:

19B1310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B13110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B13130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

19B134FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

19B14041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

19B14060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

19B14061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

19B14100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

19B17000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

19B17001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B170DD

Explanation:

System log entry only, no service action required.

19B1FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

19B1FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

19B1FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B1FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B1FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B1FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B1FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B1FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

19B1FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B1FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B1FFFE

(19B3) Reference codes

19B3102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

19B33002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

19B33010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B33020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

- [SASCABL](#)

19B33029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

19B33100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B33109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B3310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

19B3310D

Explanation:
Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B33110

Explanation:
Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B33130

Explanation:
Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

19B334FF

Explanation:
Format in progress.

Response:
No action required. This reference code is logged for information only.

19B34041

Explanation:
Incomplete multipath connection.

Response:
Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

19B34060

Explanation:
Multipath redundancy level reduced.

Response:
A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

19B34061

Explanation:
Multipath redundancy level increased.

Response:
A redundant disk unit connection has been restored. No service action is required.

19B34100

Explanation:
Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

19B37000

Explanation:
Disk sector read error.

Response

No action required. This reference code is logged for information only.

19B37001

Explanation:
Temporary disk data error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B370DD

Explanation:

System log entry only, no service action required.

19B3FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

19B3FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

19B3FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B3FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B3FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B3FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B3FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B3FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

19B3FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B3FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

(19B4) Reference codes

19B4102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

19B43002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

19B43010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B43020

- [DISKDRV](#)
- [STORIOA](#)

19B3FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

19B43029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

19B43100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B43109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B4310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B4310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B43110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B43130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

19B434FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

19B44041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

19B44060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

19B44061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

19B44100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

19B47000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

19B47001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B470DD

Explanation:

System log entry only, no service action required.

19B4FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

19B4FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

19B4FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B4FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B4FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B4FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B4FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B4FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

19B4FFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B4FFFD**Explanation:**

Soft device bus error.

Response:

(19B5) Reference codes

19B5102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

19B53002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

19B53010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B4FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

19B53020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

19B53029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

19B53100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B53109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B5310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B5310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B53110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B53130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

19B534FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

19B54041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

19B54060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

19B54061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

19B54100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)

- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

19B57000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

19B57001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B570DD

Explanation:

System log entry only, no service action required.

19B5FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

19B5FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

19B5FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B5FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B5FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B5FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B5FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B5FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

19B5FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)

(19B7) Reference codes

19B7102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

19B73002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

19B73010

- [STORIOA](#)

19B5FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B5FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B73020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

19B73029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

19B73100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B73109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B7310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B7310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B73110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B73130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

19B734FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

19B74041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

19B74060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

19B74061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

19B74100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

19B77000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

19B77001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B770DD**Explanation:**

System log entry only, no service action required.

19B7FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

19B7FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

19B7FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B7FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B7FFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B7FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

19B7FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

19B7FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

19B7FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

(2058) Reference codes

2058B990

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [FI00130](#)
- [IOP](#)
- [MA_BRDG](#)

(2105) Reference codes

21053002

Explanation:

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B7FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

19B7FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Addressed device is not responding.

Failing Item

- [FCPORT](#)
- [FCDEV](#)
- [FCIOA](#)
- [FCINTF](#)
- [OPT_CLN](#)

21053010

Explanation:

Disk device returned wrong response to IOP.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

21053020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

21053029

Explanation:

This SRC is surfaced when the IOP detects that a device has changed Serial numbers. A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

21053100

Explanation:

Fibre Channel interface error occurred.

Failing Item

- [FCINTF](#)
- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

21053109

Explanation:

IOP timed out a disk command.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [FCIOA](#)
- [OPT_CLN](#)

21053160

Explanation:

The volume in use is no longer accessible.

Response:

The storage subsystem configuration was changed, causing the volume in use to no longer be accessible.

Failing Item

- [FCDEV](#)

21053161

Explanation:

The volume in use is no longer accessible.

Response:

Storage subsystem copy services functions have caused the volume in use to no longer be accessible.

Failing Item

- [FCDEV](#)

21053162

Explanation

The volume has been released.

The storage subsystem configuration was changed. The volume that was not in use was removed and is no longer accessible.

Response

No action required. This reference code is logged for information only.

210534FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable.

No action is required. This reference code is logged for information only.

2105FFF3**Explanation:**

Disk media format bad.

Failing Item

- [FCDEV](#)

2105FFF4**Explanation:**

Disk device problem.

Failing Item

- [FCDEV](#)

2105FFF5**Explanation:**

Disk sector read error.

Failing Item

- [FCDEV](#)

2105FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

(2107) Reference codes

21073002**Explanation:**

Addressed device is not responding.

Failing Item

- [FCPORT](#)
- [FCDEV](#)
- [FCIOA](#)
- [FCINTF](#)
- [OPT_CLN](#)

21073010**Explanation:**

Disk device returned wrong response to IOP.

Failing Item

- [FCDEV](#)

2105FFFA**Explanation:**

Disk device wrong response was recovered by the IOP.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

2105FFFE**Explanation:**

Temporary Fibre Channel interface error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [FCINTF](#)
- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

21073020**Explanation:**

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [FCDEV](#)

- [FCIOA](#)
- [OPT_CLN](#)

21073029

Explanation:

This SRC is surfaced when the IOP detects that a device has changed Serial numbers. A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

21073100

Explanation:

Fibre Channel interface error occurred.

Failing Item

- [FCINTF](#)
- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

21073109

Explanation:

IOP timed out a disk command.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [FCIOA](#)
- [OPT_CLN](#)

21073160

Explanation:

The volume in use is no longer accessible.

Response:

The storage subsystem configuration was changed, causing the volume in use to no longer be accessible.

Failing Item

- [FCDEV](#)

21073161

Explanation:

The volume in use is no longer accessible.

Response:

Storage subsystem copy services functions have caused the volume in use to no longer be accessible.

Failing Item

- [FCDEV](#)

21073162

Explanation

The volume has been released.

The storage subsystem configuration was changed. The volume that was not in use was removed and is no longer accessible.

Response

No action required. This reference code is logged for information only.

210734FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

2107FFF3

Explanation:

Disk media format bad.

Failing Item

- [FCDEV](#)

2107FFF4

Explanation:

Disk device problem.

Failing Item

- [FCDEV](#)

2107FFF5

Explanation:

Disk sector read error.

Failing Item

- [FCDEV](#)

2107FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [FCDEV](#)

2107FFFA

Explanation:

Disk device wrong response was recovered by the IOP.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [FCDEV](#)

(2145) Reference codes

21453002

Explanation:

Addressed device is not responding.

Failing Item

- [FCPORT](#)
- [FCDEV](#)
- [FCIOA](#)
- [FCINTF](#)
- [OPT_CLN](#)

21453010

Explanation:

Disk device returned wrong response to IOP.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

21453020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

- [FCIOA](#)
- [OPT_CLN](#)

2107FFFE

Explanation:

Temporary Fibre Channel interface error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [FCINTF](#)
- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

21453029

Explanation:

This SRC is surfaced when the IOP detects that a device has changed Serial numbers. A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

21453100

Explanation:

Fibre Channel interface error occurred.

Failing Item

- [FCINTF](#)
- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

21453109

Explanation:

IOP timed out a disk command.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [FCIOA](#)
- [OPT_CLN](#)

21453160

Explanation:

The volume in use is no longer accessible.

Response:

The storage subsystem configuration was changed, causing the volume in use to no longer be accessible.

Failing Item

- [FCDEV](#)

21453161

Explanation:

The volume in use is no longer accessible.

Response:

Storage subsystem copy services functions have caused the volume in use to no longer be accessible.

Failing Item

- [FCDEV](#)

21453162

Explanation

The volume has been released.

The storage subsystem configuration was changed. The volume that was not in use was removed and is no longer accessible.

Response

No action required. This reference code is logged for information only.

214534FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

2145FFF3

Explanation:

Disk media format bad.

Failing Item

- [FCDEV](#)

2145FFF4

Explanation:

Disk device problem.

Failing Item

- [FCDEV](#)

2145FFF5

Explanation:

Disk sector read error.

Failing Item

- [FCDEV](#)

2145FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [FCDEV](#)

2145FFFA

Explanation:

Disk device wrong response was recovered by the IOP.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

2145FFFE

Explanation:

Temporary Fibre Channel interface error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [FCINTF](#)

- [FCDEV](#)
- [FCIOA](#)
- [OPT_CLN](#)

(266D) Reference codes

266DA001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

266DB9B0

(266E) Reference codes

266EA001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

266EB9B0

(266F) Reference codes

266FA001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

Failing Item

- [FI00719](#)
- [FI00718](#)

266FB904

Explanation:

I/O Adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [FI00719](#)

266FB940

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)
- [MA_BRDG](#)

266FB934

Explanation:

Incompatible hardware detected.

266FB941

Explanation:

One half of I/O adapter failed.

Failing Item

- [FI00719](#)

- [FI00718](#)
- [AJDGP01](#)

266FB942

Explanation:

One half of I/O adapter failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

(2689) Reference codes

26890A17

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)
- [AJDG301](#)
- [AJDGP01](#)

26890A22

Explanation:

Adapter card storage error.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOA](#)

26891307

Explanation:

I/O adapter resource not available.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)

26891310

Explanation:

I/O adapter resource not available.

Response

The INA processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

- [AJDGP01](#)

266FB9B0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

Failing Item

- [IOA](#)
- [AJDGP01](#)

26893000

Explanation:

An I/O adapter failure occurred.

Failing Item

- [IOA](#)
- [AJDGP01](#)

26893001

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [IOA](#)
- [AJDGP01](#)

26893006

Explanation:

An I/O adapter failure occurred.

Failing Item

- [IOA](#)
- [ANYBUS](#)

26893080

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)

26893081

Explanation:
I/O adapter error; logged only.

26893084

Explanation:
An I/O adapter failure occurred.

Failing Item

- [AJDGP01](#)
- [IOA](#)

26893087

Explanation:
I/O adapter resource not available.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [NTUSER](#)

26896070

Explanation:
An I/O adapter failure occurred.

Failing Item

- [IOA](#)

26896071

Explanation:
I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)

26896072

Explanation:
I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [IOA](#)

26896075

Explanation:
I/O adapter resource not available.

Failing Item

- [AJDGP01](#)

26896083

Explanation:
I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [IOA](#)

26896085

Explanation:
I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [IOA](#)

26896201

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)
- [AJDGP01](#)

26896202

Explanation:
I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOA](#)

26896203

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [NETSERV](#)
- [IOA](#)
- [AJDGP01](#)

26896210

Explanation:
I/O processor Licensed Internal Code error.

Failing Item

- [NETSERV](#)
- [AJDGP01](#)

26896222

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [IOA](#)

26896223**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)
- [AJDGP01](#)

26896225**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOA](#)

26896226**Explanation:**

I/O processor card detected device error.

Failing Item

- [AJDG301](#)
- [AS4NTDD](#)

26896227**Explanation:**

A HostLAN error was detected.

Failing Item

- [NTUSER](#)
- [AJDGP01](#)
- [IOA](#)

26896228**Explanation:**

Windows initiated a warm boot.

Failing Item

- [AJDGP01](#)
- [IOA](#)

26896501**Explanation:**

A Windows fatal error occurred.

Failing Item

- [IOA](#)
- [AJDGP01](#)

26896502**Explanation:**

A Windows fatal error occurred.

Failing Item

- [AJDGP01](#)
- [IOA](#)

26896530**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [NTOPSYS](#)

26896531**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [AS4NTDD](#)
- [NTOPSYS](#)
- [AJDGP01](#)

26896532**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTOPSYS](#)
- [AJDGP01](#)
- [AS4NTDD](#)

26896533**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTOPSYS](#)
- [AS4NTDD](#)

26896534

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [AS4NTDD](#)
- [AJDGP01](#)
- [NTOPSYS](#)

26896535

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTDEVDR](#)
- [AJDGP01](#)

26896538

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [NTOPSYS](#)

26896539

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [AS4NTDD](#)
- [NTOPSYS](#)
- [AJDGP01](#)

2689653A

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTOPSYS](#)
- [AJDGP01](#)

- [AS4NTDD](#)

2689653B

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTOPSYS](#)
- [AS4NTDD](#)

2689653C

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [AS4NTDD](#)
- [AJDGP01](#)
- [NTOPSYS](#)

2689653D

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTDEVDR](#)
- [AJDGP01](#)

2689653F

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTDEVDR](#)
- [NTOPSYS](#)
- [AJDG301](#)

26896540

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [AJDGP01](#)
- [AJDG301](#)

26896541

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)
- [AJDGP01](#)

26896542

Explanation:

Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)
- [AJDGP01](#)

26896543

Explanation:

A Windows fatal error occurred.

Failing Item

- [NTOPSYS](#)
- [NTVSCSI](#)

26896544

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [NTOPSYS](#)

26896580

Explanation:

A Windows fatal error occurred.

Failing Item

- [DISKIMG](#)
- [IOA](#)
- [AJDGP01](#)

26896590

Explanation:

A Netfinity Server error was detected.

268965B0

Explanation:

A HostLAN error was detected.

Failing Item

- [NTLANDD](#)

- [NTOPSYS](#)

268965B1

Explanation:

A HostLAN error was detected.

Failing Item

- [NTLANDD](#)
- [NTOPSYS](#)
- [AJDG301](#)

268965B2

Explanation:

A HostLAN error was detected.

Failing Item

- [NTDEVDR](#)
- [NTOPSYS](#)
- [AJDG301](#)

26898301

Explanation:

An I/O adapter failure occurred.

Failing Item

- [AJDGP01](#)
- [IOA](#)

2689B3B1

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)

2689B3B2

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)

2689B3B3

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)

2689B3B4

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)

2689B3B5

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)

2689B3B6

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)

2689B3B7

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)

2689B3B8

Explanation:
An I/O adapter failure occurred.

Failing Item

- [IOA](#)

2689B3B9

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)

2689B3E0

Explanation:
I/O processor detected a fault condition.

Failing Item

- [IOA](#)

2689B3E1

Explanation:

An I/O adapter failure occurred.

Failing Item

- [IOA](#)

2689B4B0

Explanation:
I/O adapter hardware error detected.

Failing Item

- [IOA](#)

2689B4B1

Explanation:
A Netfinity Server error was detected.

Failing Item

- [NETSERV](#)
- [AJDGP01](#)

2689B4B9

Explanation:
An I/O adapter failure occurred.

Failing Item

- [IOA](#)

2689B4BC

Explanation:
A Netfinity Server error was detected.

Failing Item

- [NETSERV](#)

2689B4BF

Explanation:
A Netfinity Server error was detected.

Failing Item

- [NSCABLE](#)

2689B904

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [IOA](#)

2689B935

Explanation:
Incompatible hardware detected.

Failing Item

- [AJDGP01](#)
- [IOA](#)

2689B960

Explanation:
I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

(2742) Reference codes

2742A001

Explanation:
Communications I/O adapter software error or failure configuring hardware.

Failing Item

- [NEXTLVL](#)

2742B940

Explanation:
I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

(2743) Reference codes

2743B950

Explanation:
Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [FI00718](#)
- [FI00719](#)

2743B951

(2744) Reference codes

2744B904

Explanation:
I/O adapter Licensed Internal Code failed.

- [IOA](#)

2689BE00

Explanation:
An I/O adapter failure occurred.

Failing Item

- [AJDGP01](#)
- [IOA](#)

- [AJDGP01](#)

- [MA_BRDG](#)

2742B941

Explanation:
One of the ports on the IOA has failed.

Failing Item

- [FI00719](#)
- [AJDGP01](#)

Explanation:
I/O adapter hardware error detected.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)
- [MA_BRDG](#)

Failing Item

- [AJDGP01](#)
- [FI00719](#)

2744B920**Explanation:**

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [FI00718](#)
- [FI00719](#)

2744B921**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

(2745) Reference codes

2745B904**Explanation:**

I/O Adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [FI00719](#)

2745B934**Explanation:**

Incompatible hardware detected.

Failing Item

- [FI00719](#)
- [FI00718](#)

2745B940**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

(2746) Reference codes

2746B904**Explanation:**

I/O Adapter Licensed Internal Code failed.

- [FI00718](#)
- [AJDGP01](#)
- [MA_BRDG](#)

2744B934**Explanation:**

Incompatible hardware detected.

Failing Item

- [FI00719](#)
- [FI00718](#)

- [FI00718](#)

- [AJDGP01](#)

- [MA_BRDG](#)

2745B941**Explanation:**

One half of I/O adapter failed.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)

2745B942**Explanation:**

One half of I/O adapter failed.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)

Failing Item

- [AJDGP01](#)
- [FI00719](#)

2746B934**Explanation:**

Incompatible hardware detected.

Failing Item

- [FI00719](#)
- [FI00718](#)

2746B940

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)
- [MA_BRDG](#)

2746B941

(2757) Reference codes

27571310

Explanation:

I/O processor resource not available.

Response

The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27573006

Explanation:

System bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)
- [STORIOA](#)

27573020

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)

Explanation:

One half of I/O adapter failed.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)

2746B942

Explanation:

One half of I/O adapter failed.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)

-
- [FI01107](#)

- [STORIOA](#)

27573021

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27573022

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)

- [STORIOA](#)

27573023**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27573100**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27573101**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27573102**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27573103**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27573120**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

27573121**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

27573122

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

27573123**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

27573140**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

27573141**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

27573142**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

27573143**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

27573150**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCDPCS](#)

27573151**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDPCS](#)

27573400**Explanation:**

I/O processor card detected device error.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [DEVTERM](#)
- [FI01140](#)

27573401**Explanation:**

Device backplane problem.

Failing Item

- [DEVBPLN](#)

27573501**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27573600

Explanation:

System log entry only, no service action required.

27573601

Explanation:

System log entry only, no service action required.

27578008

Explanation:

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)

27578009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

27578012

Explanation:

Attached read cache devices exceed capacity supported by IOA.

Response

Reduce the number of read caches on the IOA.

Failing Item

- [SVCDPCS](#)

27578100

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27578130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

27578131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

27578132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

27578133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

27578140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

27578141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

27578145

Explanation:

A recoverable I/O processor error occurred.

Failing Item

- [STORIOA](#)

27578146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

27578150

Explanation:

A permanent I/O processor failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

27578151

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

27578155

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

27578156

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)

- [STORIOA](#)

27578157

Explanation:

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDPCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDPCS](#)

27578200

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27579000

Explanation:

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

27579001

Explanation:

I/O processor card detected device configuration error.

Failing Item

- [IOPIP33](#)

27579002

Explanation:

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

27579008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

27579009

Explanation:

Call your next level of support for assistance.

Failing Item

- [SVCDOS](#)

27579010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

27579011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

27579020

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

27579021

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

27579022

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27579023

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27579024

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27579025

Explanation:

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

27579026

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27579027

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

27579028

Explanation:

Incorrect hardware configuration change has been detected.

Response

Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item

- [SVCDOCS](#)

27579029

Explanation:

Incorrect hardware configuration change has been detected.

Response

Contact your next level of support.

Failing Item

- [SVCDOCS](#)

2757902F

Explanation:

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 array members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

27579030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [IOPIP21](#)

27579031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

27579032

Explanation:

A disk unit in a RAID array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [FI02112](#)

- [IOPIP21](#)

27579040

Explanation:

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

27579041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [AJDGP01](#)

27579042

Explanation:

An array parity error has been detected and corrected.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

27579050

Explanation:

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

27579051

Explanation:

IOP cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

27579052

Explanation:

Cache data exists for device that has been modified.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

27579053

Explanation:

IOP resources not available due to previous problems.

Response

Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

27579054

Explanation:

IOP resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

27579071

Explanation:

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

27579072

Explanation:

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

27579073

Explanation:

Incompatible or non-operational auxiliary cache IOA attached.

Failing Item

- [IOPIP40](#)

27579081

Explanation:

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

27579082

Explanation:

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)

- [BACKPLN](#)
- [FI01106](#)

27579090**Explanation:**

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

27579091**Explanation:**

Incorrect hardware configuration change has been detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

27579092**Explanation:**

Disk unit requires initialization before use.

(2760) Reference codes

2760B950**Explanation:**

Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [FI00718](#)
- [FI00719](#)

Failing Item

- [IOPIP26](#)

27579093**Explanation:**

Read cache device not in correct format.

Response

Contact your next level of support.

Failing Item

- [SVCDOS](#)

2757B934**Explanation:**

Incompatible hardware detected.

Failing Item

- [STORIOA](#)

2757FF3D**Explanation:**

I/O adapter detected recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2757FF6D**Explanation:**

I/O processor detected a recoverable system bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)

2760B951**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)

- [MA_BRDG](#)

(2763) Reference codes

27631310

Explanation:

I/O processor resource not available.

Response

The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27633006

Explanation:

System bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)
- [STORIOA](#)

27633020

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27633021

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27633022

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27633023

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27633100

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27633101

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27633102

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27633103

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27633120

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational.
Remove the device.

Failing Item

- [SVCDPCS](#)

27633121

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational.
Remove the device.

Failing Item

- [SVCDPCS](#)

27633122

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational.
Remove the device.

Failing Item

- [SVCDPCS](#)

27633123

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational.
Remove the device.

Failing Item

- [SVCDPCS](#)

27633140

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

27633141

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

27633142

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

27633143

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

27633150

Explanation:

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCDOS](#)

27633151

Explanation:

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDOS](#)

27633400

Explanation:

I/O processor card detected device error.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [DEVTERM](#)
- [FI01140](#)

27633401

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)

27633501

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27633600

Explanation:

System log entry only, no service action required.

27633601

Explanation:

System log entry only, no service action required.

27638008

Explanation:

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)

27638009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

27638012

Explanation:

Attached read cache devices exceed capacity supported by IOA.

Response

Reduce the number of read caches on the IOA.

Failing Item

- [SVCDOS](#)

27638100

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27638130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

27638131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

27638132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

27638133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

27638140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

27638141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

27638145

Explanation:

A recoverable I/O processor error occurred.

Failing Item

- [STORIOA](#)

27638146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

27638150

Explanation:

A permanent I/O processor failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

27638151

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

27638155

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

27638156

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

27638157

Explanation:

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

27638200

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

- [IOP](#)

27639000

Explanation:

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

27639001

Explanation:

I/O processor card detected device configuration error.

Failing Item

- [IOPIP33](#)

27639002

Explanation:

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

27639008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

27639009

Explanation:

Call your next level of support for assistance.

Failing Item

- [SVCDOCS](#)

27639010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

27639011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

27639020

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

27639021

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

27639022

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27639023

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27639024

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27639025

Explanation:

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

27639026

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27639027

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

27639028

Explanation:

Incorrect hardware configuration change has been detected.

Response

Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item

- [SVCDPCS](#)

27639029

Explanation:

Incorrect hardware configuration change has been detected.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

2763902F

Explanation:

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 array members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

27639030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [IOIP21](#)

27639031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

27639032

Explanation:

A disk unit in a RAID array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [FI02112](#)
- [IOIP21](#)

27639040

Explanation:

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

27639041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [AJDGP01](#)

27639042

Explanation:

An array parity error has been detected and corrected.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

27639050

Explanation:

Required cache data cannot be located for a disk unit.

Failing Item

- [IOIP30](#)

27639051

Explanation:

IOP cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOIP27](#)

27639052

Explanation:

Cache data exists for device that has been modified.

Response

Contact your next level of support.

Failing Item

- [SVCDOS](#)

27639053**Explanation:**

IOP resources not available due to previous problems.

Response

Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDOS](#)

27639054**Explanation:**

IOP resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDOS](#)

27639071**Explanation:**

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

27639072**Explanation:**

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

27639073**Explanation:**

Incompatible or non-operational auxiliary cache IOA attached.

Failing Item

- [IOPIP40](#)

27639081**Explanation:**

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

27639082**Explanation:**

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

27639090**Explanation:**

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

27639091**Explanation:**

Incorrect hardware configuration change has been detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

27639092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

27639093

Explanation:

Read cache device not in correct format.

Response

Contact your next level of support.

Failing Item

- [SVCDOS](#)

2763B934

(2765) Reference codes

27651310

Explanation:

I/O processor or I/O adapter resource not available.

Response

The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27653020

Explanation:

I/O processor detected a configuration error.

Response:

Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item

- [SVCDOS](#)

27653100

Explanation:

Explanation:

Incompatible hardware detected.

Failing Item

- [STORIOA](#)

2763FF3D

Explanation:

I/O adapter detected recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2763FF6D

Explanation:

I/O processor detected a recoverable system bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)

I/O processor card detected interface error.

Failing Item

- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

27653120

Explanation:

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

27653140

Explanation:

I/O Processor detected that a port is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

27653200

Explanation:

A disk device reported a failure.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

27653400

Explanation:

I/O processor card detected device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

276534FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

27658130

Explanation:

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

27658140

Explanation:

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

27658141

Explanation:

IOA detected recoverable device error.

Response

No action required. This reference code is logged for information only.

27658145

Explanation:

A recoverable I/O processor error occurred.

Failing Item

- [FCIOA](#)
- [OPT_CLN](#)

27658146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FCDEV](#)

27658150

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

27658151

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

27658155

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

27658156

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

27659091

Explanation:

Incorrect hardware configuration change has been detected.

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If

an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

27659092

Explanation:

Incorrect hardware configuration change has been detected.

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

2765FF3D

Explanation:

Recovered IOA error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

(2766) Reference codes

27661310

Explanation:

I/O processor or I/O adapter resource not available.

Response

The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27663020

Explanation:

I/O processor detected a configuration error.

Response:

Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item

- [SVCDPCS](#)

27663100

Explanation:

I/O processor card detected interface error.

Failing Item

- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

27663120

Explanation:

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

27663140

Explanation:

I/O Processor detected that a port is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

27663200

Explanation:

A disk device reported a failure.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

27663400

Explanation:

I/O processor card detected device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

276634FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

27668130

Explanation:

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

27668140

Explanation:

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

27668141

Explanation:

IOA detected recoverable device error.

Response

No action required. This reference code is logged for information only.

27668145

Explanation:

A recoverable I/O processor error occurred.

Failing Item

- [FCIOA](#)
- [OPT_CLN](#)

27668146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FCDEV](#)

27668150

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [FCIOA](#)

- [ANYBRDG](#)
- [OPT_CLN](#)

27668151

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

27668155

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

27668156

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

27669091

Explanation:

Incorrect hardware configuration change has been detected.

(2767) Reference codes

27670A17

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [MA_BRDG](#)
- [AJDGP01](#)
- [AJDG301](#)

27670A22

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

27669092

Explanation:

Incorrect hardware configuration change has been detected.

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

2766FF3D

Explanation:

Recovered IOA error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

Explanation:

I/O processor detected a storage transfer error.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOP](#)
- [MA_BRDG](#)

2767102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [FI01105](#)

27671306

Explanation:

I/O processor card or Licensed Internal Code error.

Response

A microprocessor exception occurred on the I/O processor.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [BACKPLN](#)

27671307

Explanation:

I/O processor resource not available.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)

27671310

Explanation:

I/O processor resource not available.

Response

The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27671317

Explanation:

I/O processor card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

27672200

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

27672201

Explanation:

Removable media error during IPL.

Failing Item

- [USER](#)
- [FI01105](#)

27672202

Explanation:

Removable media error during IPL.

Failing Item

- [FI00022](#)
- [FI01105](#)

27673000

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [FI01101](#)
- [IOP](#)
- [MA_BRDG](#)

27673001

Explanation:

Not valid condition in I/O Processor Licensed Internal Code.

Response:

The Licensed Internal Code found a condition that should not have occurred.

Failing Item

- [IOP](#)

- [AJDGP01](#)

27673002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [FI01106](#)

27673006**Explanation:**

System bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)
- [FI01101](#)

27673020**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27673021**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)

- [FI01107](#)
- [STORIOA](#)

27673022**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27673023**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27673080**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

27673081**Explanation:**

System log entry only, no service action required.

27673084**Explanation:**

I/O processor card or Licensed Internal Code error.

Response:

A microprocessor exception occurred on the I/O processor.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [MA_BRDG](#)

27673087

Explanation:

I/O processor resource not available.

Response:

The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOACNFG](#)
- [FI01104](#)

27673100

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27673101

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27673102

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27673103

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27673109

Explanation:

I/O processor timed out a device command.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

27673110

Explanation:

I/O processor card detected interface error.

Failing Item

- [IOPIP16](#)

- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

27673120

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOCS](#)

27673121

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOCS](#)

27673122

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOCS](#)

27673123

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOCS](#)

27673136

Explanation:

The removable media device is assigned elsewhere.

Failing Item

- [USER](#)
- [FI01105](#)

27673140

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

27673141

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

27673142

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

27673143

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

27673150

Explanation:

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCDPCS](#)

27673151

Explanation:

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDPCS](#)

27673200

Explanation:

A tape/CD or disk device reported a failure.

Failing Item

- [FI01105](#)
- [STORIOA](#)
- [IOP](#)
- [MEDIA](#)

27673203

Explanation:

Disk media format bad.

Failing Item

- [FI01105](#)

27673205

Explanation:

Disk sector read error.

Response

Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item

- [FI01105](#)

27673215

Explanation:

Disk sector read error.

Response

Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item

- [FI01105](#)

27673250

Explanation:

Disk unit requires initialization before use.

Response

Perform a D-IPL and work on errors found in the log.

Failing Item

- [USER](#)

27673300

Explanation:

Storage unit detected a media problem.

Failing Item

- [IOPIP01](#)
- [MEDIA](#)
- [FI00121](#)
- [FI01141](#)

27673400

Explanation:

I/O processor card detected device error.

Response:

NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [DEVTERM](#)
- [FI01140](#)

27673401

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)

27673501

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27673600**Explanation:**

System log entry only, no service action required.

27673601**Explanation:**

System log entry only, no service action required.

27676070**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

27676071**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

27676072**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27676073**Explanation:**

IPL device not ready.

Failing Item

- [MEDIA](#)
- [FI01105](#)
- [USER](#)

27676075**Explanation:**

I/O processor resource not available.

Failing Item

- [AJDGP01](#)

27676076**Explanation:**

I/O processor card detected media error.

Failing Item

- [MEDIA](#)
- [AJDGP01](#)
- [FI01105](#)

27676081**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27676082**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27676083**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27676085**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)

27676200**Explanation:**

A permanent IOA hardware error occurred.

Failing Item

- [FCIOA](#)
- [OPT_CLN](#)

27676201

Explanation:

IOA LID is not valid.

Failing Item

- [AJDGP01](#)

27676602

Explanation:

An I/O processor Licensed Internal Code error occurred.

Failing Item

- [AJDGP01](#)

27678000

Explanation:

A permanent IOP or cache adapter card failure occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [STORIOA](#)
- [CACHE](#)

27678002

Explanation:

A permanent cache adapter card failure occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

27678004

Explanation:

Voltage drop detected on I/O processor 5 volt power supply.

Failing Item

- [FI01141](#)

- [STORIOA](#)

27678005

Explanation:

A recoverable IOP or cache adapter card error occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [STORIOA](#)
- [CACHE](#)

27678007

Explanation:

A recoverable cache adapter card error occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

27678010

Explanation:

A permanent cache adapter card failure occurred.

Response

The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

27678011

Explanation:

A permanent cache adapter card failure occurred.

Response

The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

27678100

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27678130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required.
This reference code is logged for information only.

27678131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required.
This reference code is logged for information only.

27678132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required.
This reference code is logged for information only.

27678133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required.
This reference code is logged for information only.

27678140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

27678141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

27678145

Explanation:

A recoverable I/O processor error occurred.

Failing Item

- [STORIOA](#)

27678146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

27678150

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

27678151

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

27678155

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

27678156

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

27678157

Explanation:

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

27678200

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27678300

Explanation:

I/O processor card or Licensed Internal Code error.

Response

A microprocessor exception occurred on the I/O processor.

Failing Item

- [STORIOA](#)
- [IOP](#)
- [AJDGP01](#)

27678301

Explanation:

Not valid condition in I/O Processor Licensed Internal Code.

Response

The Licensed Internal Code found a condition that should not have occurred.

Failing Item

- [FI01101](#)
- [AJDGP01](#)
- [IOP](#)

27678400

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

27679000

Explanation:

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

27679001

Explanation:

I/O processor card detected device configuration error.

Failing Item

- [IOPIP33](#)

27679002

Explanation:

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

27679008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

27679009**Explanation:**

Call your next level of support for assistance.

Failing Item

- [SVCDOCS](#)

27679010**Explanation:**

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

27679011**Explanation:**

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

27679012**Explanation:**

IOP requires a cache adapter card but cannot find it.

Response

The cache adapter card is missing or broken.

Failing Item

- [IOPIP29](#)
- [CACHE](#)

27679013**Explanation:**

The IOP and attached cache adapter card are not compatible.

Failing Item

- [IOPIP19](#)

27679020**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

27679021**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

27679022**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27679023**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27679024**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27679025**Explanation:**

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

27679026**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27679027

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

27679028

Explanation:

Incorrect hardware configuration change has been detected.

Response

Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item

- [SVCDOS](#)

27679029

Explanation:

Incorrect hardware configuration change has been detected.

Response

Contact your next level of support.

Failing Item

- [SVCDOS](#)

2767902F

Explanation:

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

27679030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [IOPIP21](#)

27679031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

27679040

Explanation:

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

27679041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [AJDGP01](#)

27679050

Explanation:

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

27679051

Explanation:

IOP cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

27679052

Explanation:

Cache data exists for device that has been modified.

Failing Item

- [IOPIP28](#)

27679053

Explanation:

IOP resources not available due to previous problems.

Response

Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

27679054

Explanation:

IOP resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

27679081

Explanation:

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

27679082

Explanation:

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

27679090

Explanation:

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

27679091

Explanation:

Incorrect hardware configuration change has been detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

27679092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

2767B3B1**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2767B3B2**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2767B3B3**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2767B3B4**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2767B3B5**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2767B3B6**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2767B3B7**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2767B3B8**Explanation:**

Multi-adapter Bridge error detected.

Failing Item

- [MA_BRDG](#)

- [IOP](#)

2767B3B9**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2767B3E0**Explanation:**

I/O processor detected a fault condition.

Failing Item

- [IOP](#)

- [MA_BRDG](#)

2767B3E1**Explanation:**

I/O processor detected a fault condition.

Failing Item

- [IOP](#)

- [MA_BRDG](#)

2767B410**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)

2767B411**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)

2767B412**Explanation:**

Tape/CD or disk bus interface error occurred.

Failing Item

- [IOPIP16](#)
- [FI01107](#)
- [FI01140](#)
- [STORIOA](#)
- [DEVTERM](#)

2767B935**Explanation:**

Unknown hardware detected.

Failing Item

- [FI01101](#)
- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)

2767BE00**Explanation:**

I/O processor detected a fault condition.

(2771) Reference codes

2771B904**Explanation:**

I/O Adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [FI00719](#)

2771B934**Explanation:**

Incompatible hardware detected.

Failing Item

- [FI00719](#)
- [FI00718](#)

2771B940**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [MA_BRDG](#)

2767FF3D**Explanation:**

I/O adapter detected recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2767FF6D**Explanation:**

I/O processor detected a recoverable system bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)
- [MA_BRDG](#)

2771B941**Explanation:**

One half of I/O adapter failed.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)

2771B942**Explanation:**

One half of I/O adapter failed.

Failing Item

- [FI00719](#)

- [FI00718](#)

- [AJDGP01](#)

(2772) Reference codes

2772B904

Explanation:

I/O Adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [FI00719](#)

2772B934

Explanation:

Incompatible hardware detected.

Failing Item

- [FI00719](#)
- [FI00718](#)

2772B940

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

- [FI00718](#)

- [AJDGP01](#)

- [MA_BRDG](#)

2772B941

Explanation:

One half of I/O adapter failed.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)

2772B942

Explanation:

One half of I/O adapter failed.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)

(2782) Reference codes

27821310

Explanation:

I/O processor resource not available.

Response

The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27823006

Explanation:

System bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)
- [STORIOA](#)

27823020

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27823021

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27823022

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27823023

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

27823100

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27823101

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27823102

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27823103

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

27823120

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCD OCS](#)

27823121**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCD OCS](#)

27823122**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCD OCS](#)

27823123**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCD OCS](#)

27823140**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

27823141**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

27823142**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

27823143**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

27823150**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCD OCS](#)

27823151**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCD OCS](#)

27823400**Explanation:**

I/O processor card detected device error.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [DEVTERM](#)
- [FI01140](#)

27823401

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)

27823501

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27823600

Explanation:

System log entry only, no service action required.

27823601

Explanation:

System log entry only, no service action required.

27828008

Explanation:

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)

27828009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

27828012

Explanation:

Attached read cache devices exceed capacity supported by IOA.

Response

Reduce the number of read caches on the IOA.

Failing Item

- [SVCDPCS](#)

27828100

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

27828130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

27828131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

27828132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

27828133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

27828140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

27828141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

27828145**Explanation:**

A recoverable I/O processor error occurred.

Failing Item

- [STORIOA](#)

27828146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

27828150**Explanation:**

A permanent I/O processor failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

27828151**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

27828155**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

27828156**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

27828157**Explanation:**

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

27828200**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

- [IOP](#)

27829000**Explanation:**

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

27829001**Explanation:**

I/O processor card detected device configuration error.

Failing Item

- [IOPIP33](#)

27829002**Explanation:**

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

27829008**Explanation:**

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

27829009**Explanation:**

Call your next level of support for assistance.

Failing Item

- [SVCDOS](#)

27829010**Explanation:**

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

27829011**Explanation:**

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

27829020**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

27829021**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

27829022**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27829023**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27829024**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27829025**Explanation:**

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

27829026**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

27829027**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

27829028**Explanation:**

Incorrect hardware configuration change has been detected.

Response

Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item

- [SVCDOS](#)

27829029**Explanation:**

Incorrect hardware configuration change has been detected.

Response

Contact your next level of support.

Failing Item

- [SVCDOS](#)

2782902F**Explanation:**

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 array members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

27829030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [IOPIP21](#)

27829031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

27829032**Explanation:**

A disk unit in a RAID array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [FI02112](#)
- [IOPIP21](#)

27829040**Explanation:**

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

27829041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [AJDGP01](#)

27829042

Explanation:

An array parity error has been detected and corrected.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

27829050

Explanation:

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

27829051

Explanation:

IOP cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

27829052

Explanation:

Cache data exists for device that has been modified.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

27829053

Explanation:

IOP resources not available due to previous problems.

Response

Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

27829054

Explanation:

IOP resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

27829071

Explanation:

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

27829072

Explanation:

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

27829073

Explanation:

Incompatible or non-operational auxiliary cache IOA attached.

Failing Item

- [IOPIP40](#)

27829081

Explanation:

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

27829082

Explanation:

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

27829090

Explanation:

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

27829091

Explanation:

Incorrect hardware configuration change has been detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

27829092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

27829093

Explanation:

Read cache device not in correct format.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

2782B934

Explanation:

Incompatible hardware detected.

Failing Item

- [STORIOA](#)

2782FF3D

Explanation:

I/O adapter detected recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2782FF6D

Explanation:

I/O processor detected a recoverable system bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)

(2787) Reference codes

27871310

Explanation:

I/O processor or I/O adapter resource not available.

Response

The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27873020

Explanation:

I/O processor detected a configuration error.

Response:

Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item

- [SVCDOS](#)

27873100

Explanation:

I/O processor card detected interface error.

Failing Item

- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

27873120

Explanation:

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)

- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

27873140

Explanation:

I/O Processor detected that a port is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

27873200

Explanation:

A disk device reported a failure.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

27873400

Explanation:

I/O processor card detected device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

278734FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

27878130

Explanation:

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

27878140**Explanation:**

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

27878141**Explanation:**

IOA detected recoverable device error.

Response

No action required. This reference code is logged for information only.

27878145**Explanation:**

A recoverable I/O processor error occurred.

Failing Item

- [FCIOA](#)
- [OPT_CLN](#)

27878146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FCDEV](#)

27878150**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

27878151**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

27878155**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

27878156**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

27879091**Explanation:**

Incorrect hardware configuration change has been detected.

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

27879092**Explanation:**

Incorrect hardware configuration change has been detected.

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

2787FF3D

Explanation:

Recovered IOA error.

(2793) Reference codes

2793A001

Explanation:

Communications I/O adapter software error or failure configuring hardware.

Failing Item

- [NEXTLVL](#)

2793B940

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

(2805) Reference codes

2805A001

Explanation:

Communications I/O adapter software error or failure configuring hardware.

Failing Item

- [NEXTLVL](#)

2805B940

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

(280D) Reference codes

280D1310

Explanation:

I/O processor or I/O adapter resource not available.

Response

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

-
- [AJDGP01](#)

- [MA_BRDG](#)

2793B941

Explanation:

One of the ports on the IOA has failed.

Failing Item

- [FI00719](#)
- [AJDGP01](#)

-
- [AJDGP01](#)

- [MA_BRDG](#)

2805B941

Explanation:

One of the ports on the IOA has failed.

Failing Item

- [FI00719](#)
- [AJDGP01](#)

The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

280D3020

Explanation:

I/O processor detected a configuration error.

Response:

Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item

- [SVCDOS](#)

280D3100**Explanation:**

I/O processor card detected interface error.

Failing Item

- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

280D3120**Explanation:**

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

280D3140**Explanation:**

I/O Processor detected that a port is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

280D3200**Explanation:**

A disk device reported a failure.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

280D3400**Explanation:**

I/O processor card detected device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

280D34FF**Explanation:**

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

280D8130**Explanation:**

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

280D8140**Explanation:**

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

280D8141**Explanation:**

IOA detected recoverable device error.

Response

No action required. This reference code is logged for information only.

280D8145**Explanation:**

A recoverable I/O processor error occurred.

Failing Item

- [FCIOA](#)
- [OPT_CLN](#)

280D8146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FCDEV](#)

280D8150**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

280D8151**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

280D8155**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

280D8156**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

280D9091**Explanation:**

Incorrect hardware configuration change has been detected.

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

280D9092**Explanation:**

Incorrect hardware configuration change has been detected.

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

280DFF3D**Explanation:**

Recovered IOA error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

(280E) Reference codes

280E1310**Explanation:**

I/O processor or I/O adapter resource not available.

Response

The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

280E3020

Explanation:

I/O processor detected a configuration error.

Response:

Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item

- [SVCDOS](#)

280E3100

Explanation:

I/O processor card detected interface error.

Failing Item

- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

280E3120

Explanation:

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

280E3140

Explanation:

I/O Processor detected that a port is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

280E3200

Explanation:

A disk device reported a failure.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

280E3400

Explanation:

I/O processor card detected device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

280E34FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

280E8130

Explanation:

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

280E8140

Explanation:

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

280E8141**Explanation:**

IOA detected recoverable device error.

Response

No action required. This reference code is logged for information only.

280E8145**Explanation:**

A recoverable I/O processor error occurred.

Failing Item

- [FCIOA](#)
- [OPT_CLN](#)

280E8146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FCDEV](#)

280E8150**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

280E8151**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

280E8155**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

280E8156**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

280E9091**Explanation:**

Incorrect hardware configuration change has been detected.

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

280E9092**Explanation:**

Incorrect hardware configuration change has been detected.

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

280EFF3D**Explanation:**

Recovered IOA error.

Failing Item

- [FCIOA](#)

- [ANYBRDG](#)

- [OPT_CLN](#)

(2838) Reference codes

2838B904

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [FI00719](#)

2838B930

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [FI00718](#)
- [FI00719](#)

2838B931

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)
- [MA_BRDG](#)

2838B933

Explanation:

Incompatible hardware detected.

Failing Item

- [FI00719](#)
- [AJDGP01](#)

(283C) Reference codes

283C1511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

283C1515

Explanation:

A fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

283C1521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

283C1525

Explanation:

A fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

283C3002

Explanation:

Addressed device backplane failed to respond to selection.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)

- [FI01140](#)
- [FI01106](#)

283C3109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

283C7611

Explanation:

A fatal error occurred on redundant fan 1.

Failing Item

- [DISKFAN](#)

283C7614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

283C7621

Explanation:

A fatal error occurred on redundant fan 2.

Failing Item

- [DISKFAN](#)

283C7624

Explanation:

A fatal error occurred on fan 2.

(283D) Reference codes

283D1511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

Failing Item

- [DISKFAN](#)

283C7631

Explanation:

A fatal error occurred on redundant fan 3.

Failing Item

- [DISKFAN](#)

283C7634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

283C8401

Explanation:

Removable media power fault.

Failing Item

- [DEVBPLN](#)

283C8404

Explanation:

System log entry only, no service action required.

283CFFF4

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

283D1515

Explanation:

A fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

283D1521**Explanation:**

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

283D1525**Explanation:**

A fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

283D3002**Explanation:**

Addressed device backplane failed to respond to selection.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

283D3109**Explanation:**

I/O adapter timed out a device backplane command.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

283D7611**Explanation:**

A fatal error occurred on redundant fan 1.

Failing Item

- [DISKFAN](#)

283D7614**Explanation:**

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

283D7621**Explanation:**

A fatal error occurred on redundant fan 2.

Failing Item

- [DISKFAN](#)

283D7624**Explanation:**

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

283D7631**Explanation:**

A fatal error occurred on redundant fan 3.

Failing Item

- [DISKFAN](#)

283D7634**Explanation:**

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

283D8401**Explanation:**

Removable media power fault.

Failing Item

- [DEVBPLN](#)

283D8404**Explanation:**

System log entry only, no service action required.

283DFFF4**Explanation:**

Device backplane problem.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)

- [FI01140](#)
- [FI01106](#)

(2847) Reference codes

28470A17

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [MA_BRDG](#)
- [AJDGP01](#)
- [AJDG301](#)

28470A22

Explanation:

I/O processor detected a storage transfer error.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOP](#)
- [MA_BRDG](#)

28471307

Explanation:

I/O processor resource not available.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)

28471310

Explanation:

I/O processor resource not available.

Response

The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

28473000

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [FCIOA](#)
- [IOP](#)
- [MA_BRDG](#)
- [OPT_CLN](#)

28473001

Explanation:

Not valid condition in I/O Processor Licensed Internal Code.

Response:

The Licensed Internal Code found a condition that should not have occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28473002

Explanation:

Addressed device is not responding.

Failing Item

- [FCPORT](#)
- [FCDEV](#)
- [FCIOA](#)
- [FCINTF](#)
- [OPT_CLN](#)

28473006

Explanation:

System bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)
- [FCIOA](#)
- [OPT_CLN](#)

28473080

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

28473081

Explanation:

System log entry only, no service action required.

28473084

Explanation:

I/O processor card or Licensed Internal Code error.

Response:

A microprocessor exception occurred on the I/O processor.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FCIOA](#)
- [MA_BRDG](#)
- [OPT_CLN](#)

28473087

Explanation:

I/O processor resource not available.

Response:

The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [FCIOA](#)
- [OPT_CLN](#)

28473100

Explanation:

I/O processor card detected interface error.

Failing Item

- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

28473109

Explanation:

I/O processor timed out a device command.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [FCIOA](#)
- [OPT_CLN](#)

28473120

Explanation:

I/O processor detected a port failure.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

28473200

Explanation:

A disk device reported a failure.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

28473501

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28476070

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

28476071

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

28476072

Explanation:
I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28476075

Explanation:
I/O processor resource not available.

Failing Item

- [AJDGP01](#)

28476076

Explanation:
I/O processor card detected media error.

Failing Item

- [AJDG301](#)
- [AJDGP01](#)
- [FCDEV](#)

28476081

Explanation:
I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28476082

Explanation:
I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28476083

Explanation:
I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28476085

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)

28476200

Explanation:
A permanent IOA hardware error occurred.

Failing Item

- [FCIOA](#)
- [OPT_CLN](#)

28476201

Explanation:
IOA LID is not valid.

Failing Item

- [AJDGP01](#)

28478100

Explanation:
I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28478150

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

28478155

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

28478156

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

28478200**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28478300**Explanation:**

I/O processor card or Licensed Internal Code error.

Response

A microprocessor exception occurred on the I/O processor.

Failing Item

- [FCIOA](#)
- [IOP](#)
- [AJDGP01](#)
- [OPT_CLN](#)

28478301**Explanation:**

Not valid condition in I/O Processor Licensed Internal Code.

Response

The Licensed Internal Code found a condition that should not have occurred.

Failing Item

- [FCIOA](#)
- [AJDGP01](#)
- [IOP](#)
- [OPT_CLN](#)

2847B3B1**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2847B3B2**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2847B3B3**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2847B3B4**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2847B3B5**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2847B3B6**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2847B3B7**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2847B3B8**Explanation:**

Multi-adapter Bridge error detected.

Failing Item

- [MA_BRDG](#)
- [IOP](#)

2847B3E0

Explanation:

I/O processor detected a fault condition.

Failing Item

- [IOP](#)
- [MA_BRDG](#)

2847B3E1

Explanation:

I/O processor detected a fault condition.

Failing Item

- [IOP](#)
- [MA_BRDG](#)

2847B935

Explanation:

Unknown hardware detected.

Failing Item

- [FCIOA](#)
- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)
- [OPT_CLN](#)

2847BE00

Explanation:

I/O processor detected a fault condition.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FCIOA](#)
- [MA_BRDG](#)
- [OPT_CLN](#)

(2849) Reference codes

2849B904

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [FI00719](#)

2849B930

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [FI00718](#)
- [FI00719](#)

2849B931

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)
- [MA_BRDG](#)

2849B933

Explanation:

Incompatible hardware detected.

Failing Item

- [FI00719](#)
- [AJDGP01](#)

(284B) Reference codes

284B0A17

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [MA_BRDG](#)
- [AJDGP01](#)

- [AJDG301](#)

284B0A22**Explanation:**

I/O processor detected a storage transfer error.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOP](#)
- [MA_BRDG](#)

284B102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [FI01105](#)

284B1306**Explanation:**

I/O processor card or Licensed Internal Code error.

Response

A microprocessor exception occurred on the I/O processor.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [BACKPLN](#)

284B1307**Explanation:**

I/O processor resource not available.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)

284B1310**Explanation:**

I/O processor resource not available.

Response

The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

284B1317**Explanation:**

I/O processor card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

284B2200**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

284B2201**Explanation:**

Removable media error during IPL.

Failing Item

- [USER](#)
- [FI01105](#)

284B2202**Explanation:**

Removable media error during IPL.

Failing Item

- [FI00022](#)
- [FI01105](#)

284B3000

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [FI01101](#)
- [IOP](#)
- [MA_BRDG](#)

284B3001**Explanation:**

Not valid condition in I/O Processor Licensed Internal Code.

Response:

The Licensed Internal Code found a condition that should not have occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

284B3002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [FI01106](#)

284B3006**Explanation:**

System bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)
- [FI01101](#)

284B3020**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

284B3021**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

284B3022**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

284B3023**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

284B3080

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

284B3081**Explanation:**

System log entry only, no service action required.

284B3084**Explanation:**

I/O processor card or Licensed Internal Code error.

Response:

A microprocessor exception occurred on the I/O processor.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [MA_BRDG](#)

284B3087**Explanation:**

I/O processor resource not available.

Response:

The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOACNFG](#)
- [FI01104](#)

284B3100**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)

- [DEVBPLN](#)

284B3101**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

284B3102**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

284B3103**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

284B3109**Explanation:**

I/O processor timed out a device command.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

284B3110

Explanation:

I/O processor card detected interface error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

284B3120

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational.
Remove the device.

Failing Item

- [SVCDPCS](#)

284B3121

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational.
Remove the device.

Failing Item

- [SVCDPCS](#)

284B3122

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational.
Remove the device.

Failing Item

- [SVCDPCS](#)

284B3123

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational.
Remove the device.

Failing Item

- [SVCDPCS](#)

284B3136

Explanation:

The removable media device is assigned elsewhere.

Failing Item

- [USER](#)
- [FI01105](#)

284B3140

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

284B3141

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

284B3142

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

284B3143**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

284B3150**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCDOS](#)

284B3151**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDOS](#)

284B3200**Explanation:**

A tape/CD or disk device reported a failure.

Failing Item

- [FI01105](#)
- [STORIOA](#)
- [IOP](#)
- [MEDIA](#)

284B3203**Explanation:**

Disk media format bad.

Failing Item

- [FI01105](#)

284B3205**Explanation:**

Disk sector read error.

Response

Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item

- [FI01105](#)

284B3215**Explanation:**

Disk sector read error.

Response

Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item

- [FI01105](#)

284B3250**Explanation:**

Disk unit requires initialization before use.

Response

Perform a D-IPL and work on errors found in the log.

Failing Item

- [USER](#)

284B3300**Explanation:**

Storage unit detected a media problem.

Failing Item

- [IOPIP01](#)
- [MEDIA](#)
- [FI00121](#)
- [FI01141](#)

284B3400**Explanation:**

I/O processor card detected device error.

Response:

NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [DEVTERM](#)
- [FI01140](#)

284B3401

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)

284B3501

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

284B3600

Explanation:

System log entry only, no service action required.

284B3601

Explanation:

System log entry only, no service action required.

284B6070

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

284B6071

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

284B6072

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

- [IOP](#)

284B6073

Explanation:

IPL device not ready.

Failing Item

- [MEDIA](#)
- [FI01105](#)
- [USER](#)

284B6075

Explanation:

I/O processor resource not available.

Failing Item

- [AJDGP01](#)

284B6076

Explanation:

I/O processor card detected media error.

Failing Item

- [MEDIA](#)
- [AJDGP01](#)
- [FI01105](#)

284B6081

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

284B6082

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

284B6083

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

- [IOP](#)

284B6085**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)

284B6200**Explanation:**

A permanent IOA hardware error occurred.

Failing Item

- [FCIOA](#)
- [OPT_CLN](#)

284B6201**Explanation:**

IOA LID is not valid.

Failing Item

- [AJDGP01](#)

284B6602**Explanation:**

An I/O processor Licensed Internal Code error occurred.

Failing Item

- [AJDGP01](#)

284B8000**Explanation:**

A permanent IOP or cache adapter card failure occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [STORIOA](#)
- [CACHE](#)

284B8002**Explanation:**

A permanent cache adapter card failure occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

284B8004**Explanation:**

Voltage drop detected on I/O processor 5 volt power supply.

Failing Item

- [FI01141](#)
- [STORIOA](#)

284B8005**Explanation:**

A recoverable IOP or cache adapter card error occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [STORIOA](#)
- [CACHE](#)

284B8007**Explanation:**

A recoverable cache adapter card error occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

284B8010**Explanation:**

A permanent cache adapter card failure occurred.

Response

The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

284B8011

Explanation:

A permanent cache adapter card failure occurred.

Response

The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

284B8100

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

284B8130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required.
This reference code is logged for information only.

284B8131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required.
This reference code is logged for information only.

284B8132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required.
This reference code is logged for information only.

284B8133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required.
This reference code is logged for information only.

284B8140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

284B8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

284B8145

Explanation:

A recoverable I/O processor error occurred.

Failing Item

- [STORIOA](#)

284B8146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

284B8150

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

284B8151

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

284B8155**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

284B8156**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

284B8157**Explanation:**

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

284B8200**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

284B8300**Explanation:**

I/O processor card or Licensed Internal Code error.

Response

A microprocessor exception occurred on the I/O processor.

Failing Item

- [STORIOA](#)
- [IOP](#)
- [AJDGP01](#)

284B8301**Explanation:**

Not valid condition in I/O Processor Licensed Internal Code.

Response

The Licensed Internal Code found a condition that should not have occurred.

Failing Item

- [FI01101](#)
- [AJDGP01](#)
- [IOP](#)

284B8400**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

284B9000**Explanation:**

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

284B9001**Explanation:**

I/O processor card detected device configuration error.

Failing Item

- [IOPIP33](#)

284B9002

Explanation:

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

284B9008**Explanation:**

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

284B9009**Explanation:**

Call your next level of support for assistance.

Failing Item

- [SVCDOS](#)

284B9010**Explanation:**

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

284B9011**Explanation:**

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

284B9012**Explanation:**

IOP requires a cache adapter card but cannot find it.

Response

The cache adapter card is missing or broken.

Failing Item

- [IOPIP29](#)
- [CACHE](#)

284B9013**Explanation:**

The IOP and attached cache adapter card are not compatible.

Failing Item

- [IOPIP19](#)

284B9020**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

284B9021**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

284B9022**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

284B9023**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

284B9024**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

284B9025

Explanation:

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

284B9026

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

284B9027

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

284B9028

Explanation:

Incorrect hardware configuration change has been detected.

Response

Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item

- [SVCDOS](#)

284B9029

Explanation:

Incorrect hardware configuration change has been detected.

Response

Contact your next level of support.

Failing Item

- [SVCDOS](#)

284B902F

Explanation:

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

284B9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [IOPIP21](#)

284B9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

284B9040

Explanation:

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

284B9041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [AJDGP01](#)

284B9050

Explanation:

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

284B9051

Explanation:

IOP cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

284B9052

Explanation:

Cache data exists for device that has been modified.

Failing Item

- [IOPIP28](#)

284B9053

Explanation:

IOP resources not available due to previous problems.

Response

Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

284B9054

Explanation:

IOP resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you

cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

284B9081

Explanation:

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

284B9082

Explanation:

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

284B9090

Explanation:

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

284B9091

Explanation:

Incorrect hardware configuration change has been detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

284B9092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

284BB3B1

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

284BB3B2

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

284BB3B3

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

284BB3B4

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

284BB3B5

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

284BB3B6

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

284BB3B7

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

284BB3B8

Explanation:

Multi-adapter Bridge error detected.

Failing Item

- [MA_BRDG](#)

- [IOP](#)

284BB3B9

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

284BB3E0

Explanation:

I/O processor detected a fault condition.

Failing Item

- [IOP](#)

- [MA_BRDG](#)

284BB3E1

Explanation:

I/O processor detected a fault condition.

Failing Item

- [IOP](#)

- [MA_BRDG](#)

284BB410

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)

284BB411

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)

284BB412

Explanation:

Tape/CD or disk bus interface error occurred.

Failing Item

- [IOPIP16](#)
- [FI01107](#)
- [FI01140](#)
- [STORIOA](#)
- [DEVTERM](#)

284BB935

Explanation:

Unknown hardware detected.

Failing Item

- [FI01101](#)
- [AJDGP01](#)

(2875) Reference codes

28751511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28751515

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the

- [IOP](#)
- [MA_BRDG](#)

284BBE00

Explanation:

I/O processor detected a fault condition.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [MA_BRDG](#)

284BFF3D

Explanation:

I/O adapter detected recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

284BFF6D

Explanation:

I/O processor detected a recoverable system bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)

problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28751521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28751525

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28753002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

28753109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

28757614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

28757624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

28757634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

28757644

Explanation:

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

28758404

Explanation:

System log entry only, no service action required.

2875FFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

(2876) Reference codes

28761511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28761515

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28761521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28761525

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there

was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28763002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

28763109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

28767614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

28767624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

28767634**Explanation:**

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

28767644**Explanation:**

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

28768404**Explanation:**

System log entry only, no service action required.

2876FFF4**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

(2890) Reference codes

28900A17**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [MA_BRDG](#)
- [AJDG301](#)
- [AJDGP01](#)

28900A22**Explanation:**

Adapter card storage error.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOP](#)
- [MA_BRDG](#)

28901307**Explanation:**

I/O adapter resource not available.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)

28901310**Explanation:**

I/O adapter resource not available.

Response

The INS processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28903000**Explanation:**

An I/O adapter failure occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28903001**Explanation:**

I/O adapter Licensed Internal Code failed.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28903006**Explanation:**

An I/O adapter failure occurred.

Failing Item

- [IOP](#)
- [ANYBUS](#)

28903080

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)

28903081

Explanation:

I/O adapter error; logged only.

28903084

Explanation:

An I/O adapter failure occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [IOA](#)
- [MA_BRDG](#)

28903087

Explanation:

I/O adapter resource not available.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [NTUSER](#)
- [IOA](#)

28906070

Explanation:

An I/O adapter failure occurred.

Failing Item

- [IOP](#)

28906071

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)

28906072

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28906075

Explanation:

I/O adapter resource not available.

Failing Item

- [AJDGP01](#)

28906083

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28906085

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)

28906201

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28906202

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28906210

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

28906221

Explanation:

I/O processor resource not available.

Failing Item

- [AJDG301](#)

28906222

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28906223

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28906224

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [DISKIMG](#)
- [AJDGP01](#)
- [IOP](#)
- [MEMORY](#)

28906225

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOP](#)

28906226

Explanation:

I/O processor card detected device error.

Failing Item

- [AJDG301](#)
- [AS4NTDD](#)

28906227

Explanation:

A HostLAN error was detected.

Failing Item

- [NTUSER](#)
- [AJDGP01](#)
- [IOP](#)

28906228

Explanation:

Windows initiated a warm boot.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28906501

Explanation:

A Windows fatal error occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28906502

Explanation:

A Windows fatal error occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28906530

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [NTOPSYS](#)

28906531

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [AS4NTDD](#)
- [NTOPSYS](#)
- [AJDGP01](#)

28906532

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTOPSYS](#)
- [AJDGP01](#)
- [AS4NTDD](#)

28906533

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTOPSYS](#)
- [AS4NTDD](#)

28906534

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [AS4NTDD](#)
- [AJDGP01](#)
- [NTOPSYS](#)

28906535

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTDEVDR](#)
- [AJDGP01](#)

28906538

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [NTOPSYS](#)

28906539

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [AS4NTDD](#)
- [NTOPSYS](#)
- [AJDGP01](#)

2890653A

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTOPSYS](#)
- [AJDGP01](#)
- [AS4NTDD](#)

2890653B

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTOPSYS](#)
- [AS4NTDD](#)

2890653C

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [AS4NTDD](#)
- [AJDGP01](#)
- [NTOPSYS](#)

2890653D

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTDEVDR](#)

- [AJDGP01](#)

2890653F**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTDEVDR](#)
- [NTOPSYS](#)
- [AJDG301](#)

28906540**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [AJDGP01](#)
- [AJDG301](#)

28906541**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28906542**Explanation:**

Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)
- [AJDGP01](#)

28906543**Explanation:**

A Windows fatal error occurred.

Failing Item

- [NTOPSYS](#)
- [NTVSCSI](#)

28906580**Explanation:**

A Windows fatal error occurred.

Failing Item

- [DISKIMG](#)
- [IOP](#)
- [AJDGP01](#)

289065B0**Explanation:**

A HostLAN error was detected.

Failing Item

- [NTLANDD](#)
- [NTOPSYS](#)

289065B1**Explanation:**

A HostLAN error was detected.

Failing Item

- [NTLANDD](#)
- [NTOPSYS](#)
- [AJDG301](#)

289065B2**Explanation:**

A HostLAN error was detected.

Failing Item

- [NTDEVDR](#)
- [NTOPSYS](#)
- [AJDG301](#)

28908301**Explanation:**

An I/O adapter failure occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)

2890B3B1**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2890B3B2**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2890B3B3

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2890B3B4

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2890B3B5

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2890B3B6

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2890B3B7

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2890B3B8

Explanation:

Multi-adapter bridge error detected.

Failing Item

- [MA_BRDG](#)
- [IOP](#)

2890B3B9

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2890B3E0

Explanation:

I/O processor detected a fault condition.

Failing Item

- [IOP](#)
- [MA_BRDG](#)

2890B3E1

Explanation:

An I/O adapter failure occurred.

Failing Item

- [IOP](#)
- [MA_BRDG](#)

2890B4B0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOP](#)

2890B4B1

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOP](#)
- [MEMORY](#)

2890B4B2

Explanation:

Incompatible hardware detected.

Failing Item

- [IOP](#)

2890B4B3

Explanation:

Incompatible hardware detected.

Failing Item

- [IOA](#)

2890B4B4

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOP](#)
- [IOA](#)
- [MEMORY](#)

2890B4B5

Explanation:

An I/O adapter failure occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)

2890B4B8

Explanation:

Adapter card storage error.

Failing Item

- [MEMORY](#)
- [IOP](#)

2890B4B9

Explanation:

An I/O adapter failure occurred.

Failing Item

- [IOP](#)

2890B4BC

Explanation:

I/O adapter error; logged only.

Failing Item

- [IOP](#)
- [IOA](#)

2890B4BE

Explanation:

Adapter card storage error.

Failing Item

- [MEMORY](#)
- [IOP](#)

2890B904

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)

2890B935

Explanation:

Incompatible hardware detected.

Failing Item

- [IOA](#)
- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)

2890B960

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [IOA](#)

2890B961

Explanation:

An error was detected on one of the attached adapter cards.

Failing Item

- [IOA](#)
- [IOP](#)
- [AJDGP01](#)

2890BE00

Explanation:

An I/O adapter failure occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [IOA](#)
- [MA_BRDG](#)

(2892) Reference codes

28920A17

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [MA_BRDG](#)
- [AJDG301](#)
- [AJDGP01](#)

28920A22

Explanation:

Adapter card storage error.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOP](#)
- [MA_BRDG](#)

28921307

Explanation:

I/O adapter resource not available.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)

28921310

Explanation:

I/O adapter resource not available.

Response

The INS processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28921317

Explanation:

I/O processor card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates to replace hardware, then replace hardware. If the Failing Item indicates SVCDOCS, then do NOT replace hardware. This is a recoverable error. If the resource is not operable, use Hardware Service Manager to re-IPL the resource. Perform the VRYCFG command to Vary On the NWSD.

Failing Item

- [SVCDOCS](#)

28923000

Explanation:

An I/O adapter failure occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28923001

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28923006

Explanation:

An I/O adapter failure occurred.

Failing Item

- [IOP](#)
- [ANYBUS](#)

28923080

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)

28923081

Explanation:

I/O adapter error; logged only.

28923084

Explanation:

An I/O adapter failure occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [IOA](#)
- [MA_BRDG](#)

28923087

Explanation:

I/O adapter resource not available.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [NTUSER](#)
- [IOA](#)

28926070

Explanation:

An I/O adapter failure occurred.

Failing Item

- [IOP](#)

28926071

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)

28926072

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28926075

Explanation:

I/O adapter resource not available.

Failing Item

- [AJDGP01](#)

28926083

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28926085

Explanation:

I/O adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)

28926201

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28926202

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28926204

Explanation:

I/O adapter failure due to a thermal condition.

Failing Item

- [IOP](#)

28926210

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

28926221

Explanation:

I/O processor resource not available.

Failing Item

- [AJDG301](#)

28926222**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28926223**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28926224**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [DISKIMG](#)
- [AJDGP01](#)
- [IOP](#)
- [MEMORY](#)

28926225**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOP](#)

28926226**Explanation:**

I/O processor card detected device error.

Failing Item

- [AJDG301](#)
- [AS4NTDD](#)

28926227**Explanation:**

A HostLAN error was detected.

Failing Item

- [NTUSER](#)
- [AJDGP01](#)
- [IOP](#)

28926228**Explanation:**

Windows initiated a warm boot.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28926501**Explanation:**

A Windows fatal error occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28926502**Explanation:**

A Windows fatal error occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)

28926530**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [NTOPSYS](#)

28926531**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [AS4NTDD](#)
- [NTOPSYS](#)
- [AJDGP01](#)

28926532**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTOPSYS](#)
- [AJDGP01](#)
- [AS4NTDD](#)

28926533

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTOPSYS](#)
- [AS4NTDD](#)

28926534

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [AS4NTDD](#)
- [AJDGP01](#)
- [NTOPSYS](#)

28926535

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTDEVDR](#)
- [AJDGP01](#)

28926538

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [NTOPSYS](#)

28926539

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)

- [AS4NTDD](#)
- [NTOPSYS](#)
- [AJDGP01](#)

2892653A

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTOPSYS](#)
- [AJDGP01](#)
- [AS4NTDD](#)

2892653B

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTOPSYS](#)
- [AS4NTDD](#)

2892653C

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [AS4NTDD](#)
- [AJDGP01](#)
- [NTOPSYS](#)

2892653D

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTDEVDR](#)
- [AJDGP01](#)

2892653F

Explanation:

A Virtual SCSI error was detected.

Failing Item

- [NTDEVDR](#)
- [NTOPSYS](#)
- [AJDG301](#)

28926540**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [AJDGP01](#)
- [AJDG301](#)

28926541**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

28926542**Explanation:**

Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)
- [AJDGP01](#)

28926543**Explanation:**

A Windows fatal error occurred.

Failing Item

- [NTOPSYS](#)
- [NTVSCSI](#)

28926580**Explanation:**

A Windows fatal error occurred.

Failing Item

- [DISKIMG](#)
- [IOP](#)
- [AJDGP01](#)

289265B0**Explanation:**

A HostLAN error was detected.

Failing Item

- [NTLANDD](#)

- [NTOPSYS](#)

289265B1**Explanation:**

A HostLAN error was detected.

Failing Item

- [NTLANDD](#)
- [NTOPSYS](#)
- [AJDG301](#)

289265B2**Explanation:**

A HostLAN error was detected.

Failing Item

- [NTDEVDR](#)
- [NTOPSYS](#)
- [AJDG301](#)

28928301**Explanation:**

An I/O adapter failure occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)

2892B3B1**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2892B3B2**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2892B3B3**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2892B3B4

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2892B3B5**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2892B3B6**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2892B3B7**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2892B3B8**Explanation:**

Multi-adapter bridge error detected.

Failing Item

- [MA_BRDG](#)
- [IOP](#)

2892B3B9**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

2892B3E0**Explanation:**

I/O processor detected a fault condition.

Failing Item

- [IOP](#)
- [MA_BRDG](#)

2892B3E1**Explanation:**

An I/O adapter failure occurred.

Failing Item

- [IOP](#)
- [MA_BRDG](#)

2892B4B0**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOP](#)

2892B4B1**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOP](#)
- [MEMORY](#)

2892B4B2**Explanation:**

Incompatible hardware detected.

Failing Item

- [IOP](#)

2892B4B3**Explanation:**

Incompatible hardware detected.

Failing Item

- [IOA](#)

2892B4B4**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOP](#)
- [IOA](#)
- [MEMORY](#)

2892B4B5**Explanation:**

An I/O adapter failure occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)

2892B4B8

Explanation:

Adapter card storage error.

Failing Item

- [MEMORY](#)
- [IOP](#)

2892B4B9

Explanation:

An I/O adapter failure occurred.

Failing Item

- [IOP](#)

2892B4BC

Explanation:

I/O adapter error; logged only.

Failing Item

- [IOP](#)
- [IOA](#)

2892B4BE

Explanation:

Adapter card storage error.

Failing Item

- [MEMORY](#)
- [IOP](#)

2892B904

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)

- [IOP](#)

2892B935

Explanation:

Incompatible hardware detected.

Failing Item

- [IOA](#)
- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)

2892B960

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [IOA](#)

2892B961

Explanation:

An error was detected on one of the attached adapter cards.

Failing Item

- [IOA](#)
- [IOP](#)
- [AJDGP01](#)

2892BE00

Explanation:

An I/O adapter failure occurred.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [IOA](#)
- [MA_BRDG](#)

(28A6) Reference codes

28A61511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28A61515**Explanation:**

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28A61521**Explanation:**

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28A61525**Explanation:**

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28A63002**Explanation:**

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

28A63109**Explanation:**

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

28A67614**Explanation:**

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

28A67624**Explanation:**

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

28A67634**Explanation:**

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

28A67644**Explanation:**

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

28A68404**Explanation:**

System log entry only, no service action required.

(28A8) Reference codes

28A81511**Explanation:**

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28A81515**Explanation:**

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28A81521**Explanation:**

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28A6FFF4**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

28A81525**Explanation:**

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

28A83002**Explanation:**

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)

- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

28A83109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

28A87614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

28A87624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

(28B9) Reference codes

28B91511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

28B91515

Explanation:

A fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)

28A87634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

28A87644

Explanation:

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

28A88404

Explanation:

System log entry only, no service action required.

28A8FFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

-
- [DEVBPLN](#)

28B91521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

28B91525

Explanation:

A fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)

- [FI01106](#)
- [DEVBPLN](#)

28B93002

Explanation:

Addressed device backplane failed to respond to selection.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

28B93109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

28B97611

Explanation:

A fatal error occurred on redundant fan 1.

Failing Item

- [DISKFAN](#)

28B97614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

28B97621

Explanation:

A fatal error occurred on redundant fan 2.

Failing Item

- [DISKFAN](#)

(28CB) Reference codes

28CB1511

Explanation:

28B97624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

28B97631

Explanation:

A fatal error occurred on redundant fan 3.

Failing Item

- [DISKFAN](#)

28B97634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

28B98401

Explanation:

Removable media power fault.

Failing Item

- [DEVBPLN](#)

28B98404

Explanation:

System log entry only, no service action required.

28B9FFF4

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

28CB1515

Explanation:

A fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

28CB1521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

28CB1525

Explanation:

A fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

28CB3002

Explanation:

Addressed device backplane failed to respond to selection.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

28CB3109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

28CB7611

Explanation:

A fatal error occurred on redundant fan 1.

Failing Item

- [DISKFAN](#)

28CB7614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

28CB7621

Explanation:

A fatal error occurred on redundant fan 2.

Failing Item

- [DISKFAN](#)

28CB7624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

28CB7631

Explanation:

A fatal error occurred on redundant fan 3.

Failing Item

- [DISKFAN](#)

28CB7634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

28CB8401

Explanation:

Removable media power fault.

Failing Item

- [DEVBPLN](#)

28CB8404

Explanation:

System log entry only, no service action required.

28CBFFF4

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

(28CC) Reference codes

28CC1511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

28CC1515

Explanation:

A fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

28CC1521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

28CC1525

Explanation:

A fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

28CC3002

Explanation:

Addressed device backplane failed to respond to selection.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

28CC3109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

28CC7611

Explanation:

A fatal error occurred on redundant fan 1.

Failing Item

- [DISKFAN](#)

28CC7614**Explanation:**

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

28CC7621**Explanation:**

A fatal error occurred on redundant fan 2.

Failing Item

- [DISKFAN](#)

28CC7624**Explanation:**

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

28CC7631**Explanation:**

A fatal error occurred on redundant fan 3.

Failing Item

- [DISKFAN](#)

28CC7634**Explanation:**

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

28CC8401**Explanation:**

Removable media power fault.

Failing Item

- [DEVBPLN](#)

28CC8404**Explanation:**

System log entry only, no service action required.

28CCFFF4**Explanation:**

Device backplane problem.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

(293C) Reference codes

293C1511**Explanation:**

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

293C1515**Explanation:**

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not

interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

293C1521**Explanation:**

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

293C1525**Explanation:**

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

293C3002**Explanation:**

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

293C3109**Explanation:**

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)

- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

293C7614**Explanation:**

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

293C7624**Explanation:**

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

293C7634**Explanation:**

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

293C7644**Explanation:**

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

293C8404**Explanation:**

System log entry only, no service action required.

293CFFF4**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

(293D) Reference codes

293D1511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

293D1515

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

293D1521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

293D1525

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there

was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

293D3002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

293D3109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

293D7614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

293D7624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

293D7634**Explanation:**

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

293D7644**Explanation:**

A fatal error occurred on fan 4.

(297D) Reference codes

297D1511**Explanation:**

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

297D1515**Explanation:**

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

297D1521**Explanation:****Failing Item**

- [DISKFAN](#)

293D8404**Explanation:**

System log entry only, no service action required.

293DFFF4**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

297D1525**Explanation:**

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

297D3002**Explanation:**

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

297D3109**Explanation:**

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

297D7614**Explanation:**

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

297D7624**Explanation:**

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

297D7634**Explanation:**

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

297D7644**Explanation:**

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

297D8404**Explanation:**

System log entry only, no service action required.

297DFFF4**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

(2A39) Reference codes

2A391511**Explanation:**

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2A391515**Explanation:**

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)

- [DEVBPLN](#)
- [SASEXP](#)

2A391521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2A391525

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2A393002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)

- [STORIOA](#)
- [DEVBPLN](#)

2A393109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2A397614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

2A397624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

2A397634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

2A397644

Explanation:

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

2A398404

Explanation:

System log entry only, no service action required.

2A39FFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)

- [STORIOA](#)
- [DEVBPLN](#)

(2B09) Reference codes

2B093002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2B093109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2B098404

Explanation:

System log entry only, no service action required.

2B09FFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

(2B0F) Reference codes

2B0F3002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)

- [STORIOA](#)
- [DEVBPLN](#)

2B0F3109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2B0F8404

Explanation:

System log entry only, no service action required.

2B0FFFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)

(2B4C) Reference codes

2B4C1310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

2B4C3000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2B4C3020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP4150](#)

2B4C3100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP4150](#)

2B4C3140

Explanation:

System log entry only. No service action required.

2B4C3202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

Failing Item

- [SVCDOS](#)

2B4C3400

Explanation:

Unknown resource error.

Failing Item

- [SIP4150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

2B4C3401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

2B4C3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

2B4C34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

2B4C3601

Explanation:

System log entry only. No service action required.

2B4C4010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

2B4C4020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

2B4C4030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP4144](#)

2B4C4040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP4144](#)

2B4C4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

2B4C4050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

2B4C4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP4153](#)
- [SASCABL](#)
- [SASEXP](#)

2B4C4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

2B4C4070

Explanation:

System log entry only. No service action required.

2B4C4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP4152](#)
- [SASCABL](#)

- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

2B4C4101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP4152](#)

2B4C4110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

2B4C4150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

2B4C4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

2B4C70DD

Explanation:

Disrupt device command completed successfully.

2B4C8008

Explanation:

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

2B4C8009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

2B4C8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2B4C8130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4150](#)

2B4C8140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4150](#)

2B4C8141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

2B4C8145**Explanation:**

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

2B4C8146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

2B4C8150**Explanation:**

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2B4C8151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2B4C8155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2B4C8156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2B4C8157**Explanation:**

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager

to manually re-IPL the virtual I/O processor and Vary On attached resources.

- If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
- 3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

2B4C8300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue

with the next step. Otherwise this ends the procedure.

3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

2B4C8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2B4C8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

2B4C8400

Explanation:
Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

2B4C8404

Explanation:
System log entry only. No service action required.

2B4C9000

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2B4C9001

Explanation:
Device configuration error.

Failing Item

- [NEXTLVL](#)

2B4C9002

Explanation:
Device error.

Failing Item

- [NEXTLVL](#)

2B4C9008

Explanation:
I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

2B4C9010

Explanation:
Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

2B4C9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

2B4C9020

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2B4C9021

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2B4C9022

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2B4C9023

Explanation:
One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

2B4C9024

Explanation:
Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

2B4C9025

Explanation:
Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

2B4C9026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

2B4C9027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

2B4C9028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOS](#)

2B4C9029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

2B4C9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

2B4C9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

2B4C9032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

2B4C9040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

2B4C9041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

2B4C9042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

2B4C9050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

2B4C9051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

2B4C9052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

2B4C9054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

2B4C9055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

2B4C9070

Explanation:

System log entry only. No service action required.

2B4C9071

Explanation:

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

2B4C9072

Explanation:

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

2B4C9073

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP4140](#)

2B4C9074

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP4141](#)

2B4C9075

Explanation:

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP4149](#)

2B4C9076

Explanation:

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP4147](#)

2B4C9081

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2B4C9082

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2B4C9083

Explanation:
System log entry only. No service action required.

2B4C9084

Explanation:
System log entry only. No service action required.

2B4C9090

Explanation:
Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

2B4C9091

Explanation:
Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

2B4C9092

Explanation:
Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

2B4C9500

Explanation:
Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

2B4C9903

Explanation:
Tape device information was logged. Informational event, no service required.

2B4CC000

Explanation:
System log entry only. No service action required.

Response:
No action is required. This reference code is logged for information only.

2B4CC402

Explanation:
Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

2B4CFF3D

Explanation:

I/O adapter detected a recoverable error.

- [ANYBRDG](#)

Failing Item

- [STORIOA](#)

(2B56) Reference codes**2B56A001****Explanation:**

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

2B56B9B0**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

(2B57) Reference codes**2B57A001****Explanation:**

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

2B57B9B0**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

(2B5A) Reference codes**2B5A3002****Explanation:**

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2B5A3109**Explanation:**

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2B5A8404**Explanation:**

System log entry only, no service action required.

2B5AFFF4**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)

- [SASCABL](#)
- [STORIOA](#)

- [DEVBPLN](#)

(2B6C) Reference codes

2B6CB904

Explanation:

I/O Adapter Licensed Internal Code failed.

Failing Item

- [AJDGP01](#)
- [FI00719](#)

2B6CB934

Explanation:

Incompatible hardware detected.

Failing Item

- [FI00719](#)
- [FI00718](#)

2B6CB940

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

- [FI00718](#)

- [AJDGP01](#)

- [MA_BRDG](#)

2B6CB941

Explanation:

One half of I/O adapter failed.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)

2B6CB942

Explanation:

One half of I/O adapter failed.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [AJDGP01](#)

(2B74) Reference codes

2B74A001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

2B74B9B0

(2B93) Reference codes

2B933020

Explanation:

Configuration error on port 0.

Response:

Too many devices have been configured on port 0.
Change the configuration.

Failing Item

- [SVCDPCS](#)

2B933021

Explanation:

Configuration error on port 1.

Response:

Too many devices have been configured on port 1.
Change the configuration.

Failing Item

- [SVCDOS](#)

2B933100

Explanation:

Interface error on port 0.

2B933101

Explanation:

Interface error on port 1.

2B933120

Explanation:

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

2B933121

Explanation:

An open port was detected on port 1.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

2B933140

Explanation:

Port 0 is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

2B933141

Explanation:

Port 1 is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

2B933400

Explanation:

Device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

2B933405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

2B9334FF**Explanation:**

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

2B934150**Explanation:**

I/O adapter detected PCI bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [FCIOA](#)

2B938100**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

2B938130**Explanation:**

Recovered Fibre Channel interface error on port 0.

Response

No action required. This reference code is logged for information only.

2B938131**Explanation:**

Recovered Fibre Channel interface error on port 1.

Response:

No action required. This reference code is logged for information only.

2B938150**Explanation:**

A permanent I/O adapter failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

2B938151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

2B938300**Explanation:**

IOA hardware error or PCI bus error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)
- [OPT_CLN](#)

2B938301**Explanation:**

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)
- [OPT_CLN](#)

2B938302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [FCIOA](#)
- [OPT_CLN](#)

2B939500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

2B939903

Explanation:

Tape device information was logged. Informational event, no service required.

2B93A001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

2B93B000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

2B93B402

Explanation:

Licensed Internal Code error.

(2B9B) Reference codes

2B9B3020

Explanation:

Configuration error on port 0.

Response:

Too many devices have been configured on port 0. Change the configuration.

Failing Item

- [SVCDPCS](#)

2B9B3021

Explanation:

Configuration error on port 1.

Response:

Too many devices have been configured on port 1. Change the configuration.

Failing Item

- [SVCDPCS](#)

2B9B3100

Explanation:

Interface error on port 0.

Failing Item

- [PTFSRCH](#)

2B93B9B0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

2B93C000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

2B93C402

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

2B9B3101

Explanation:

Interface error on port 1.

2B9B3120

Explanation:

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

2B9B3121**Explanation:**

An open port was detected on port 1.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

2B9B3140**Explanation:**

Port 0 is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

2B9B3141**Explanation:**

Port 1 is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

2B9B3400**Explanation:**

Device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

2B9B3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

2B9B34FF**Explanation:**

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

2B9B4150**Explanation:**

I/O adapter detected PCI bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [FCIOA](#)

2B9B8100**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

2B9B8130**Explanation:**

Recovered Fibre Channel interface error on port 0.

Response

No action required. This reference code is logged for information only.

2B9B8131**Explanation:**

Recovered Fibre Channel interface error on port 1.

Response:

No action required. This reference code is logged for information only.

2B9B8150**Explanation:**

A permanent I/O adapter failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

2B9B8151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

2B9B8300**Explanation:**

IOA hardware error or PCI bus error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)
- [OPT_CLN](#)

2B9B8301**Explanation:**

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

- [OPT_CLN](#)

2B9B8302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDPCS](#)
- [FCIOA](#)
- [OPT_CLN](#)

2B9B9500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

2B9B9903**Explanation:**

Tape device information was logged. Informational event, no service required.

2B9BB000**Explanation:**

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

2B9BB402**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

2B9BC000**Explanation:**

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

2B9BC402**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

(2BBE) Reference codes

2BBE1511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2BBE1515

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2BBE1521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2BBE1525

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the

problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2BBE3002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2BBE3109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2BBE7614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

2BBE7624**Explanation:**

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

2BBE7634**Explanation:**

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

2BBE7644**(2BD6) Reference codes****2BD61511****Explanation:**

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2BD61515**Explanation:**

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)

Explanation:

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

2BBE8404**Explanation:**

System log entry only, no service action required.

2BBEFFF4**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

- [SASEXP](#)

2BD61521**Explanation:**

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2BD61525**Explanation:**

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)

- [DEVBPLN](#)
- [SASEXP](#)

2BD63002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2BD63109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2BD67614

Explanation:

A fatal error occurred on fan 1.

(2BD8) Reference codes

2BD81511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2BD81515

Failing Item

- [DISKFAN](#)

2BD67624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

2BD67634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

2BD67644

Explanation:

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

2BD68404

Explanation:

System log entry only, no service action required.

2BD6FFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time

then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2BD81521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2BD81525

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

2BD83002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002

problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2BD83109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2BD87614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

2BD87624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

2BD87634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

2BD87644

Explanation:

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

2BD88404

Explanation:

System log entry only, no service action required.

2BD8FFF4**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)

(2BD9) Reference codes

2BD91310**Explanation:**

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

2BD93000**Explanation:**

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2BD93020**Explanation:**

Storage subsystem configuration error.

Failing Item

- [SIP4150](#)

2BD93100**Explanation:**

Device bus interface error occurred.

Failing Item

- [SIP4150](#)

2BD93140**Explanation:**

System log entry only. No service action required.

2BD93202**Explanation:**

Storage subsystem configuration error.

Response:

- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDPCS](#)

2BD93400**Explanation:**

Unknown resource error.

Failing Item

- [SIP4150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

2BD93401**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

2BD93405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.

- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

2BD934FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

2BD93601

Explanation:

System log entry only. No service action required.

2BD94010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

2BD94020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

2BD94030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP4144](#)

2BD94040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP4144](#)

2BD94041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

2BD94050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

2BD94060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP4153](#)

- [SASCABL](#)

- [SASEXP](#)

2BD94061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

2BD94070

Explanation:

System log entry only. No service action required.

2BD94100

Explanation:

Device bus fabric error.

Failing Item

- [SIP4152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

2BD94101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP4152](#)

2BD94110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

2BD94150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

2BD94160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)

- [STORIOA](#)

2BD970DD

Explanation:

Disrupt device command completed successfully.

2BD98008

Explanation:

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

2BD98009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

2BD98100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BD98130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4150](#)

2BD98140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4150](#)

2BD98141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

2BD98145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

2BD98146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

2BD98150

Explanation:

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow

attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)

- [ANYBRDG](#)

2BD98151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

- [STORIOA](#)

2BD98155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)

- [STORIOA](#)

2BD98156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)

- [STORIOA](#)

2BD98157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.

- LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

2BD98300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or

an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.

2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

2BD98301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BD98302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

2BD98400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

2BD98404

Explanation:

System log entry only. No service action required.

2BD99000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2BD99001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

2BD99002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

2BD99008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

2BD99010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

2BD99011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

2BD99020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2BD99021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2BD99022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2BD99023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

2BD99024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

2BD99025**Explanation:**

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

2BD99026**Explanation:**

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

2BD99027**Explanation:**

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

2BD99028**Explanation:**

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOCS](#)

2BD99029**Explanation:**

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

2BD99030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

2BD99031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

2BD99032**Explanation:**

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

2BD99040**Explanation:**

Re-synchronization of array parity was initiated.

Response

No action required.

2BD99041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

2BD99042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

2BD99050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

2BD99051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

2BD99052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

2BD99054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

2BD99055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

2BD99070

Explanation:

System log entry only. No service action required.

2BD99071

Explanation:

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

2BD99072

Explanation:

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

2BD99073

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP4140](#)

2BD99074

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP4141](#)

2BD99075

Explanation:

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP4149](#)

2BD99076

Explanation:

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP4147](#)

2BD99081

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2BD99082

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2BD99083

Explanation:
System log entry only. No service action required.

2BD99084

Explanation:
System log entry only. No service action required.

2BD99090

Explanation:
Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

2BD99091

Explanation:
Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

2BD99092

Explanation:
Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

2BD99500

Explanation:
Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

2BD99903

Explanation:
Tape device information was logged. Informational event, no service required.

2BD9C000

Explanation:
System log entry only. No service action required.

Response:
No action is required. This reference code is logged for information only.

2BD9C402

Explanation:
Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

2BD9FF3D**Explanation:**

I/O adapter detected a recoverable error.

(2BE0) Reference codes

2BE01310**Explanation:**

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

2BE03000**Explanation:**

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2BE03020**Explanation:**

Storage subsystem configuration error.

Failing Item

- [SIP4150](#)

2BE03100**Explanation:**

Device bus interface error occurred.

Failing Item

- [SIP4150](#)

2BE03140**Explanation:**

System log entry only. No service action required.

2BE03202**Explanation:**

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

Failing Item

- [SVCDOS](#)

2BE03400**Explanation:**

Unknown resource error.

Failing Item

- [SIP4150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

2BE03401**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

2BE03405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

2BE034FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

2BE03601

Explanation:

System log entry only. No service action required.

2BE04010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

2BE04020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

2BE04030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP4144](#)

2BE04040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP4144](#)

2BE04041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

2BE04050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

2BE04060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP4153](#)
- [SASCABL](#)
- [SASEXP](#)

2BE04061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

2BE04070

Explanation:

System log entry only. No service action required.

2BE04100

Explanation:

Device bus fabric error.

Failing Item

- [SIP4152](#)
- [SASCABL](#)

- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

2BE04101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP4152](#)

2BE04110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

2BE04150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

2BE04160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

2BE070DD

Explanation:

Disrupt device command completed successfully.

2BE08008

Explanation:

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

2BE08009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

2BE08100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BE08130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4150](#)

2BE08140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4150](#)

2BE08141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

2BE08145**Explanation:**

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

2BE08146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

2BE08150**Explanation:**

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2BE08151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BE08155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BE08156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BE08157**Explanation:**

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager

to manually re-IPL the virtual I/O processor and Vary On attached resources.

- If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
- 3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

2BE08300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue

with the next step. Otherwise this ends the procedure.

3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

2BE08301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BE08302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

2BE08400

Explanation:
Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

2BE08404

Explanation:
System log entry only. No service action required.

2BE09000

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2BE09001

Explanation:
Device configuration error.

Failing Item

- [NEXTLVL](#)

2BE09002

Explanation:
Device error.

Failing Item

- [NEXTLVL](#)

2BE09008

Explanation:
I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

2BE09010

Explanation:
Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

2BE09011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

2BE09020

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2BE09021

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2BE09022

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2BE09023

Explanation:
One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

2BE09024

Explanation:
Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

2BE09025

Explanation:
Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

2BE09026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

2BE09027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

2BE09028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOS](#)

2BE09029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

2BE09030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

2BE09031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

2BE09032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

2BE09040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

2BE09041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

2BE09042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

2BE09050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

2BE09051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

2BE09052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

2BE09054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

2BE09055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

2BE09070

Explanation:

System log entry only. No service action required.

2BE09071

Explanation:

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

2BE09072

Explanation:

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

2BE09073

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP4140](#)

2BE09074

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP4141](#)

2BE09075

Explanation:

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP4149](#)

2BE09076

Explanation:

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP4147](#)

2BE09081

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2BE09082

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2BE09083

Explanation:
System log entry only. No service action required.

2BE09084

Explanation:
System log entry only. No service action required.

2BE09090

Explanation:
Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

2BE09091

Explanation:
Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

2BE09092

Explanation:
Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

2BE09500

Explanation:
Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

2BE09903

Explanation:
Tape device information was logged. Informational event, no service required.

2BE0C000

Explanation:
System log entry only. No service action required.

Response:
No action is required. This reference code is logged for information only.

2BE0C402

Explanation:
Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

2BE0FF3D

Explanation:

I/O adapter detected a recoverable error.

- [ANYBRDG](#)

Failing Item

- [STORIOA](#)

(2BE1) Reference codes**2BE11310****Explanation:**

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

2BE13000**Explanation:**

A permanent failure occurred.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.
- See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2BE13020**Explanation:**

Storage subsystem configuration error.

Failing Item

- [SIP4150](#)

2BE13100**Explanation:**

Device bus interface error occurred.

Failing Item

- [SIP4150](#)

2BE13140**Explanation:**

System log entry only. No service action required.

2BE13202**Explanation:**

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

2BE13400**Explanation:**

Unknown resource error.

Response

For card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

1. The embedded storage adapter on the I/O backplane.
2. The RAID enablement card.
3. The Battery charger and carrier card.
4. See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [SIP4150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

2BE13401**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

2BE13405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

2BE134FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

2BE13601**Explanation:**

System log entry only. No service action required.

2BE14010**Explanation:**

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

2BE14020**Explanation:**

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

2BE14030**Explanation:**

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP4144](#)

2BE14040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP4144](#)

2BE14041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

2BE14050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

2BE14060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP4153](#)
- [SASCABL](#)
- [SASEXP](#)

2BE14061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

2BE14070

Explanation:

System log entry only. No service action required.

2BE14100

Explanation:

Device bus fabric error.

Response

For card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

1. The embedded storage adapter on the I/O backplane.
2. The RAID enablement card.
3. The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [SIP4152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

2BE14101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP4152](#)

2BE14110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

2BE14150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

2BE14160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

2BE170DD

Explanation:

Disrupt device command completed successfully.

2BE18008

Explanation:

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

2BE18009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

2BE18100

Explanation:

Licensed Internal Code error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BE18130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4150](#)

2BE18140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4150](#)

2BE18141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

2BE18145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

2BE18146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

2BE18150

Explanation:

A permanent failure occurred.

Response

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2BE18151

Explanation:

Licensed Internal Code error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BE18155

Explanation:

A permanent failure occurred.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item

list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BE18156

Explanation:

A permanent failure occurred.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BE18157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.

2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

2BE18300

Explanation:

IOA hardware error or PCI bus error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

2BE18301

Explanation:

Not valid condition in Licensed Internal Code.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

2BE18302

Explanation:

Missing Licensed Internal Code.

Response

Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

2BE18400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

2BE18404

Explanation:

System log entry only. No service action required.

2BE19000

Explanation:
Device error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.
- See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2BE19001

Explanation:
Device configuration error.

Failing Item

- [NEXTLVL](#)

2BE19002

Explanation:
Device error.

Failing Item

- [NEXTLVL](#)

2BE19008

Explanation:
I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

2BE19010

Explanation:
Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

2BE19011

Explanation:
Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

2BE19020

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2BE19021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2BE19022**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

2BE19023**Explanation:**

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

2BE19024**Explanation:**

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

2BE19025**Explanation:**

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FIO2112](#)

2BE19026**Explanation:**

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

2BE19027**Explanation:**

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

2BE19028**Explanation:**

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOS](#)

2BE19029**Explanation:**

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

2BE19030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FIO2112](#)

2BE19031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

2BE19032**Explanation:**

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
 - [FI02112](#)
-

2BE19040**Explanation:**

Re-synchronization of array parity was initiated.

Response

No action required.

2BE19041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)
-

2BE19042**Explanation:**

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)
-

2BE19050**Explanation:**

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)
-

2BE19051**Explanation:**

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)
-

2BE19052**Explanation:**

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)
-

2BE19054**Explanation:**

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)
-

2BE19055**Explanation:**

Write cache data is available for attached storage IOA.

Response:

No service action required.

2BE19070**Explanation:**

System log entry only. No service action required.

2BE19071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

2BE19072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

2BE19073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP4140](#)

2BE19074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP4141](#)

2BE19075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP4149](#)

2BE19076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP4147](#)

2BE19081**Explanation:**

Device error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2BE19082**Explanation:**

Device error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [FI01105](#)
- [STORIOA](#)

2BE19083

Explanation:

System log entry only. No service action required.

2BE19084

Explanation:

System log entry only. No service action required.

2BE19090

Explanation:

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

2BE19091

Explanation:

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

2BE19092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

2BE19500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

2BE19903

Explanation:

Tape device information was logged. Informational event, no service required.

2BE1C000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

2BE1C402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

2BE1FF3D

Explanation:

I/O adapter detected a recoverable error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

(2BF3) Reference codes

2BF3A001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

2BF3B9B0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)

- [AJDG301](#)

(2BF4) Reference codes

2BF4A001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

2BF4B9B0

(2C4C) Reference codes

2C4CA001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

2C4CB9B0

(2C4D) Reference codes

2C4DA001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

2C4DB9B0

(2CE3) Reference codes

2CE3A001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

2CE3B9B0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

2CE3A6F6

Explanation:

I/O adapter Licensed Internal Code could not be updated. No service is required. This SRC is logged as informational.

(2CE4) Reference codes

2CE4A001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

2CE4A6F6

Explanation:

I/O adapter Licensed Internal Code could not be updated. No service is required. This SRC is logged as informational.

2CE4B9B0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

(2CEC) Reference codes

2CECA001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

2CECA6F6

Explanation:

I/O adapter Licensed Internal Code could not be updated. No service is required. This SRC is logged as informational.

2CECB9B0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

(2CF3) Reference codes

2CF3A001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

2CF3A6F6

Explanation:

I/O adapter Licensed Internal Code could not be updated. No service is required. This SRC is logged as informational.

2CF3B9B0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

(2CFA) Reference codes

2CFAA001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

2CFAA6F6

Explanation:

I/O adapter Licensed Internal Code could not be updated. No service is required. This SRC is logged as informational.

2CFAB9B0**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

(2CFB) Reference codes**2CFBA001****Explanation:**

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

2CFBA6F6**Explanation:**

I/O adapter Licensed Internal Code could not be updated. No service is required. This SRC is logged as informational.

2CFBB9B0**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

(2D34) Reference codes**2D343002****Explanation:**

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2D343109**Explanation:**

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2D348404**Explanation:**

System log entry only, no service action required.

2D34FFF4**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

(2D35) Reference codes**2D353002****Explanation:**

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2D353109

Explanation:

I/O adapter timed out a device backplane command.

(2D36) Reference codes

2D363002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2D363109

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2D358404

Explanation:

System log entry only, no service action required.

2D35FFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2D368404

Explanation:

System log entry only, no service action required.

2D36FFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

(2D3A) Reference codes

2D3A3002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2D3A3109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

2D3A8404

Explanation:

System log entry only, no service action required.

2D3AFFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

(3580) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

35803000

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI01112](#)

35803202

Explanation:

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)

35803400

Explanation:

Device error has occurred.

Failing Item

- [FI00872](#)
- [DEVTERM](#)
- [FI00871](#)
- [FI01103](#)
- [FI01106](#)

35809020

Explanation:

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.
- A tape or tape library device is being virtualized multiple times to the same client partition.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)
- [PTFSRCH](#)

35809100

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.

2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

35809101

Explanation:

Fibre Channel interface error detected.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FCIOA](#)
- [FCDEV](#)
- [FCCABLE](#)

35809102

Explanation:

Gateway device detected a SCSI interface error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FI00871](#)
- [FCGATE](#)
- [FI00872](#)
- [DEVTERM](#)

35809103

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [SASCABL](#)

35809104

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [USB_DEV](#)

- [USB_IOA](#)
- [USB_CBL](#)

35809105

Explanation:

Interface error detected by system or by tape unit.

Response

Do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Make sure that the network is properly configured and there is a connection to the device.

Failing Item

- [VTLNTWK](#)
- [FI00871](#)

35809200

Explanation:

Tape unit is not responding.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

35809201

Explanation:

Tape unit command timeout.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.
5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)
- [MEDIA](#)

35809202

Explanation:

Tape unit failed after Licensed Internal Code was loaded.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

35809210

Explanation:

Illegal or unsupported tape unit response.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [PTFSRCH](#)

35809211

Explanation:

Gateway device detected a bus protocol error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)
- [FCIOA](#)
- [FI00871](#)
- [ANYFC](#)
- [FCCABLE](#)
- [FI00872](#)
- [DEVTERM](#)

35809220

Explanation:

Hardware configuration change detected.

Response

The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

35809221

Explanation:

I/O path change occurred.

Response

No action required. This reference code is logged for information only.

35809300**Explanation:**

Tape unit failure.

Failing Item

- [FI00871](#)

35809301**Explanation:**

Tape device failure, redundancy lost.

Response

The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item

- [FI00871](#)

35809302**Explanation:**

Tape device failure or media error.

Response

The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item

- [MEDIA](#)
- [FI00871](#)

35809303**Explanation:**

Gateway device failure.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)

35809304**Explanation:**

Tape unit failure.

Response

Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.
2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item

- [USER](#)
- [FI00871](#)

35809310**Explanation:**

Licensed Internal Code for the tape unit is not correct.

Failing Item

- [PTFSRCH](#)
- [FI00871](#)

35809320**Explanation:**

Tape device Licensed Internal Code failure.

Failing Item

- [FI00130](#)
- [FI00871](#)

35809321**Explanation:**

Gateway device Licensed Internal Code error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCCODE](#)

35809350**Explanation:**

Tape unit detected a read or write error on tape medium.

Response

A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

35809351

Explanation:

Tape with excessive error rate was mounted in tape device.

Response

The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

35809355

Explanation:

The data format is incorrect; the tape cannot be read.

Response

The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item

- [USER](#)
- [MEDIA](#)
- [TAPCLN](#)

- [FI00871](#)

35809500

Explanation:

Licensed Internal Code error.

Response

If the system is operational, perform a dump of the I/O processor data. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

35809501

Explanation:

Licensed Internal Code error.

Response

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

35809800

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35809801

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35809802**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35809803**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35809804**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35809805**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35809806**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35809807**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35809810**Explanation:**

Problem analysis has determined a part should be replaced.

Response

This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only.)

35809899**Explanation:**

Problem analysis completed, the problem has been corrected.

Response

This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

35809900**Explanation:**

Licensed Internal Code for tape unit was not upgraded.

Response

The I/O processor loading of Licensed Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform [TUPIPO4](#) to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item

- [USER](#)

35809901**Explanation:**

Tape performance statistics logged.

Response

No action required. This reference code is logged for information only.

35809902**Explanation:**

An IOP dump was initiated.

Response:

No action required.

35809903**Explanation:**

Tape device information logged.

Response

No action required. This reference code is logged for information only. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

3580FFF6**Explanation:**

Tape volume statistics logged (no action required).

(3592) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

35923000**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [FI01112](#)

35923202**Explanation:**

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item

- [TAPCNFG](#)

- [FI00871](#)

35923400**Explanation:**

Device error has occurred.

Failing Item

- [FI00872](#)
- [DEVTERM](#)
- [FI00871](#)
- [FI01103](#)
- [FI01106](#)

35929020**Explanation:**

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.
- A tape or tape library device is being virtualized multiple times to the same client partition.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)
- [PTFSRCH](#)

35929100

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

35929101

Explanation:

Fibre Channel interface error detected.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FCIOA](#)
- [FCDEV](#)
- [FCCABLE](#)

35929102

Explanation:

Gateway device detected a SCSI interface error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FI00871](#)
- [FCGATE](#)
- [FI00872](#)
- [DEVTERM](#)

35929103

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [SASCABL](#)

35929104

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)
- [USB_CBL](#)

35929105

Explanation:

Interface error detected by system or by tape unit.

Response

Do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Make sure that the network is properly configured and there is a connection to the device.

Failing Item

- [VTLNTWK](#)
- [FI00871](#)

35929200

Explanation:

Tape unit is not responding.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

35929201

Explanation:

Tape unit command timeout.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.
5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [FI00871](#)

- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)
- [MEDIA](#)

35929202

Explanation:

Tape unit failed after Licensed Internal Code was loaded.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

35929210

Explanation:

Illegal or unsupported tape unit response.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [PTFSRCH](#)

35929211

Explanation:

Gateway device detected a bus protocol error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)
- [FCIOA](#)
- [FI00871](#)
- [ANYFC](#)
- [FCCABLE](#)
- [FI00872](#)
- [DEVTERM](#)

35929220

Explanation:

Hardware configuration change detected.

Response

The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

35929221

Explanation:

I/O path change occurred.

Response

No action required. This reference code is logged for information only.

35929300

Explanation:

Tape unit failure.

Failing Item

- [FI00871](#)

35929301

Explanation:

Tape device failure, redundancy lost.

Response

The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item

- [FI00871](#)

35929302

Explanation:

Tape device failure or media error.

Response

The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item

- [MEDIA](#)
- [FI00871](#)

35929303

Explanation:

Gateway device failure.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)

35929304

Explanation:

Tape unit failure.

Response

Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.
2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item

- [USER](#)
- [FI00871](#)

35929310

Explanation:

Licensed Internal Code for the tape unit is not correct.

Failing Item

- [PTFSRCH](#)
- [FI00871](#)

35929320

Explanation:

Tape device Licensed Internal Code failure.

Failing Item

- [FI00130](#)
- [FI00871](#)

35929321

Explanation:

Gateway device Licensed Internal Code error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCCODE](#)

35929350

Explanation:

Tape unit detected a read or write error on tape medium.

Response

A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

35929351

Explanation:

Tape with excessive error rate was mounted in tape device.

Response

The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

35929355

Explanation:

The data format is incorrect; the tape cannot be read.

Response

The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item

- [USER](#)
- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

35929500

Explanation:

Licensed Internal Code error.

Response

If the system is operational, perform a dump of the I/O processor data. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

35929501

Explanation:

Licensed Internal Code error.

Response

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

35929800

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35929801

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35929802

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35929803

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35929804

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35929805

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35929806

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35929807

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

35929810

Explanation:

Problem analysis has determined a part should be replaced.

Response

This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only.)

35929899

Explanation:

Problem analysis completed, the problem has been corrected.

Response

This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

35929900

Explanation:

Licensed Internal Code for tape unit was not upgraded.

Response

The I/O processor loading of Licensed Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform [TUPIP04](#) to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item

- [USER](#)

35929901

Explanation:

Tape performance statistics logged.

Response

No action required. This reference code is logged for information only.

35929902

Explanation:

An IOP dump was initiated.

Response:

No action required.

35929903

Explanation:

Tape device information logged.

Response

No action required. This reference code is logged for information only. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

3592FFF6

Explanation:

Tape volume statistics logged (no action required).

(4320) Reference codes

4320102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

43203002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

43203010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

43203020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

43203029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

43203100

Explanation:

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43203109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43203110

Explanation:

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

43203130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

43203131

Explanation:

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDOS](#)

43207000

Explanation:

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

43207001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

43207003

Explanation:

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

43207004

Explanation:

System log entry only. No service action required.

432070DD

Explanation:

System log entry only, no service action required.

4320FFF2

Explanation:

Disk motor problem.

Failing Item

- [DISKDRV](#)

4320FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

4320FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

4320FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4320FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4320FFF7

Explanation:

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

4320FFF8

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4320FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

(4322) Reference codes

4322102E

Explanation:

Out of alternate sectors for disk storage.

4320FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

4320FFFB

Explanation:

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

4320FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

Failing Item

- [DISKDRV](#)

43223002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

43223010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

43223020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

43223029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

43223100

Explanation:

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)

- [FI01106](#)
- [FI01140](#)

43223109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43223110

Explanation:

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

43223130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

43223131

Explanation:

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

43227000

Explanation:

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

43227001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

43227003

Explanation:

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

43227004

Explanation:

System log entry only. No service action required.

432270DD

Explanation:

System log entry only, no service action required.

4322FFF2

Explanation:

Disk motor problem.

Failing Item

- [DISKDRV](#)

4322FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

4322FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

4322FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4322FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4322FFF7

Explanation:

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

4322FFF8

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4322FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4322FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

4322FFFB

Explanation:

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

4322FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

(4323) Reference codes

4323102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

43233002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

43233010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

43233020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

43233029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

43233100**Explanation:**

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43233109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43233110**Explanation:**

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)

- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

43233130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

43233131**Explanation:**

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

43237000**Explanation:**

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

43237001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

43237003

Explanation:

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

43237004

Explanation:

System log entry only. No service action required.

432370DD

Explanation:

System log entry only, no service action required.

4323FFF2

Explanation:

Disk motor problem.

Failing Item

- [DISKDRV](#)

4323FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

4323FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

4323FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4323FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4323FFF7

Explanation:

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

4323FFF8

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4323FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4323FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

4323FFFB

Explanation:

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

4323FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

(4325) Reference codes

4325102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

43253002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

43253010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

43253020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

43253029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

43253100

Explanation:

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43253109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43253110

Explanation:

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

43253130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

43253131

Explanation:

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

43257000

Explanation:

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

43257001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

43257003

Explanation:

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

43257004

Explanation:

System log entry only. No service action required.

432570DD**Explanation:**

System log entry only, no service action required.

4325FFF2**Explanation:**

Disk motor problem.

Failing Item

- [DISKDRV](#)

4325FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

4325FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

4325FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4325FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4325FFF7**Explanation:**

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

4325FFF8**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4325FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4325FFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

4325FFFB

Explanation:

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

4325FFFE

Explanation:

Temporary disk bus error.

(4326) Reference codes

4326102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

43263002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

43263010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

43263020

Explanation:

Storage subsystem configuration error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

43263029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

43263100

Explanation:

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43263109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43263110

Explanation:

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

43263130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

43263131

Explanation:

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDOS](#)

43267000

Explanation:

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

43267001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

43267003

Explanation:

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

43267004

Explanation:

System log entry only. No service action required.

432670DD

Explanation:

System log entry only, no service action required.

4326FFF2

Explanation:

Disk motor problem.

Failing Item

- [DISKDRV](#)

4326FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

4326FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

4326FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4326FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4326FFF7**Explanation:**

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

4326FFF8**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4326FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4326FFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

4326FFFB**Explanation:**

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

4326FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [FI01106](#)
- [FI01140](#)

(4327) Reference codes

4327102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

43273002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

43273010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

43273020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

43273029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

43273100

Explanation:

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43273109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43273110

Explanation:

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

43273130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

43273131

Explanation:

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDOS](#)

43277000

Explanation:

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

43277001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

43277003

Explanation:

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

43277004

Explanation:

System log entry only. No service action required.

432770DD

Explanation:

System log entry only, no service action required.

4327FFF2

Explanation:

Disk motor problem.

Failing Item

- [DISKDRV](#)

4327FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

4327FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

4327FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4327FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4327FFF7**Explanation:**

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

4327FFF8**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4327FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4327FFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

4327FFFB**Explanation:**

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

4327FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

(4328) Reference codes

4328102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

43283002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

43283010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

43283020**Explanation:**

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

43283029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

43283100**Explanation:**

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43283109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43283110**Explanation:**

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

43283130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

43283131**Explanation:**

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

43287000**Explanation:**

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

43287001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

43287003**Explanation:**

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

43287004**Explanation:**

System log entry only. No service action required.

432870DD**Explanation:**

System log entry only, no service action required.

4328FFF2**Explanation:**

Disk motor problem.

Failing Item

- [DISKDRV](#)

4328FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

4328FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

4328FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4328FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4328FFF7**Explanation:**

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

4328FFF8

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4328FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4328FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

4328FFFB

Explanation:

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

4328FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

(4329) Reference codes

4329102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

43293002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

43293010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

43293020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

43293029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

43293100**Explanation:**

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43293109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

43293110**Explanation:**

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)

- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

43293130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

43293131**Explanation:**

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

43297000**Explanation:**

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

43297001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

43297003

Explanation:

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

43297004

Explanation:

System log entry only. No service action required.

432970DD

Explanation:

System log entry only, no service action required.

4329FFF2

Explanation:

Disk motor problem.

Failing Item

- [DISKDRV](#)

4329FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

4329FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

4329FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4329FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4329FFF7

Explanation:

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

4329FFF8

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4329FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

4329FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

4329FFFB

Explanation:

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

4329FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

(433B) Reference codes

433B102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

433B3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

433B3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433B3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

433B3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

433B3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433B3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433B310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

433B310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

433B3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433B3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

433B34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

433B4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

433B4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

433B4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

433B4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

433B7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

433B7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433B70DD

Explanation:

System log entry only, no service action required.

433BFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

433BFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

433BFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433BFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433BFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433BFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433BFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433BFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

433BFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)

(433C) Reference codes

433C102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

433C3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

433C3010

- [STORIOA](#)

433BFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

433BFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433C3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

433C3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

433C3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433C3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433C310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

433C310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

433C3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433C3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

433C34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

433C4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

433C4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

433C4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

433C4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

433C7000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

433C7001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433C70DD**Explanation:**

System log entry only, no service action required.

433CFFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

433CFFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

433CFFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433CFFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433CFFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433CFFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433CFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433CFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

433CFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

(433D) Reference codes

433D102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

433D3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

433CFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

433CFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [DEVBPLN](#)

- [SASCABL](#)

- [SASEXP](#)

433D3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433D3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

433D3029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

433D3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433D3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433D310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

433D310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

433D3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433D3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

433D34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

433D4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

433D4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

433D4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

433D4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

433D7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

433D7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433D70DD

Explanation:

System log entry only, no service action required.

433DFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

433DFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

433DFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433DFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433DFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433DFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

433DFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

433DFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

433DFFFC

Explanation:

Soft device bus error.

Response:

(4758) Reference codes

4758B990

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [FI00130](#)
- [IOP](#)
- [MA_BRDG](#)

4758B991

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

433DFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

433DFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Tampering of cryptographic card suspected.

Failing Item

- [IOA](#)
- [FI00130](#)
- [IOP](#)

4758B992

Explanation:

Operating voltage and/or temperature range limits exceeded.

Response:

Correct any conditions in the physical environment which may have caused the voltage and/or temperature out-of-range error on the 4758 adapter card. After the conditions have been corrected, vary off and then vary back on the 4758 device description associated with the 4758 adapter card.

(4764) Reference codes

4764B990**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

4764B991**Explanation:**

Tampering of cryptographic card suspected.

Failing Item

- [IOA](#)
- [AJDG301](#)

(4765) Reference codes

4765B990**Explanation:**

I/O adapter hardware error detected.

Response:

If the secondary code for this error is F0F08038 do not work the failing item list unless you are directed to by your next level of support. This ends the procedure.

Problem determination

Perform the following steps:

1. Go to SST/DST.
2. View this error in the Product Activity Log (PAL) or the Service Action Log (SAL) under Hardware Service Manager.
3. Is the secondary code F0F08038?
 - No - There is no additional problem determination. This ends the procedure.
 - Yes - Certain cryptographic coprocessor cards of type 4765 may not function correctly in certain I/O enclosures. In order to avoid intermittent errors Licensed Internal Code (LIC) prevents an affected 4765 card from being used when it is

Failing Item

- [CARDTMP](#)

4764B992**Explanation:**

Operating voltage and/or temperature range limits exceeded.

Response:

Correct any conditions in the physical environment which may have caused the voltage and/or temperature out-of-range error on the 4764 / 4765 adapter card. After the conditions have been corrected, vary off and then vary back on the 4764 / 4765 device description associated with the 4764 / 4765 adapter card.

Failing Item

- [CARDTMP](#)

installed in an I/O enclosure where it may not function correctly. This PAL entry was made with SRC 4765B990 and secondary code F0F08038 because LIC detected that the card may not function correctly in the I/O enclosure it is installed in. The location code of the 4765 card will be listed in the SAL. If you see this error contact IBM customer support to resolve this issue. This ends the procedure.

Failing Item

- [IOA](#)
- [AJDG301](#)

4765B991**Explanation:**

Tampering of cryptographic card suspected.

Failing Item

- [IOA](#)
- [AJDG301](#)

4765B992

Explanation:

Operating voltage and/or temperature range limits exceeded.

Response:

Correct any conditions in the physical environment which may have caused the voltage and/or temperature out-of-range error on the 4764 / 4765 adapter card. After the conditions have been

corrected, vary off and then vary back on the 4764 / 4765 device description associated with the 4764 / 4765 adapter card.

Failing Item

- [CARDTMP](#)

(4812) Reference codes

48126201**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)
- [FI00730](#)

48126202**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [FI00730](#)
- [IOA](#)

48126204**Explanation:**

I/O adapter failure due to a thermal condition.

Failing Item

- [IOA](#)

48126210**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [FI00730](#)

48126221**Explanation:**

I/O processor resource not available.

Failing Item

- [AJDG301](#)
- [DISKIMG](#)

48126222**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [FI00730](#)
- [IOA](#)

48126223**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)
- [FI00730](#)

48126225**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [FI00730](#)
- [AJDG301](#)
- [IOA](#)

48126226**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [AJDG301](#)
- [AS4NTDD](#)
- [FI00584](#)

48126227**Explanation:**

Windows initiated a warm boot.

Failing Item

- [NTUSER](#)

- [FI00730](#)
- [IOA](#)

48126228**Explanation:**

Windows initiated a warm boot.

Failing Item

- [FI00730](#)
- [IOA](#)

48126501**Explanation:**

A Windows fatal error occurred.

Failing Item

- [IOA](#)
- [FI00730](#)

48126502**Explanation:**

A Windows fatal error occurred.

Failing Item

- [FI00730](#)
- [IOA](#)

48126530**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [NTOPSYS](#)

48126531**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [AS4NTDD](#)
- [NTOPSYS](#)
- [FI00730](#)

48126532**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTOPSYS](#)
- [FI00730](#)
- [AS4NTDD](#)

48126533**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTOPSYS](#)
- [AS4NTDD](#)

48126534**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [AS4NTDD](#)
- [FI00730](#)
- [NTOPSYS](#)

48126535**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTDEVDR](#)
- [FI00730](#)

48126538**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [NTOPSYS](#)

48126539**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [AS4NTDD](#)
- [NTOPSYS](#)

- [FI00730](#)

4812653A**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTOPSYS](#)
- [FI00730](#)
- [AS4NTDD](#)

4812653B**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTOPSYS](#)
- [AS4NTDD](#)

4812653C**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [AS4NTDD](#)
- [FI00730](#)
- [NTOPSYS](#)

4812653D**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTUSER](#)
- [NTDEVDR](#)
- [FI00730](#)

4812653F**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTDEVDR](#)
- [NTOPSYS](#)
- [AJDG301](#)

48126540**Explanation:**

A Virtual SCSI error was detected.

Failing Item

- [NTVSCSI](#)
- [FI00730](#)
- [AJDG301](#)

48126541**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOA](#)
- [FI00730](#)

48126542**Explanation:**

Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)
- [FI00730](#)

48126543**Explanation:**

A Windows fatal error occurred.

Failing Item

- [NTOPSYS](#)
- [NTVSCSI](#)

48126580**Explanation:**

A Windows fatal error occurred.

Failing Item

- [NTOPSYS](#)
- [NTVSCSI](#)
- [DISKIMG](#)
- [IOA](#)
- [FI00730](#)

4812B4B0**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOA](#)

4812B4B1**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [MEMORY](#)

4812B4B4**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [MEMORY](#)

4812B4B5**Explanation:**

An I/O adapter failure occurred.

Failing Item

- [FI00730](#)
- [IOA](#)

4812B4B8**Explanation:**

Adapter card storage error.

Failing Item

- [MEMORY](#)
- [IOA](#)

4812B4B9**Explanation:**

An I/O adapter failure occurred.

(506D) Reference codes

506D1511**Explanation:**

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

506D1515**Failing Item**

- [IOA](#)

4812B4BC**Explanation:**

I/O adapter error; logged only.

Failing Item

- [IOA](#)

4812B4BE**Explanation:**

Adapter card storage error.

Failing Item

- [MEMORY](#)
- [IOA](#)

4812B904**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [FI00730](#)
- [IOA](#)

4812B960**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [FI00730](#)
- [IOP](#)

Explanation:

A fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

506D1521**Explanation:**

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

506D1525

Explanation:

A fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

506D3002

Explanation:

Addressed device backplane failed to respond to selection.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

506D3109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

506D7611

Explanation:

A fatal error occurred on redundant fan 1.

Failing Item

- [DISKFAN](#)

506D7614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

506D7621

Explanation:

A fatal error occurred on redundant fan 2.

Failing Item

- [DISKFAN](#)

506D7624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

506D7631

Explanation:

A fatal error occurred on redundant fan 3.

Failing Item

- [DISKFAN](#)

506D7634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

506D8401

Explanation:

Removable media power fault.

Failing Item

- [DEVBPLN](#)

506D8404

Explanation:

System log entry only, no service action required.

506DFFF4

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)

- [STORIOA](#)
- [FI01140](#)

- [FI01106](#)

(506E) Reference codes

506E1511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

506E1515

Explanation:

A fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

506E1521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

506E1525

Explanation:

A fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DISKFAN](#)
- [FI01106](#)
- [DEVBPLN](#)

506E3002

Explanation:

Addressed device backplane failed to respond to selection.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

506E3109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

506E7611

Explanation:

A fatal error occurred on redundant fan 1.

Failing Item

- [DISKFAN](#)

506E7614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

506E7621

Explanation:

A fatal error occurred on redundant fan 2.

Failing Item

- [DISKFAN](#)

506E7624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

506E7631

Explanation:

A fatal error occurred on redundant fan 3.

Failing Item

- [DISKFAN](#)

506E7634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

506E8401

Explanation:

Removable media power fault.

Failing Item

- [DEVBPLN](#)

506E8404

Explanation:

System log entry only, no service action required.

506EFFF4

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01106](#)

(509A) Reference codes

509A1511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

509A1515

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

509A1521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

509A1525

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

509A3002**Explanation:**

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

509A3109**Explanation:**

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

509A7613**Explanation:**

Fan 1 has failed or is operating below optimum. Enough redundant cooling capacity remains in the I/O enclosure to avoid an over temperature condition. The fan should be replaced at the customer's earliest convenience.

Failing Item

- [DISKFAN](#)

509A7614**Explanation:**

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

509A7623**Explanation:**

Fan 2 has failed or is operating below optimum. Enough redundant cooling capacity remains in the I/O enclosure to avoid an over temperature condition. The fan should be replaced at the customer's earliest convenience.

Failing Item

- [DISKFAN](#)

509A7624**Explanation:**

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

509A7633**Explanation:**

Fan 3 has failed or is operating below optimum. Enough redundant cooling capacity remains in the I/O enclosure to avoid an over temperature condition. The fan should be replaced at the customer's earliest convenience.

Failing Item

- [DISKFAN](#)

509A7634**Explanation:**

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

509A7643**Explanation:**

Fan 4 has failed or is operating below optimum. Enough redundant cooling capacity remains in the I/O enclosure to avoid an over temperature condition. The fan should be replaced at the customer's earliest convenience.

Failing Item

- [DISKFAN](#)

509A7644**Explanation:**

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

509A8404

Explanation:

System log entry only, no service action required.

509AFF4

Explanation:

(509D) Reference codes

509D1511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [SASEXP](#)

509D1515

Explanation:

A fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [SASEXP](#)

509D3002

Explanation:

Addressed device backplane failed to respond to selection.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)

509D3109

(50A4) Reference codes

50A41511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)

509D7614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

509D8404

Explanation:

System log entry only, no service action required.

509DFFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)

50A41515

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify

that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

50A41521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

50A41525

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

50A43002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a

reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

50A43109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

50A47614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

50A47624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

50A47634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

50A47644

Explanation:

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

50A48404

Explanation:

System log entry only, no service action required.

50A4FFF4**Explanation:**

Device backplane problem.

(50AD) Reference codes

50AD1511**Explanation:**

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

50AD1515**Explanation:**

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

50AD1521**Explanation:**

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

50AD1525**Explanation:**

A fatal error occurred on power supply 2.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

50AD3002**Explanation:**

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

50AD3109**Explanation:**

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

50AD7614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

50AD7624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

50AD7634

Explanation:

A fatal error occurred on fan 3.

(50B1) Reference codes

50B11511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

50B11515

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKFAN](#)

50AD7644

Explanation:

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

50AD8404

Explanation:

System log entry only, no service action required.

50ADFFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

50B11521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

50B11525

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not

interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

50B13002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

50B13109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

50B17604

Explanation:

A fatal error occurred on fan 16.

Failing Item

- [DISKFAN](#)

50B17614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

50B17624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

50B17634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

50B17644

Explanation:

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

50B17654

Explanation:

A fatal error occurred on fan 5.

Failing Item

- [DISKFAN](#)

50B17664

Explanation:

A fatal error occurred on fan 6.

Failing Item

- [DISKFAN](#)

50B17674

Explanation:

A fatal error occurred on fan 7.

Failing Item

- [DISKFAN](#)

50B17684

Explanation:

A fatal error occurred on fan 8.

Failing Item

- [DISKFAN](#)

50B17694

Explanation:

A fatal error occurred on fan 9.

Failing Item

- [DISKFAN](#)

50B176A4

Explanation:

A fatal error occurred on fan 10.

Failing Item

- [DISKFAN](#)

50B176B4

Explanation:

A fatal error occurred on fan 11.

Failing Item

- [DISKFAN](#)

50B176C4

Explanation:

A fatal error occurred on fan 12.

Failing Item

- [DISKFAN](#)

50B176D4

Explanation:

A fatal error occurred on fan 13.

Failing Item

- [DISKFAN](#)

50B176E4

Explanation:

A fatal error occurred on fan 14.

Failing Item

- [DISKFAN](#)

50B176F4

Explanation:

A fatal error occurred on fan 15.

Failing Item

- [DISKFAN](#)

50B18404

Explanation:

System log entry only, no service action required.

50B1FFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

(5619) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

56193000**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [FI01112](#)

56193202**Explanation:**

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)

56193400**Explanation:**

Device error has occurred.

Failing Item

- [FI00872](#)
- [DEVTERM](#)
- [FI00871](#)
- [FI01103](#)
- [FI01106](#)

56199020**Explanation:**

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.
- A tape or tape library device is being virtualized multiple times to the same client partition.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)
- [PTFSRCH](#)

56199100**Explanation:**

Interface error detected by system or by tape unit.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

56199101**Explanation:**

Fibre Channel interface error detected.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.

5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FCIOA](#)
- [FCDEV](#)
- [FCCABLE](#)

56199102

Explanation:

Gateway device detected a SCSI interface error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FI00871](#)
- [FCGATE](#)
- [FI00872](#)
- [DEVTERM](#)

56199103

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [SASCABL](#)

56199104

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)
- [USB_CBL](#)

56199105

Explanation:

Interface error detected by system or by tape unit.

Response

Do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Make sure that the network is properly configured and there is a connection to the device.

Failing Item

- [VTLNTWK](#)
- [FI00871](#)

56199200

Explanation:

Tape unit is not responding.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

56199201

Explanation:

Tape unit command timeout.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.
5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)
- [MEDIA](#)

56199202

Explanation:

Tape unit failed after Licensed Internal Code was loaded.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

56199210

Explanation:

Illegal or unsupported tape unit response.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [PTFSRCH](#)

56199211

Explanation:

Gateway device detected a bus protocol error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)
- [FCIOA](#)
- [FI00871](#)
- [ANYFC](#)
- [FCCABLE](#)
- [FI00872](#)

- [DEVTERM](#)

56199220**Explanation:**

Hardware configuration change detected.

Response

The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

56199221**Explanation:**

I/O path change occurred.

Response

No action required. This reference code is logged for information only.

56199300**Explanation:**

Tape unit failure.

Failing Item

- [FI00871](#)

56199301**Explanation:**

Tape device failure, redundancy lost.

Response

The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item

- [FI00871](#)

56199302**Explanation:**

Tape device failure or media error.

Response

The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item

- [MEDIA](#)
- [FI00871](#)

56199303**Explanation:**

Gateway device failure.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)

56199304**Explanation:**

Tape unit failure.

Response

Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.
2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item

- [USER](#)
- [FI00871](#)

56199310**Explanation:**

Licensed Internal Code for the tape unit is not correct.

Failing Item

- [PTFSRCH](#)
- [FI00871](#)

56199320**Explanation:**

Tape device Licensed Internal Code failure.

Failing Item

- [FI00130](#)
- [FI00871](#)

56199321**Explanation:**

Gateway device Licensed Internal Code error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCCODE](#)

56199350

Explanation:

Tape unit detected a read or write error on tape medium.

Response

A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

56199351

Explanation:

Tape with excessive error rate was mounted in tape device.

Response

The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

56199355

Explanation:

The data format is incorrect; the tape cannot be read.

Response

The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item

- [USER](#)
- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

56199500

Explanation:

Licensed Internal Code error.

Response

If the system is operational, perform a dump of the I/O processor data. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

56199501

Explanation:

Licensed Internal Code error.

Response

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

56199800

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56199801

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56199802

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56199803

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56199804

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56199805

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56199806

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56199807

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56199810

Explanation:

Problem analysis has determined a part should be replaced.

Response

This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only.)

56199899

Explanation:

Problem analysis completed, the problem has been corrected.

Response

This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

56199900

Explanation:

Licensed Internal Code for tape unit was not upgraded.

Response

The I/O processor loading of Licensed Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.

- Perform TUIP04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item

- [USER](#)

56199901

Explanation:

Tape performance statistics logged.

Response

No action required. This reference code is logged for information only.

56199902

Explanation:

An IOP dump was initiated.

Response:

No action required.

56199903

Explanation:

Tape device information logged.

Response

No action required. This reference code is logged for information only. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

5619FFF6

Explanation:

Tape volume statistics logged (no action required).

(5638) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

56383000

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI01112](#)

56383202

Explanation:

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)

56383400

Explanation:

Device error has occurred.

Failing Item

- [FI00872](#)
- [DEVTERM](#)

- [FI00871](#)
- [FI01103](#)
- [FI01106](#)

56389020

Explanation:

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.
- A tape or tape library device is being virtualized multiple times to the same client partition.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)
- [PTFSRCH](#)

56389100

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)

- [FI00872](#)
- [DEVTERM](#)

56389101

Explanation:

Fibre Channel interface error detected.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FCIOA](#)
- [FCDEV](#)
- [FCCABLE](#)

56389102

Explanation:

Gateway device detected a SCSI interface error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FI00871](#)
- [FCGATE](#)
- [FI00872](#)
- [DEVTERM](#)

56389103

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [SASCABL](#)

56389104

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)
- [USB_CBL](#)

56389105

Explanation:

Interface error detected by system or by tape unit.

Response

Do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Make sure that the network is properly configured and there is a connection to the device.

Failing Item

- [VTLNTWK](#)
- [FI00871](#)

56389200

Explanation:

Tape unit is not responding.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

56389201

Explanation:

Tape unit command timeout.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.

4. Ensure that a terminating plug is attached to the device end of the SCSI cable.
5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)
- [MEDIA](#)

56389202

Explanation:

Tape unit failed after Licensed Internal Code was loaded.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

56389210

Explanation:

Illegal or unsupported tape unit response.

Failing Item

- [FI00871](#)

- [FI01112](#)
- [PTFSRCH](#)

56389211

Explanation:

Gateway device detected a bus protocol error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)
- [FCIOA](#)
- [FI00871](#)
- [ANYFC](#)
- [FCCABLE](#)
- [FI00872](#)
- [DEVTERM](#)

56389220

Explanation:

Hardware configuration change detected.

Response

The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

56389221

Explanation:

I/O path change occurred.

Response

No action required. This reference code is logged for information only.

56389300

Explanation:

Tape unit failure.

Failing Item

- [FI00871](#)

56389301

Explanation:

Tape device failure, redundancy lost.

Response

The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item

- [FI00871](#)

56389302

Explanation:

Tape device failure or media error.

Response

The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item

- [MEDIA](#)
- [FI00871](#)

56389303

Explanation:

Gateway device failure.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)

56389304

Explanation:

Tape unit failure.

Response

Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.
2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item

- [USER](#)
- [FI00871](#)

56389310

Explanation:

Licensed Internal Code for the tape unit is not correct.

Failing Item

- [PTFSRCH](#)
- [FI00871](#)

56389320

Explanation:

Tape device Licensed Internal Code failure.

Failing Item

- [FI00130](#)
- [FI00871](#)

56389321

Explanation:

Gateway device Licensed Internal Code error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCCODE](#)

56389350

Explanation:

Tape unit detected a read or write error on tape medium.

Response

A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

56389351

Explanation:

Tape with excessive error rate was mounted in tape device.

Response

The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

56389355**Explanation:**

The data format is incorrect; the tape cannot be read.

Response

The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item

- [USER](#)
- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

56389500**Explanation:**

Licensed Internal Code error.

Response

If the system is operational, perform a dump of the I/O processor data. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

56389501**Explanation:**

Licensed Internal Code error.

Response

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

56389800**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56389801**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56389802**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56389803**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56389804

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56389805

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56389806

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56389807

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

56389810

Explanation:

Problem analysis has determined a part should be replaced.

Response

This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only.)

56389899

Explanation:

Problem analysis completed, the problem has been corrected.

Response

This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

56389900

Explanation:

Licensed Internal Code for tape unit was not upgraded.

Response

The I/O processor loading of Licensed Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform [TUPIP04](#) to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item

- [USER](#)

56389901

Explanation:

Tape performance statistics logged.

Response

No action required. This reference code is logged for information only.

56389902

Explanation:

An IOP dump was initiated.

Response:

No action required.

56389903

Explanation:

Tape device information logged.

Response

No action required. This reference code is logged for information only. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

(5700) Reference codes

5700A001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDGP01](#)

5700B9A0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

(5701) Reference codes

5701A001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDGP01](#)

5701B9A0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

(5702) Reference codes

5702A17

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [MA_BRDG](#)
- [AJDGP01](#)

5638FFF6

Explanation:

Tape volume statistics logged (no action required).

- [FI00718](#)

- [AJDGP01](#)

- [MA_BRDG](#)

5700B9B0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

- [AJDG301](#)

- [MA_BRDG](#)

- [FI00718](#)

- [AJDGP01](#)

- [MA_BRDG](#)

5701B9B0

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

- [AJDG301](#)

- [MA_BRDG](#)

- [AJDG301](#)

5702A22

Explanation:

I/O processor detected a storage transfer error.

Failing Item

- [AJDGP01](#)

- [AJDG301](#)

- [IOP](#)
- [MA_BRDG](#)

5702102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [FI01105](#)

57021306

Explanation:

I/O processor card or Licensed Internal Code error.

Response

A microprocessor exception occurred on the I/O processor.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [BACKPLN](#)

57021307

Explanation:

I/O processor resource not available.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)

57021310

Explanation:

I/O processor resource not available.

Response

The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57021317

Explanation:

I/O processor card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP.

If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

57022200

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

57022201

Explanation:

Removable media error during IPL.

Failing Item

- [USER](#)
- [FI01105](#)

57022202

Explanation:

Removable media error during IPL.

Failing Item

- [FI00022](#)
- [FI01105](#)

57023000

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [FI01101](#)
- [IOP](#)
- [MA_BRDG](#)

57023001

Explanation:

Not valid condition in I/O Processor Licensed Internal Code.

Response:

The Licensed Internal Code found a condition that should not have occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

57023002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [FI01106](#)

57023006

Explanation:

System bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)
- [FI01101](#)

57023020

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57023021

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57023022

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57023023

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57023080

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

57023081

Explanation:

System log entry only, no service action required.

57023084

Explanation:

I/O processor card or Licensed Internal Code error.

Response:

A microprocessor exception occurred on the I/O processor.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [MA_BRDG](#)

57023087**Explanation:**

I/O processor resource not available.

Response:

The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOACNFG](#)
- [FI01104](#)

57023100**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57023101**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57023102**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57023103**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57023109**Explanation:**

I/O processor timed out a device command.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)

- [FI01106](#)

57023110**Explanation:**

I/O processor card detected interface error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

57023120**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57023121**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57023122**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57023123**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57023136**Explanation:**

The removable media device is assigned elsewhere.

Failing Item

- [USER](#)
- [FI01105](#)

57023140**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

57023141**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

57023142**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

57023143**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

57023150

Explanation:

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCDOS](#)

57023151**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDOS](#)

57023200**Explanation:**

A tape/CD or disk device reported a failure.

Failing Item

- [FI01105](#)
- [STORIOA](#)
- [IOP](#)
- [MEDIA](#)

57023203**Explanation:**

Disk media format bad.

Failing Item

- [FI01105](#)

57023205**Explanation:**

Disk sector read error.

Response

Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item

- [FI01105](#)

57023215**Explanation:**

Disk sector read error.

Response

Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item

- [FI01105](#)

57023250**Explanation:**

Disk unit requires initialization before use.

Response

Perform a D-IPL and work on errors found in the log.

Failing Item

- [USER](#)

57023300**Explanation:**

Storage unit detected a media problem.

Failing Item

- [IOPIP01](#)
- [MEDIA](#)
- [FI00121](#)
- [FI01141](#)

57023400**Explanation:**

I/O processor card detected device error.

Response:

NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [DEVTERM](#)
- [FI01140](#)

57023401**Explanation:**

Device backplane problem.

Failing Item

- [DEVBPLN](#)

57023501

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57023600

Explanation:

System log entry only, no service action required.

57023601

Explanation:

System log entry only, no service action required.

57026070

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

57026071

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

57026072

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57026073

Explanation:

IPL device not ready.

Failing Item

- [MEDIA](#)
- [FI01105](#)

- [USER](#)

57026075

Explanation:

I/O processor resource not available.

Failing Item

- [AJDGP01](#)

57026076

Explanation:

I/O processor card detected media error.

Failing Item

- [MEDIA](#)
- [AJDGP01](#)
- [FI01105](#)

57026081

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57026082

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57026083

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57026085

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

- [MA_BRDG](#)

57026200**Explanation:**

A permanent IOA hardware error occurred.

Failing Item

- [FCIOA](#)
- [OPT_CLN](#)

57026201**Explanation:**

IOA LID is not valid.

Failing Item

- [AJDGP01](#)

57026602**Explanation:**

An I/O processor Licensed Internal Code error occurred.

Failing Item

- [AJDGP01](#)

57028000**Explanation:**

A permanent IOP or cache adapter card failure occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [STORIOA](#)
- [CACHE](#)

57028002**Explanation:**

A permanent cache adapter card failure occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

57028004**Explanation:**

Voltage drop detected on I/O processor 5 volt power supply.

Failing Item

- [FI01141](#)
- [STORIOA](#)

57028005**Explanation:**

A recoverable IOP or cache adapter card error occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [STORIOA](#)
- [CACHE](#)

57028007**Explanation:**

A recoverable cache adapter card error occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

57028010**Explanation:**

A permanent cache adapter card failure occurred.

Response

The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

57028011**Explanation:**

A permanent cache adapter card failure occurred.

Response

The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

57028100

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57028130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required.
This reference code is logged for information only.

57028131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required.
This reference code is logged for information only.

57028132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required.
This reference code is logged for information only.

57028133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required.
This reference code is logged for information only.

57028140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

57028141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57028145

Explanation:

A recoverable I/O processor error occurred.

Failing Item

- [STORIOA](#)

57028146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57028150

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57028151

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

57028155

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

57028156**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

57028157**Explanation:**

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

57028200**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57028300**Explanation:**

I/O processor card or Licensed Internal Code error.

Response

A microprocessor exception occurred on the I/O processor.

Failing Item

- [STORIOA](#)
- [IOP](#)
- [AJDGP01](#)

57028301**Explanation:**

Not valid condition in I/O Processor Licensed Internal Code.

Response

The Licensed Internal Code found a condition that should not have occurred.

Failing Item

- [FI01101](#)
- [AJDGP01](#)
- [IOP](#)

57028400**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

57029000**Explanation:**

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57029001**Explanation:**

I/O processor card detected device configuration error.

Failing Item

- [IOPIP33](#)

57029002**Explanation:**

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)

- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

57029008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

57029009

Explanation:

Call your next level of support for assistance.

Failing Item

- [SVCDOCS](#)

57029010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

57029011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

57029012

Explanation:

IOP requires a cache adapter card but cannot find it.

Response

The cache adapter card is missing or broken.

Failing Item

- [IOPIP29](#)
- [CACHE](#)

57029013

Explanation:

The IOP and attached cache adapter card are not compatible.

Failing Item

- [IOPIP19](#)

57029020

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

57029021

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

57029022

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57029023

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57029024

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57029025

Explanation:

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

57029026

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57029027

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

57029028

Explanation:

Incorrect hardware configuration change has been detected.

Response

Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item

- [SVCDOS](#)

57029029

Explanation:

Incorrect hardware configuration change has been detected.

Response

Contact your next level of support.

Failing Item

- [SVCDOS](#)

5702902F

Explanation:

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

57029030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [IOPIP21](#)

57029031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57029040

Explanation:

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

57029041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [AJDGP01](#)

57029050

Explanation:

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

57029051

Explanation:

IOP cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

57029052

Explanation:

Cache data exists for device that has been modified.

Failing Item

- [IOPIP28](#)

57029053

Explanation:

IOP resources not available due to previous problems.

Response

Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

57029054

Explanation:

IOP resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

57029081

Explanation:

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57029082

Explanation:

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

57029090

Explanation:

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57029091

Explanation:

Incorrect hardware configuration change has been detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57029092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

5702B3B1

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

5702B3B2

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

5702B3B3

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

5702B3B4

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

5702B3B5

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

5702B3B6

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

5702B3B7

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

5702B3B8

Explanation:

Multi-adapter Bridge error detected.

Failing Item

- [MA_BRDG](#)

- [IOP](#)

5702B3B9

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

5702B3E0

Explanation:

I/O processor detected a fault condition.

Failing Item

- [IOP](#)

- [MA_BRDG](#)

5702B3E1

Explanation:

I/O processor detected a fault condition.

Failing Item

- [IOP](#)

- [MA_BRDG](#)

5702B410

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)

5702B411**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)

5702B412**Explanation:**

Tape/CD or disk bus interface error occurred.

Failing Item

- [IOPIP16](#)
- [FI01107](#)
- [FI01140](#)
- [STORIOA](#)
- [DEVTERM](#)

5702B935**Explanation:**

Unknown hardware detected.

Failing Item

- [FI01101](#)
- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)

5702BE00**Explanation:**

I/O processor detected a fault condition.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [MA_BRDG](#)

5702FF3D**Explanation:**

I/O adapter detected recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

5702FF6D**Explanation:**

I/O processor detected a recoverable system bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)

(5703) Reference codes

57031310**Explanation:**

I/O processor resource not available.

Response

The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57033006**Explanation:**

System bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)
- [STORIOA](#)

57033020**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57033021**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57033022

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57033023

Explanation:

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57033100

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)

- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57033101

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57033102

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57033103

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57033120**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOS](#)

57033121**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOS](#)

57033122**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOS](#)

57033123**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOS](#)

57033140**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

57033141**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

57033142**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

57033143**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

57033150**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCDOS](#)

57033151**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDOS](#)

57033400**Explanation:**

I/O processor card detected device error.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [DEVTERM](#)
- [FI01140](#)

57033401**Explanation:**

Device backplane problem.

Failing Item

- [DEVBPLN](#)

57033501**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57033600**Explanation:**

System log entry only, no service action required.

57033601**Explanation:**

System log entry only, no service action required.

57038008**Explanation:**

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)

- [STORIOA](#)

57038009**Explanation:**

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

57038012**Explanation:**

Attached read cache devices exceed capacity supported by IOA.

Response

Reduce the number of read caches on the IOA.

Failing Item

- [SVCDOCS](#)

57038100**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57038130**Explanation:**

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

57038131**Explanation:**

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

57038132**Explanation:**

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

57038133**Explanation:**

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

57038140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

57038141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57038145

Explanation:

A recoverable I/O processor error occurred.

Failing Item

- [STORIOA](#)

57038146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57038150

Explanation:

A permanent I/O processor failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)

- [ANYBRDG](#)

57038151

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

57038155

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

57038156

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

57038157

Explanation:

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

57038200

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57039000**Explanation:**

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57039001**Explanation:**

I/O processor card detected device configuration error.

Failing Item

- [IOPIP33](#)

57039002**Explanation:**

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

57039008**Explanation:**

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

57039009**Explanation:**

Call your next level of support for assistance.

Failing Item

- [SVCDOCS](#)

57039010**Explanation:**

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

57039011**Explanation:**

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

57039020**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

57039021**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

57039022**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57039023**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57039024**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57039025

Explanation:

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

57039026

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57039027

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

57039028

Explanation:

Incorrect hardware configuration change has been detected.

Response

Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item

- [SVCDOS](#)

57039029

Explanation:

Incorrect hardware configuration change has been detected.

Response

Contact your next level of support.

Failing Item

- [SVCDOS](#)

5703902F

Explanation:

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 array members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

57039030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [IOPIP21](#)

57039031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57039032

Explanation:

A disk unit in a RAID array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [FI02112](#)

- [IOPIP21](#)

57039040

Explanation:

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

57039041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [AJDGP01](#)

57039042**Explanation:**

An array parity error has been detected and corrected.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57039050**Explanation:**

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

57039051**Explanation:**

IOP cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

57039052**Explanation:**

Cache data exists for device that has been modified.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

57039053**Explanation:**

IOP resources not available due to previous problems.

Response

Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

57039054**Explanation:**

IOP resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

57039071**Explanation:**

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

57039072**Explanation:**

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

57039073**Explanation:**

Incompatible or non-operational auxiliary cache IOA attached.

Failing Item

- [IOPIP40](#)

57039081**Explanation:**

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57039082**Explanation:**

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

57039090**Explanation:**

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57039091**Explanation:**

Incorrect hardware configuration change has been detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57039092**Explanation:**

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

57039093**Explanation:**

Read cache device not in correct format.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5703B934**Explanation:**

Incompatible hardware detected.

Failing Item

- [STORIOA](#)

5703FF3D**Explanation:**

I/O adapter detected recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

5703FF6D**Explanation:**

I/O processor detected a recoverable system bus error.

Failing Item

- [IOP](#)

(5704) Reference codes

57041310

Explanation:

I/O processor or I/O adapter resource not available.

Response

The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57043020

Explanation:

I/O processor detected a configuration error.

Response:

Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item

- [SVCDOS](#)

57043100

Explanation:

I/O processor card detected interface error.

Failing Item

- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

57043120

Explanation:

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

- [ANYBUS](#)

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

57043140

Explanation:

I/O Processor detected that a port is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

57043200

Explanation:

A disk device reported a failure.

Failing Item

- [FCDEV](#)
- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

57043400

Explanation:

I/O processor card detected device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

570434FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

57048130

Explanation:

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

57048140**Explanation:**

Recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

57048141**Explanation:**

IOA detected recoverable device error.

Response

No action required. This reference code is logged for information only.

57048145**Explanation:**

A recoverable I/O processor error occurred.

Failing Item

- [FCIOA](#)
- [OPT_CLN](#)

57048146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FCDEV](#)

57048150**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

57048151**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [IOP](#)
- [OPT_CLN](#)

57048155**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

57048156**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [FCIOA](#)
- [OPT_CLN](#)

57049091**Explanation:**

Incorrect hardware configuration change has been detected.

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

57049092**Explanation:**

Incorrect hardware configuration change has been detected.

Response:

Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see [Debug the resource](#). If an I/O processor reset and I/O processor IPL does

not resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

5704FF3D

Explanation:

(5706) Reference codes

5706A001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDGP01](#)

5706B9B0

(5707) Reference codes

5707A001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDGP01](#)

5707B9B0

(5708) Reference codes

57081310

Explanation:

I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57083006

Explanation:

System bus error.

Failing Item

- [AUXIOA](#)
- [ANYBRDG](#)
- [IOP](#)

Recovered IOA error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDGP01](#)

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDGP01](#)

57083100

Explanation:

Interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [AUXCBL](#)
- [AUXIOA](#)
- [PRIMIOA](#)

57083101

Explanation:

Interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [AUXCBL](#)
- [AUXIOA](#)
- [PRIMIOA](#)

57083400

Explanation:

SCSI resource error.

Failing Item

- [AUXCBL](#)
- [PRIMIOA](#)

57086075

Explanation:

I/O processor resource not available.

Failing Item

- [PTFSRCH](#)

57088008

Explanation:

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [AUXIOA](#)

57088009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

57088130

Explanation:

IOA detected recoverable SCSI bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

57088131

Explanation:

IOA detected recoverable SCSI bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

57088140

Explanation:

IOA detected recoverable SCSI bus error.

Response

No action is required. This reference code is logged for information only.

57088141

Explanation:

IOA detected recoverable SCSI resource error.

Response

No action is required. This reference code is logged for information only.

57088145

Explanation:

A recoverable error occurred.

Failing Item

- [AUXIOA](#)

57088150

Explanation:

A permanent failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [AUXIOA](#)
- [ANYBRDG](#)

57088151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

57088155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

57088156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

57088157**Explanation:**

I/O adapter card temporary error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOSCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOSCS](#)

57088300**Explanation:**

IOA hardware or PCI bus error.

Failing Item

- [AUXIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57088301**Explanation:**

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

57088302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOSCS](#)
- [AUXIOA](#)

57089055**Explanation:**

Write cache data is available for attached storage IOA.

Response:

No service action required.

57089071**Explanation:**

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

57089072**Explanation:**

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

57089073

Explanation:

Disconnected, incompatible, or non-operational storage IOA.

Failing Item

- [IOPIP41](#)

5708FF3D

(5709) Reference codes

57091310**Explanation:**

I/O processor resource not available.

Response

The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57093006**Explanation:**

System bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)
- [STORIOA](#)

57093020**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57093021**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Explanation:

I/O adapter detected recoverable error.

Failing Item

- [AUXIOA](#)
- [ANYBRDG](#)

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57093022**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57093023**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57093100**Explanation:**

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57093101

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57093102

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57093103

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57093120

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57093121

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57093122

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57093123

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57093140

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

57093141

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

57093142

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

57093143

Explanation:

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

57093150

Explanation:

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCDPCS](#)

57093151

Explanation:

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDPCS](#)

57093400

Explanation:

I/O processor card detected device error.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [DEVTERM](#)
- [FI01140](#)

57093401

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)

57093501

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57093600

Explanation:

System log entry only, no service action required.

57093601

Explanation:

System log entry only, no service action required.

57098008

Explanation:

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow

attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)

57098009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

57098012

Explanation:

Attached read cache devices exceed capacity supported by IOA.

Response

Reduce the number of read caches on the IOA.

Failing Item

- [SVCDOCS](#)

57098100

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57098130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

57098131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

57098132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

57098133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

57098140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

57098141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57098145

Explanation:

A recoverable I/O processor error occurred.

Failing Item

- [STORIOA](#)

57098146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57098150

Explanation:

A permanent I/O processor failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the

Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57098151

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

57098155

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

57098156

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

57098157

Explanation:

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

57098200

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

57099000

Explanation:

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57099001

Explanation:

I/O processor card detected device configuration error.

Failing Item

- [IOPIP33](#)

57099002

Explanation:

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

57099008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

57099009**Explanation:**

Call your next level of support for assistance.

Failing Item

- [SVCDOS](#)

57099010**Explanation:**

Cache data associated with attached devices cannot be found.

Failing Item

- [IOIP31](#)

57099011**Explanation:**

Cache data belongs to devices other than those attached.

Failing Item

- [IOIP32](#)

57099020**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOIP20](#)

57099021**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOIP20](#)

57099022**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOIP22](#)

57099023**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOIP22](#)

57099024**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOIP22](#)

57099025**Explanation:**

Disk unit is not supported at its physical location.

Failing Item

- [IOIP21](#)

57099026**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOIP22](#)

57099027**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOIP34](#)

57099028**Explanation:**

Incorrect hardware configuration change has been detected.

Response

Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item

- [SVCDOS](#)

57099029**Explanation:**

Incorrect hardware configuration change has been detected.

Response

Contact your next level of support.

Failing Item

- [SVCD0CS](#)

5709902F

Explanation:

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 array members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

57099030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [IOPIP21](#)

57099031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57099032

Explanation:

A disk unit in a RAID array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [FI02112](#)
- [IOPIP21](#)

57099040

Explanation:

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

57099041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [AJDGP01](#)

57099042

Explanation:

An array parity error has been detected and corrected.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57099050

Explanation:

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

57099051

Explanation:

IOP cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

57099052**Explanation:**

Cache data exists for device that has been modified.

Response

Contact your next level of support.

Failing Item

- [SVCDOCS](#)

57099053**Explanation:**

IOP resources not available due to previous problems.

Response

Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDOCS](#)

57099054**Explanation:**

IOP resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDOCS](#)

57099071**Explanation:**

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

57099072**Explanation:**

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

57099073**Explanation:**

Incompatible or non-operational auxiliary cache IOA attached.

Failing Item

- [IOPIP40](#)

57099081**Explanation:**

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57099082**Explanation:**

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

57099090**Explanation:**

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

57099091**Explanation:**

Incorrect hardware configuration change has been detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57099092**Explanation:**

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

57099093**Explanation:**

Read cache device not in correct format.

Response

Contact your next level of support.

Failing Item

- [SVCDOS](#)

5709B934**Explanation:**

Incompatible hardware detected.

Failing Item

- [STORIOA](#)

5709FF3D**Explanation:**

I/O adapter detected recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

5709FF6D**Explanation:**

I/O processor detected a recoverable system bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)

(570B) Reference codes

570B0A17**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)
- [MA_BRDG](#)
- [AJDGP01](#)
- [AJDG301](#)

570B0A22**Explanation:**

I/O processor detected a storage transfer error.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)

- [IOP](#)
- [MA_BRDG](#)

570B102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [FI01105](#)

570B1306**Explanation:**

I/O processor card or Licensed Internal Code error.

Response

A microprocessor exception occurred on the I/O processor.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [BACKPLN](#)

570B1307

Explanation:

I/O processor resource not available.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)

570B1310

Explanation:

I/O processor resource not available.

Response

The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

570B1317

Explanation:

I/O processor card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

570B2200

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

570B2201

Explanation:

Removable media error during IPL.

Failing Item

- [USER](#)
- [FI01105](#)

570B2202

Explanation:

Removable media error during IPL.

Failing Item

- [FI00022](#)
- [FI01105](#)

570B3000

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [FI01101](#)
- [IOP](#)
- [MA_BRDG](#)

570B3001

Explanation:

Not valid condition in I/O Processor Licensed Internal Code.

Response:

The Licensed Internal Code found a condition that should not have occurred.

Failing Item

- [IOP](#)
- [AJDGP01](#)

570B3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)

- [FI01140](#)
- [FI01141](#)
- [FI01106](#)

570B3006**Explanation:**

System bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)
- [FI01101](#)

570B3020**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

570B3021**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

570B3022**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

570B3023**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

570B3080**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

570B3081**Explanation:**

System log entry only, no service action required.

570B3084**Explanation:**

I/O processor card or Licensed Internal Code error.

Response:

A microprocessor exception occurred on the I/O processor.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [MA_BRDG](#)

570B3087**Explanation:**

I/O processor resource not available.

Response:

The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item

- [AJDGP01](#)
- [AJDG301](#)
- [IOACNFG](#)
- [FI01104](#)

570B3100

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

570B3101

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

570B3102

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

570B3103

Explanation:

I/O processor card detected interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

570B3109

Explanation:

I/O processor timed out a device command.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

570B3110

Explanation:

I/O processor card detected interface error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

570B3120

Explanation:

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCD OCS](#)

570B3121**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCD OCS](#)

570B3122**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCD OCS](#)

570B3123**Explanation:**

I/O Processor detected that the bus is not operational.

Response:

A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item

- [SVCD OCS](#)

570B3136**Explanation:**

The removable media device is assigned elsewhere.

Failing Item

- [USER](#)
- [FI01105](#)

570B3140**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

570B3141**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

570B3142**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

570B3143**Explanation:**

I/O Processor detected that the bus is now operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

570B3150**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCD OCS](#)

570B3151**Explanation:**

I/O processor detected a SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDOCS](#)

570B3200

Explanation:

A tape/CD or disk device reported a failure.

Failing Item

- [FI01105](#)
- [STORIOA](#)
- [IOP](#)
- [MEDIA](#)

570B3203

Explanation:

Disk media format bad.

Failing Item

- [FI01105](#)

570B3205

Explanation:

Disk sector read error.

Response

Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item

- [FI01105](#)

570B3215

Explanation:

Disk sector read error.

Response

Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item

- [FI01105](#)

570B3250

Explanation:

Disk unit requires initialization before use.

Response

Perform a D-IPL and work on errors found in the log.

Failing Item

- [USER](#)

570B3300

Explanation:

Storage unit detected a media problem.

Failing Item

- [IOPIP01](#)
- [MEDIA](#)
- [FI00121](#)
- [FI01141](#)

570B3400

Explanation:

I/O processor card detected device error.

Response:

NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [DEVTERM](#)
- [FI01140](#)

570B3401

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)

570B3501

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

570B3600

Explanation:

System log entry only, no service action required.

570B3601**Explanation:**

System log entry only, no service action required.

570B6070**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

570B6071**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

570B6072**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

570B6073**Explanation:**

IPL device not ready.

Failing Item

- [MEDIA](#)
- [FI01105](#)
- [USER](#)

570B6075**Explanation:**

I/O processor resource not available.

Failing Item

- [AJDGP01](#)

570B6076**Explanation:**

I/O processor card detected media error.

Failing Item

- [MEDIA](#)
- [AJDGP01](#)
- [FI01105](#)

570B6081**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

570B6082**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

570B6083**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

570B6085**Explanation:**

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)

570B6200**Explanation:**

A permanent IOA hardware error occurred.

Failing Item

- [FCIOA](#)
- [OPT_CLN](#)

570B6201**Explanation:**

IOA LID is not valid.

Failing Item

- [AJDGP01](#)

570B6602

Explanation:

An I/O processor Licensed Internal Code error occurred.

Failing Item

- [AJDGP01](#)

570B8000

Explanation:

A permanent IOP or cache adapter card failure occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [STORIOA](#)
- [CACHE](#)

570B8002

Explanation:

A permanent cache adapter card failure occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

570B8004

Explanation:

Voltage drop detected on I/O processor 5 volt power supply.

Failing Item

- [FI01141](#)
- [STORIOA](#)

570B8005

Explanation:

A recoverable IOP or cache adapter card error occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [STORIOA](#)
- [CACHE](#)

570B8007

Explanation:

A recoverable cache adapter card error occurred.

Response:

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

570B8010

Explanation:

A permanent cache adapter card failure occurred.

Response

The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

570B8011

Explanation:

A permanent cache adapter card failure occurred.

Response

The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time.
Exchange the FRUs one at a time in the order shown.

Failing Item

- [CACHE](#)
- [STORIOA](#)

570B8100

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

570B8130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

570B8131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

570B8132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

570B8133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

570B8140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

570B8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

570B8145

Explanation:

A recoverable I/O processor error occurred.

Failing Item

- [STORIOA](#)

570B8146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

570B8150

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

570B8151

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

570B8155

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

570B8156

Explanation:

A permanent I/O processor failure occurred.

Failing Item

- [AJDGP01](#)
- [STORIOA](#)

570B8157

Explanation:

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O

adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

570B8200

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)
- [IOP](#)

570B8300

Explanation:

I/O processor card or Licensed Internal Code error.

Response

A microprocessor exception occurred on the I/O processor.

Failing Item

- [STORIOA](#)
- [IOP](#)
- [AJDGP01](#)

570B8301

Explanation:

Not valid condition in I/O Processor Licensed Internal Code.

Response

The Licensed Internal Code found a condition that should not have occurred.

Failing Item

- [FI01101](#)

- [AJDGP01](#)

- [IOP](#)

570B8400

Explanation:

I/O processor Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

570B9000

Explanation:

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

570B9001

Explanation:

I/O processor card detected device configuration error.

Failing Item

- [IOPIP33](#)

570B9002

Explanation:

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

570B9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

570B9009

Explanation:

Call your next level of support for assistance.

Failing Item

- [SVCDOS](#)

570B9010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

570B9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

570B9012

Explanation:

IOP requires a cache adapter card but cannot find it.

Response

The cache adapter card is missing or broken.

Failing Item

- [IOPIP29](#)
- [CACHE](#)

570B9013

Explanation:

The IOP and attached cache adapter card are not compatible.

Failing Item

- [IOPIP19](#)

570B9020

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

570B9021

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

570B9022

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

570B9023

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

570B9024

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

570B9025

Explanation:

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

570B9026

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

570B9027

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

570B9028

Explanation:

Incorrect hardware configuration change has been detected.

Response

Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item

- [SVCDPCS](#)

570B9029**Explanation:**

Incorrect hardware configuration change has been detected.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

570B902F**Explanation:**

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

570B9030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [IOPIP21](#)

570B9031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

570B9040**Explanation:**

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

570B9041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [AJDGP01](#)

570B9050**Explanation:**

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

570B9051**Explanation:**

IOP cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

570B9052**Explanation:**

Cache data exists for device that has been modified.

Failing Item

- [IOPIP28](#)

570B9053**Explanation:**

IOP resources not available due to previous problems.

Response

Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDOCS](#)

570B9054**Explanation:**

IOP resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item

- [SVCDOCS](#)

570B9081**Explanation:**

I/O processor card detected device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

570B9082**Explanation:**

I/O processor card detected device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)

- [BACKPLN](#)

- [FI01106](#)

570B9090**Explanation:**

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

570B9091**Explanation:**

Incorrect hardware configuration change has been detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

570B9092**Explanation:**

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

570BB3B1**Explanation:**

A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

570BB3B2

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

570BB3B3

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

570BB3B4

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

570BB3B5

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

570BB3B6

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

570BB3B7

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

570BB3B8

Explanation:
Multi-adapter Bridge error detected.

Failing Item

- [MA_BRDG](#)
- [IOP](#)

570BB3B9

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [IOP](#)

570BB3E0

Explanation:
I/O processor detected a fault condition.

Failing Item

- [IOP](#)
- [MA_BRDG](#)

570BB3E1

Explanation:
I/O processor detected a fault condition.

Failing Item

- [IOP](#)
- [MA_BRDG](#)

570BB410

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)

570BB411

Explanation:
A permanent I/O processor failure occurred.

Failing Item

- [STORIOA](#)

570BB412

Explanation:
Tape/CD or disk bus interface error occurred.

Failing Item

- [IOPIP16](#)
- [FI01107](#)
- [FI01140](#)
- [STORIOA](#)
- [DEVTERM](#)

570BB935

Explanation:

Unknown hardware detected.

Failing Item

- [FI01101](#)
- [AJDGP01](#)
- [IOP](#)
- [MA_BRDG](#)

570BBE00

Explanation:

I/O processor detected a fault condition.

Failing Item

- [AJDGP01](#)
- [IOP](#)
- [FI01104](#)
- [MA_BRDG](#)

(571A) Reference codes

571A1310

Explanation:

I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

571A3000

Explanation:

A permanent failure occurred.

Failing Item

- [FI01101](#)
- [ANYBRDG](#)

571A3006

Explanation:

System bus error.

Failing Item

- [FI01101](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

571A3020

Explanation:

570BFF3D

Explanation:

I/O adapter detected recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

570BFF6D

Explanation:

I/O processor detected a recoverable system bus error.

Failing Item

- [IOP](#)
- [ANYBUS](#)

SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

571A3021

Explanation:

SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

571A3022

Explanation:

SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

571A3023

Explanation:
SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

571A3100

Explanation:
Interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

571A3101

Explanation:
Interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

571A3102

Explanation:
Interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

571A3103

Explanation:
Interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

571A3120

Explanation:
Bus is not operational.

Response:
Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

571A3121

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCD OCS](#)

571A3122**Explanation:**

Bus is not operational.

Response:

Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCD OCS](#)

571A3123**Explanation:**

Bus is not operational.

Response:

Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCD OCS](#)

571A3140**Explanation:**

Bus is operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

571A3141**Explanation:**

Bus is operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

571A3142**Explanation:**

Bus is operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

571A3143**Explanation:**

Bus is operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

571A3150**Explanation:**

SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCD OCS](#)

571A3151**Explanation:**

SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCD OCS](#)

571A3200**Explanation:**

A tape/CD or disk device reported a failure.

Failing Item

- [FI01105](#)
- [STORIOA](#)
- [MEDIA](#)

571A3202**Explanation:**

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

571A3400

Explanation:

Device error.

Response:

NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

571A3401

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)

571A3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

571A34FF

Explanation:

A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item

- [SVCDOS](#)

571A3501

Explanation:

Licensed Internal Code error.

Response:

The device type is either unsupported or the code has not been loaded to support it.

Failing Item

- [FI01105](#)
- [PTFSRCH](#)

571A3601

Explanation:

System log entry only. No service action required.

571A4150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When

working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

571A4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

571A8008

Explanation:

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be

posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)

571A8009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

571A8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

571A8130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

571A8131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

571A8132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

571A8133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

571A8140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

571A8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

571A8145

Explanation:

A recoverable error occurred.

Failing Item

- [STORIOA](#)

571A8146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

571A8150

Explanation:

A permanent failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

571A8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

571A8155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

571A8156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

571A8157

Explanation:

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

571A8300

Explanation:

IOA hardware error or PCI bus error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

- [PTFSRCH](#)

571A8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

571A8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

571A8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

571A8404

Explanation:

System log entry only. No service action required.

571A9000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

571A9001

Explanation:

Device configuration error.

Failing Item

- [IOPIP33](#)

571A9002

Explanation:

Device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

571A9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

571A9009

Explanation:

Call your next level of support for assistance.

Failing Item

- [SVCDOS](#)

571A9010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

571A9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

571A9020

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

571A9021

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

571A9022

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

571A9023

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

571A9024

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

571A9025

Explanation:

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

571A9026

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

571A9027

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

571A9028

Explanation:

Incorrect hardware configuration change detected.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOCS](#)

571A9029

Explanation:

Incorrect hardware configuration change detected.

Response

Contact your next level of support.

Failing Item

- [SVCDOCS](#)

571A902F

Explanation:

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

571A9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [FI02112](#)
- [IOPIP21](#)

571A9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

571A9032

Explanation:

A disk unit in a RAID array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item

- [FI02112](#)
- [IOPIP21](#)

571A9040

Explanation:

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

571A9041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [PTFSRCH](#)

571A9042

Explanation:

An array parity error has been detected and corrected.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

571A9050

Explanation:

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

571A9051**Explanation:**

Cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

571A9052**Explanation:**

Cache data exists for device that has been modified.

Response

Contact your next level of support.

Failing Item

- [SVCDOCS](#)

571A9053**Explanation:**

IOA resources not available due to previous problems.

Response

Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item

- [SVCDOCS](#)

571A9054**Explanation:**

IOA resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item

- [SVCDOCS](#)

571A9071**Explanation:**

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

571A9072**Explanation:**

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

571A9073**Explanation:**

Incompatible or non-operational auxiliary cache IOA attached.

Failing Item

- [IOPIP40](#)

571A9081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

571A9082**Explanation:**

Device error.

Failing Item

- [IOPIP16](#)

- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

571A9090

Explanation:

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

571A9091

Explanation:

Incorrect hardware configuration change detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

571A9092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

571A9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

571A9902

Explanation:

System log entry only. No service action required.

571A9903

Explanation:

Tape device information was logged. Informational event, no service required.

571AC000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

571AC100

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

571AC402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

571AFF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

571AFF6D

Explanation:

Recoverable system bus error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

- [PTFSRCH](#)

(571B) Reference codes

571B1310

Explanation:

I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

571B3000

Explanation:

A permanent failure occurred.

Failing Item

- [FI01101](#)
- [ANYBRDG](#)

571B3006

Explanation:

System bus error.

Failing Item

- [FI01101](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

571B3020

Explanation:

SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

571B3021

Explanation:

SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

571B3022

Explanation:

SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

571B3023

Explanation:

SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

571B3100

Explanation:

Interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

571B3101

Explanation:

Interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

571B3102

Explanation:

Interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

571B3103

Explanation:

Interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)

- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

571B3120

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

571B3121

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

571B3122

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

571B3123

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

571B3140

Explanation:

Bus is operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

571B3141**Explanation:**

Bus is operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

571B3142**Explanation:**

Bus is operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

571B3143**Explanation:**

Bus is operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

571B3150**Explanation:**

SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCDPCS](#)

571B3151**Explanation:**

SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDPCS](#)

571B3200**Explanation:**

A tape/CD or disk device reported a failure.

Failing Item

- [FI01105](#)
- [STORIOA](#)
- [MEDIA](#)

571B3202**Explanation:**

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDPCS](#)

571B3400**Explanation:**

Device error.

Response:

NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

571B3401**Explanation:**

Device backplane problem.

Failing Item

- [DEVBPLN](#)

571B3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.

- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

571B34FF

Explanation:

A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item

- [SVCDOCS](#)

571B3501

Explanation:

Licensed Internal Code error.

Response:

The device type is either unsupported or the code has not been loaded to support it.

Failing Item

- [FI01105](#)
- [PTFSRCH](#)

571B3601

Explanation:

System log entry only. No service action required.

571B4150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

571B4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

571B8008

Explanation:

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)

571B8009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

571B8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

571B8130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

571B8131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

571B8132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

571B8133**Explanation:**

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

571B8140**Explanation:**

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

571B8141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

571B8145**Explanation:**

A recoverable error occurred.

Failing Item

- [STORIOA](#)
-

571B8146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)
-

571B8150**Explanation:**

A permanent failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the

Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
 - [ANYBRDG](#)
-

571B8151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
 - [STORIOA](#)
-

571B8155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
 - [STORIOA](#)
-

571B8156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
 - [STORIOA](#)
-

571B8157**Explanation:**

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOS](#)

571B8300

Explanation:

IOA hardware error or PCI bus error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

571B8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

571B8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

571B8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

571B8404

Explanation:

System log entry only. No service action required.

571B9000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

571B9001

Explanation:

Device configuration error.

Failing Item

- [IOPIP33](#)

571B9002

Explanation:

Device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

571B9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

571B9009

Explanation:

Call your next level of support for assistance.

Failing Item

- [SVCDOS](#)

571B9010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

571B9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

571B9020

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

571B9021

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

571B9022

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

571B9023

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

571B9024

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

571B9025

Explanation:

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

571B9026

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

571B9027

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

571B9028

Explanation:

Incorrect hardware configuration change detected.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDPCS](#)

571B9029

Explanation:

Incorrect hardware configuration change detected.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

571B902F

Explanation:

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

571B9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [FI02112](#)
- [IOPIP21](#)

571B9031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

571B9032**Explanation:**

A disk unit in a RAID array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item

- [FI02112](#)
- [IOPIP21](#)

571B9040**Explanation:**

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

571B9041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [PTFSRCH](#)

571B9042**Explanation:**

An array parity error has been detected and corrected.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

571B9050**Explanation:**

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

571B9051**Explanation:**

Cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

571B9052**Explanation:**

Cache data exists for device that has been modified.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

571B9053**Explanation:**

IOA resources not available due to previous problems.

Response

Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item

- [SVCDOS](#)

571B9054

Explanation:

IOA resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item

- [SVCDOS](#)

571B9071

Explanation:

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

571B9072

Explanation:

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

571B9073

Explanation:

Incompatible or non-operational auxiliary cache IOA attached.

Failing Item

- [IOPIP40](#)

571B9081

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

571B9082

Explanation:

Device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

571B9090

Explanation:

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

571B9091

Explanation:

Incorrect hardware configuration change detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

571B9092**Explanation:**

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

571B9500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

571B9902**Explanation:**

System log entry only. No service action required.

571B9903**Explanation:**

Tape device information was logged. Informational event, no service required.

571BC000**Explanation:**

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

571BC100**Explanation:**

System log entry only. No service action required.

(572A) Reference codes

572A1310**Explanation:**

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

572A3000**Explanation:**

A permanent failure occurred.

Failing Item

- [STORIOA](#)

Response:

No action is required. This reference code is logged for information only.

571BC402**Explanation:**

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

571BFF3D**Explanation:**

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

571BFF6D**Explanation:**

Recoverable system bus error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

-
- [ANYBRDG](#)

572A3020**Explanation:**

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

572A3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

572A3140

Explanation:

System log entry only. No service action required.

572A3202**Explanation:**

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

572A3400**Explanation:**

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

572A3401**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

572A3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

572A34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

572A3601**Explanation:**

System log entry only. No service action required.

572A4010**Explanation:**

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

572A4020**Explanation:**

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

572A4030**Explanation:**

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

572A4040**Explanation:**

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

572A4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

572A4050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

572A4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

572A4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

572A4070

Explanation:

System log entry only. No service action required.

572A4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)

- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

572A4101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

572A4110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

572A4150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

572A4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

572A70DD

Explanation:

Disrupt device command completed successfully.

572A8008**Explanation:**

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

572A8009**Explanation:**

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

572A8100**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572A8130**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

572A8140**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

572A8141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

572A8145**Explanation:**

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

572A8146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

572A8150**Explanation:**

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

572A8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572A8155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572A8156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572A8157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager

to manually re-IPL the virtual I/O processor and Vary On attached resources.

- If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

572A8300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue

with the next step. Otherwise this ends the procedure.

3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

572A8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572A8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

572A8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

572A8404

Explanation:

System log entry only. No service action required.

572A9000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

572A9001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

572A9002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

572A9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

572A9010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

572A9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

572A9020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

572A9021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

572A9022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

572A9023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

572A9024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

572A9025

Explanation:

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)

- [FI02112](#)

572A9026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

572A9027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

572A9028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOS](#)

572A9029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

572A9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

572A9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

572A9032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

572A9040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

572A9041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

572A9042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

572A9050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

572A9051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

572A9052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

572A9054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

572A9055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

572A9070**Explanation:**

System log entry only. No service action required.

572A9071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

572A9072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

572A9073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

572A9074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

572A9075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

572A9076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

572A9081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

572A9082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

572A9083**Explanation:**

System log entry only. No service action required.

572A9084**Explanation:**

System log entry only. No service action required.

572A9090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

572A9091**Explanation:**

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

572A9092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

572A9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

572A9903

Explanation:

(572B) Reference codes

572B1310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

572B3000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

572B3020

Tape device information was logged. Informational event, no service required.

572AC000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

572AC402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

572AFF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

572B3100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

572B3140

Explanation:

System log entry only. No service action required.

572B3202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

572B3400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

572B3401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

572B3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

572B34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

572B3601

Explanation:

System log entry only. No service action required.

572B4010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

572B4020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

572B4030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

572B4040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

572B4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

572B4050**Explanation:**

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

572B4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

572B4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

572B4070**Explanation:**

System log entry only. No service action required.

572B4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

572B4101**Explanation:**

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

572B4110**Explanation:**

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

572B4150**Explanation:**

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

572B4160**Explanation:**

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

572B70DD**Explanation:**

Disrupt device command completed successfully.

572B8008**Explanation:**

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

572B8009**Explanation:**

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

572B8100**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572B8130**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

572B8140**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

572B8141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

572B8145**Explanation:**

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

572B8146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

572B8150**Explanation:**

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)

- [ANYBRDG](#)

572B8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572B8155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572B8156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572B8157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.

- If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.

3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

572B8300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.

3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

572B8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572B8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

572B8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

572B8404

Explanation:

System log entry only. No service action required.

572B9000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

572B9001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

572B9002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

572B9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

572B9010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

572B9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

572B9020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

572B9021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

572B9022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

572B9023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

572B9024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

572B9025

Explanation:

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)

- [FI02112](#)

572B9026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

572B9027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

572B9028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCD0CS](#)

572B9029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

572B9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

572B9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

572B9032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

572B9040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

572B9041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

572B9042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

572B9050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

572B9051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

572B9052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

572B9054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

572B9055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

572B9070**Explanation:**

System log entry only. No service action required.

572B9071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

572B9072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

572B9073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

572B9074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

572B9075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

572B9076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

572B9081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

572B9082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

572B9083**Explanation:**

System log entry only. No service action required.

572B9084**Explanation:**

System log entry only. No service action required.

572B9090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

572B9091**Explanation:**

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

572B9092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

572B9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

572B9903

Explanation:

(572C) Reference codes

572C1310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

572C3000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

572C3020

Tape device information was logged. Informational event, no service required.

572BC000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

572BC402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

572BFF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

572C3100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

572C3140

Explanation:

System log entry only. No service action required.

572C3202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

572C3400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

572C3401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

572C3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

572C34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

572C3601

Explanation:

System log entry only. No service action required.

572C4010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

572C4020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

572C4030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

572C4040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

572C4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

572C4050**Explanation:**

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

572C4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

572C4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

572C4070**Explanation:**

System log entry only. No service action required.

572C4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

572C4101**Explanation:**

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

572C4110**Explanation:**

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

572C4150**Explanation:**

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

572C4160**Explanation:**

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

572C70DD**Explanation:**

Disrupt device command completed successfully.

572C8008**Explanation:**

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

572C8009**Explanation:**

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

572C8100**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572C8130**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

572C8140**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

572C8141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

572C8145**Explanation:**

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

572C8146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

572C8150**Explanation:**

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)

- [ANYBRDG](#)

572C8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572C8155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572C8156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572C8157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.

- If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.

3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

572C8300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.

3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

572C8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

572C8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

572C8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

572C8404

Explanation:

System log entry only. No service action required.

572C9000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

572C9001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

572C9002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

572C9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

572C9010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

572C9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

572C9020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

572C9021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

572C9022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

572C9023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

572C9024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

572C9025

Explanation:

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)

- [FI02112](#)

572C9026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

572C9027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

572C9028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCD0CS](#)

572C9029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

572C9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

572C9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

572C9032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

572C9040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

572C9041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

572C9042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

572C9050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

572C9051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

572C9052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

572C9054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

572C9055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

572C9070**Explanation:**

System log entry only. No service action required.

572C9071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

572C9072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

572C9073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

572C9074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

572C9075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

572C9076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

572C9081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

572C9082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

572C9083**Explanation:**

System log entry only. No service action required.

572C9084**Explanation:**

System log entry only. No service action required.

572C9090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

572C9091**Explanation:**

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

572C9092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

572C9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

572C9903

Explanation:

(573A) Reference codes

573AA001

Explanation:

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

573AB9B0

(573B) Reference codes

573BA6D9

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [FI00722](#)

Tape device information was logged. Informational event, no service required.

572CC000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

572CC402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

572CFF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

-
- [AJDG301](#)

573BA6E3

Explanation:

Ethernet adapter or network device cabling error.

Failing Item

- [FI00722](#)

- [UJE40](#)
- [IOA](#)

573BB100

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

573BB200

Explanation:

I/O adapter hardware error detected.

Failing Item

- [AJDG301](#)
- [IOA](#)

(573C) Reference codes

573CA6D9

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [FI00722](#)
- [AJDG301](#)

573CA6E3

Explanation:

Ethernet adapter or network device cabling error.

Failing Item

- [FI00722](#)
- [UJE40](#)
- [IOA](#)

573CB100

Explanation:

I/O adapter hardware error detected.

(573D) Reference codes

573D1310

Explanation:

I/O adapter resource not available.

573BB300

Explanation:

An I/O adapter hardware error was detected.

Response:

Work the Failing Item list from the serviceable event view if it is available, otherwise use this Failing Item list.

Problem determination:

Varying off and then varying on the resource may resolve the problem. If that does not resolve the problem then have the service provider work the problem.

Failing Item

- [IOA](#)
- [AJDG301](#)

Failing Item

- [IOA](#)
- [AJDG301](#)

573CB200

Explanation:

I/O adapter hardware error detected.

Failing Item

- [AJDG301](#)
- [IOA](#)

573CB300

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

573D3000**Explanation:**

A permanent failure occurred.

Failing Item

- [FI01101](#)
- [ANYBRDG](#)

573D3006**Explanation:**

System bus error.

Failing Item

- [FI01101](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

573D3020**Explanation:**

SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

573D3021**Explanation:**

SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

573D3022**Explanation:**

SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

573D3023**Explanation:**

SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

573D3100**Explanation:**

Interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

573D3101**Explanation:**

Interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)

- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

573D3102

Explanation:

Interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

573D3103

Explanation:

Interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

573D3120

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

573D3121

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

573D3122

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

573D3123

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

573D3140

Explanation:

Bus is operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

573D3141

Explanation:

Bus is operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

573D3142

Explanation:

Bus is operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

573D3143**Explanation:**

Bus is operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

573D3150**Explanation:**

SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCDOS](#)

573D3151**Explanation:**

SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDOS](#)

573D3200**Explanation:**

A tape/CD or disk device reported a failure.

Failing Item

- [FI01105](#)
- [STORIOA](#)
- [MEDIA](#)

573D3202**Explanation:**

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

573D3400**Explanation:**

Device error.

Response:

NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

573D3401**Explanation:**

Device backplane problem.

Failing Item

- [DEVBPLN](#)

573D3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

573D34FF**Explanation:**

A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item

- [SVCDOS](#)

573D3501

Explanation:

Licensed Internal Code error.

Response:

The device type is either unsupported or the code has not been loaded to support it.

Failing Item

- [FI01105](#)
- [PTFSRCH](#)

573D3601

Explanation:

System log entry only. No service action required.

573D4150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When

working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

573D4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

573D8008

Explanation:

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be

posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)

573D8009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

573D8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

573D8130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

573D8131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

573D8132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

573D8133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

573D8140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

573D8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

573D8145

Explanation:

A recoverable error occurred.

Failing Item

- [STORIOA](#)

573D8146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

573D8150

Explanation:

A permanent failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

573D8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

573D8155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

573D8156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

573D8157

Explanation:

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOS](#)

573D8300

Explanation:

IOA hardware error or PCI bus error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

- [PTFSRCH](#)

573D8301**Explanation:**

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

573D8302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

573D8400**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

573D8404**Explanation:**

System log entry only. No service action required.

573D9000**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

573D9001**Explanation:**

Device configuration error.

Failing Item

- [IOPIP33](#)

573D9002**Explanation:**

Device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

573D9008**Explanation:**

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

573D9009**Explanation:**

Call your next level of support for assistance.

Failing Item

- [SVCDOCS](#)

573D9010**Explanation:**

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

573D9011**Explanation:**

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

573D9020**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

573D9021**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

573D9022

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

573D9023

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

573D9024

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

573D9025

Explanation:

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

573D9026

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

573D9027

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

573D9028

Explanation:

Incorrect hardware configuration change detected.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDPCS](#)

573D9029

Explanation:

Incorrect hardware configuration change detected.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

573D902F

Explanation:

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

573D9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [FI02112](#)

- [IOPIP21](#)

573D9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

573D9032**Explanation:**

A disk unit in a RAID array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item

- [FI02112](#)
- [IOPIP21](#)

573D9040**Explanation:**

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

573D9041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [PTFSRCH](#)

573D9042**Explanation:**

An array parity error has been detected and corrected.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

573D9050**Explanation:**

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

573D9051**Explanation:**

Cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

573D9052**Explanation:**

Cache data exists for device that has been modified.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

573D9053**Explanation:**

IOA resources not available due to previous problems.

Response

Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

573D9054

Explanation:

IOA resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item

- [SVCD OCS](#)

573D9071**Explanation:**

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

573D9072**Explanation:**

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

573D9073**Explanation:**

Incompatible or non-operational auxiliary cache IOA attached.

Failing Item

- [IOPIP40](#)

573D9081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

573D9082**Explanation:**

Device error.

Failing Item

- [IOPIP16](#)

- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

573D9090**Explanation:**

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCD OCS](#)

573D9091**Explanation:**

Incorrect hardware configuration change detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCD OCS](#)

573D9092**Explanation:**

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

573D9500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

573D9902

Explanation:

System log entry only. No service action required.

573D9903

Explanation:

Tape device information was logged. Informational event, no service required.

573DC000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

573DC100

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

573DC402

Explanation:

(573E) Reference codes

573E1310

Explanation:

I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

573E3000

Explanation:

A permanent failure occurred.

Failing Item

- [FI01101](#)
- [ANYBRDG](#)

573E3006

Explanation:

System bus error.

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

573DFF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

573DFF6D

Explanation:

Recoverable system bus error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

Failing Item

- [FI01101](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

573E3020

Explanation:

SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

573E3021

Explanation:

SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

573E3022

Explanation:
SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

573E3023

Explanation:
SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

573E3100

Explanation:
Interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

573E3101

Explanation:
Interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

573E3102

Explanation:
Interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

573E3103

Explanation:
Interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)

- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

573E3120

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOSCS](#)

573E3121

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOSCS](#)

573E3122

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOSCS](#)

573E3123

Explanation:

Bus is not operational.

Response:

Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDOSCS](#)

573E3140

Explanation:

Bus is operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

573E3141

Explanation:

Bus is operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

573E3142

Explanation:

Bus is operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

573E3143

Explanation:

Bus is operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

573E3150

Explanation:

SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCDOSCS](#)

573E3151

Explanation:

SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDOSCS](#)

573E3200

Explanation:

A tape/CD or disk device reported a failure.

Failing Item

- [FI01105](#)
- [STORIOA](#)
- [MEDIA](#)

573E3202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOCS](#)

573E3400

Explanation:

Device error.

Response:

NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

573E3401

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)

573E3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.

- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

573E34FF

Explanation:

A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item

- [SVCDOCS](#)

573E3501

Explanation:

Licensed Internal Code error.

Response:

The device type is either unsupported or the code has not been loaded to support it.

Failing Item

- [FI01105](#)
- [PTFSRCH](#)

573E3601

Explanation:

System log entry only. No service action required.

573E4150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

573E4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

573E8008

Explanation:

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)

573E8009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

573E8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

573E8130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

573E8131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

573E8132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

573E8133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

573E8140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

573E8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

573E8145

Explanation:

A recoverable error occurred.

Failing Item

- [STORIOA](#)

573E8146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

573E8150

Explanation:

A permanent failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the

Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

573E8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

573E8155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

573E8156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

573E8157

Explanation:

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDPCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDPCS](#)

573E8300

Explanation:

IOA hardware error or PCI bus error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

573E8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

573E8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

573E8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

573E8404

Explanation:

System log entry only. No service action required.

573E9000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

573E9001

Explanation:

Device configuration error.

Failing Item

- [IOPIP33](#)

573E9002

Explanation:

Device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

573E9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

573E9009

Explanation:

Call your next level of support for assistance.

Failing Item

- [SVCDOCS](#)

573E9010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

573E9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

573E9020

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

573E9021

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

573E9022

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

573E9023

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

573E9024

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

573E9025

Explanation:

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

573E9026

Explanation:

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

573E9027**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

573E9028**Explanation:**

Incorrect hardware configuration change detected.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDPCS](#)

573E9029**Explanation:**

Incorrect hardware configuration change detected.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

573E902F**Explanation:**

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

573E9030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [FI02112](#)

- [IOPIP21](#)

573E9031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

573E9032**Explanation:**

A disk unit in a RAID array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item

- [FI02112](#)

- [IOPIP21](#)

573E9040**Explanation:**

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

573E9041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [PTFSRCH](#)

573E9042

Explanation:

An array parity error has been detected and corrected.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

573E9050

Explanation:

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

573E9051

Explanation:

Cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

573E9052

Explanation:

Cache data exists for device that has been modified.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

573E9053

Explanation:

IOA resources not available due to previous problems.

Response

Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

573E9054

Explanation:

IOA resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

573E9071

Explanation:

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

573E9072

Explanation:

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

573E9073

Explanation:

Incompatible or non-operational auxiliary cache IOA attached.

Failing Item

- [IOPIP40](#)

573E9081

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

573E9082

Explanation:
Device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

573E9090

Explanation:
Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

573E9091

Explanation:
Incorrect hardware configuration change detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

573E9092

Explanation:
Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

573E9500

Explanation:
Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

573E9902

Explanation:
System log entry only. No service action required.

573E9903

Explanation:
Tape device information was logged. Informational event, no service required.

573EC000

Explanation:
System log entry only. No service action required.

Response:
No action is required. This reference code is logged for information only.

573EC100

Explanation:
System log entry only. No service action required.

Response:
No action is required. This reference code is logged for information only.

573EC402

Explanation:
Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

573EFF3D

Explanation:
I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

573EFF6D

Explanation:

Recoverable system bus error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

(5746) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

57463000

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI01112](#)

57463202

Explanation:

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)

57463400

Explanation:

Device error has occurred.

Failing Item

- [FI00872](#)
- [DEVTERM](#)
- [FI00871](#)
- [FI01103](#)
- [FI01106](#)

57469020

Explanation:

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.
- A tape or tape library device is being virtualized multiple times to the same client partition.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)

- [PTFSRCH](#)

57469100**Explanation:**

Interface error detected by system or by tape unit.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

57469101**Explanation:**

Fibre Channel interface error detected.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FCIOA](#)
- [FCDEV](#)
- [FCCABLE](#)

57469102**Explanation:**

Gateway device detected a SCSI interface error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FI00871](#)
- [FCGATE](#)
- [FI00872](#)
- [DEVTERM](#)

57469103**Explanation:**

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [SASCABL](#)

57469104**Explanation:**

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)
- [USB_CBL](#)

57469105

Explanation:

Interface error detected by system or by tape unit.

Response

Do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Make sure that the network is properly configured and there is a connection to the device.

Failing Item

- [VTLNTWK](#)
- [FI00871](#)

57469200

Explanation:

Tape unit is not responding.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for

Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

57469201

Explanation:

Tape unit command timeout.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.
5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)
- [MEDIA](#)

57469202

Explanation:

Tape unit failed after Licensed Internal Code was loaded.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

57469210

Explanation:

Illegal or unsupported tape unit response.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [PTFSRCH](#)

57469211

Explanation:

Gateway device detected a bus protocol error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)
- [FCIOA](#)
- [FI00871](#)
- [ANYFC](#)
- [FCCABLE](#)
- [FI00872](#)
- [DEVTERM](#)

57469220

Explanation:

Hardware configuration change detected.

Response

The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

57469221

Explanation:

I/O path change occurred.

Response

No action required. This reference code is logged for information only.

57469300

Explanation:

Tape unit failure.

Failing Item

- [FI00871](#)

57469301

Explanation:

Tape device failure, redundancy lost.

Response

The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item

- [FI00871](#)

57469302

Explanation:

Tape device failure or media error.

Response

The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item

- [MEDIA](#)

- [FI00871](#)

57469303**Explanation:**

Gateway device failure.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)

57469304**Explanation:**

Tape unit failure.

Response

Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.
2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item

- [USER](#)
- [FI00871](#)

57469310**Explanation:**

Licensed Internal Code for the tape unit is not correct.

Failing Item

- [PTFSRCH](#)
- [FI00871](#)

57469320**Explanation:**

Tape device Licensed Internal Code failure.

Failing Item

- [FI00130](#)
- [FI00871](#)

57469321**Explanation:**

Gateway device Licensed Internal Code error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCCODE](#)

57469350**Explanation:**

Tape unit detected a read or write error on tape medium.

Response

A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

57469351**Explanation:**

Tape with excessive error rate was mounted in tape device.

Response

The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

57469355**Explanation:**

The data format is incorrect; the tape cannot be read.

Response

The tape unit has detected that the data format on the tape media is not supported or that the tape media

is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item

- [USER](#)
- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

57469500

Explanation:

Licensed Internal Code error.

Response

If the system is operational, perform a dump of the I/O processor data. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

57469501

Explanation:

Licensed Internal Code error.

Response

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

57469800

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

57469801

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

57469802

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

57469803

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

57469804

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

57469805

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

57469806

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

57469807**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

57469810**Explanation:**

Problem analysis has determined a part should be replaced.

Response

This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only.)

57469899**Explanation:**

Problem analysis completed, the problem has been corrected.

Response

This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

57469900**Explanation:**

Licensed Internal Code for tape unit was not upgraded.

Response

The I/O processor loading of Licensed Internal Code (LIC) to the programmable tape unit was not completed.

(574E) Reference codes

574E1310**Explanation:**

The I/O adapter resource not available.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform [TUPIP04](#) to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item

- [USER](#)

57469901**Explanation:**

Tape performance statistics logged.

Response

No action required. This reference code is logged for information only.

57469902**Explanation:**

An IOP dump was initiated.

Response:

No action required.

57469903**Explanation:**

Tape device information logged.

Response

No action required. This reference code is logged for information only. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

5746FFF6**Explanation:**

Tape volume statistics logged (no action required).

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

574E3000**Explanation:**

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

574E3020**Explanation:**

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

574E3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

574E3140**Explanation:**

System log entry only. No service action required.

574E3202**Explanation:**

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

574E3400**Explanation:**

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

574E3401**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

574E3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

574E34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

574E3601**Explanation:**

System log entry only. No service action required.

574E4010**Explanation:**

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

574E4020**Explanation:**

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

574E4030**Explanation:**

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

574E4040**Explanation:**

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

574E4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

574E4050**Explanation:**

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

574E4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

574E4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

574E4070**Explanation:**

System log entry only. No service action required.

574E4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

574E4101**Explanation:**

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

574E4110**Explanation:**

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

574E4150**Explanation:**

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

574E4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

574E70DD

Explanation:

Disrupt device command completed successfully.

574E8008

Explanation:

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

574E8009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

574E8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

574E8130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

574E8140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

574E8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

574E8145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to

determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

574E8146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

574E8150

Explanation:

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

574E8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

574E8155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

574E8156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

574E8157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager

to manually re-IPL the virtual I/O processor and Vary On attached resources.

- If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.

3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

574E8300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

574E8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

574E8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

574E8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

574E8404

Explanation:

System log entry only. No service action required.

574E9000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

574E9001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

574E9002

Explanation:
Device error.

Failing Item

- [NEXTLVL](#)

574E9008

Explanation:
I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

574E9010

Explanation:
Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

574E9011

Explanation:
Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

574E9020

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

574E9021

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

574E9022

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

574E9023

Explanation:
One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

574E9024

Explanation:
Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

574E9025

Explanation:
Incompatible device.

Response:
An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

574E9026

Explanation:
Disk unit not found at required physical location.

Response:
A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

574E9027

Explanation:
Array not functional due to parity out of synchronization.

Response:
Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

574E9028**Explanation:**

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOCS](#)

574E9029**Explanation:**

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

574E9030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

574E9031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

574E9032**Explanation:**

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

574E9040**Explanation:**

Re-synchronization of array parity was initiated.

Response

No action required.

574E9041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

574E9042**Explanation:**

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

574E9050**Explanation:**

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

574E9051**Explanation:**

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

574E9052**Explanation:**

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

574E9054**Explanation:**

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

574E9055**Explanation:**

Write cache data is available for attached storage IOA.

Response:

No service action required.

574E9070**Explanation:**

System log entry only. No service action required.

574E9071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

574E9072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

574E9073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

574E9074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

574E9075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

574E9076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

574E9081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

574E9082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

574E9083**Explanation:**

System log entry only. No service action required.

574E9084**Explanation:**

System log entry only. No service action required.

574E9090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

574E9091

Explanation:

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

574E9092

Explanation:

Disk unit requires initialization before use.

(574F) Reference codes

574F1310

Explanation:

I/O adapter resource not available.

Response

Failing Item

- [SIP3134](#)

574E9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

574E9903

Explanation:

Tape device information was logged. Informational event, no service required.

574EC000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

574EC402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

574EFF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

574F3006

Explanation:

System bus error.

Failing Item

- [AUXIOA](#)
- [ANYBRDG](#)
- [IOP](#)

574F3100

Explanation:

Interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [AUXCBL](#)
- [AUXIOA](#)
- [PRIMIOA](#)

574F3101

Explanation:

Interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [AUXCBL](#)
- [AUXIOA](#)
- [PRIMIOA](#)

574F3400

Explanation:

SCSI resource error.

Failing Item

- [AUXCBL](#)
- [PRIMIOA](#)

574F6075

Explanation:

I/O processor resource not available.

Failing Item

- [PTFSRCH](#)

574F8008

Explanation:

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [AUXIOA](#)

574F8009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

574F8130

Explanation:

IOA detected recoverable SCSI bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

574F8131

Explanation:

IOA detected recoverable SCSI bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

574F8140

Explanation:

IOA detected recoverable SCSI bus error.

Response

No action is required. This reference code is logged for information only.

574F8141

Explanation:

IOA detected recoverable SCSI resource error.

Response

No action is required. This reference code is logged for information only.

574F8145**Explanation:**

A recoverable error occurred.

Failing Item

- [AUXIOA](#)

574F8150**Explanation:**

A permanent failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [AUXIOA](#)
- [ANYBRDG](#)

574F8151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

574F8155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

574F8156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

574F8157**Explanation:**

I/O adapter card temporary error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDOCS](#)

574F8300**Explanation:**

IOA hardware or PCI bus error.

Failing Item

- [AUXIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

574F8301**Explanation:**

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

574F8302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [AUXIOA](#)

574F9055**Explanation:**

Write cache data is available for attached storage IOA.

Response:

No service action required.

574F9071**Explanation:**

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

574F9072**Explanation:**

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

(5767) Reference codes

5767A001**Explanation:**

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDGP01](#)
-

5767B9B0

(5768) Reference codes

5768A001**Explanation:**

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDGP01](#)
-

5768B9B0

(576A) Reference codes

576AA001**Explanation:**

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)
-

576AB9B0

574F9073**Explanation:**

Disconnected, incompatible, or non-operational storage IOA.

Failing Item

- [IOPIP41](#)
-

574FFF3D**Explanation:**

I/O adapter detected recoverable error.

Failing Item

- [AUXIOA](#)
 - [ANYBRDG](#)
-

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
 - [AJDGP01](#)
-

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
 - [AJDGP01](#)
-

Explanation:

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
 - [AJDG301](#)
-

(576B) Reference codes

576B3020

Explanation:

Configuration error on port 0.

Response:

Too many devices have been configured on port 0.
Change the configuration.

Failing Item

- [SVCDOS](#)

576B3021

Explanation:

Configuration error on port 1.

Response:

Too many devices have been configured on port 1.
Change the configuration.

Failing Item

- [SVCDOS](#)

576B3100

Explanation:

Interface error on port 0.

576B3101

Explanation:

Interface error on port 1.

576B3120

Explanation:

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure.
If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

576B3121

Explanation:

An open port was detected on port 1.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure.
If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

576B3140

Explanation:

Port 0 is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

576B3141

Explanation:

Port 1 is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

576B3400

Explanation:

Device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

576B3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

576B34FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

576B4150

Explanation:

I/O adapter detected PCI bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [FCIOA](#)

576B8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

576B8130

Explanation:

Recovered Fibre Channel interface error on port 0.

Response

No action required. This reference code is logged for information only.

576B8131

Explanation:

Recovered Fibre Channel interface error on port 1.

Response:

No action required. This reference code is logged for information only.

576B8150

Explanation:

A permanent I/O adapter failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

576B8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

576B8300

Explanation:

IOA hardware error or PCI bus error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)
- [OPT_CLN](#)

576B8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

- [OPT_CLN](#)

576B8302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [FCIOA](#)
- [OPT_CLN](#)

576B9500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

576B9903**Explanation:**

Tape device information was logged. Informational event, no service required.

576BB000

(576C) Reference codes

576CA001**Explanation:**

Communications I/O adapter software error or failure configuring hardware.

Failing Item

- [NEXTLVL](#)

576CB940**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

(576D) Reference codes

576DA001**Explanation:**

I/O adapter Licensed Internal Code error detected.

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

576BB402**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

576BC000**Explanation:**

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

576BC402**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

- [AJDGP01](#)

- [MA_BRDG](#)

576CB941**Explanation:**

One of the ports on the IOA has failed.

Failing Item

- [FI00719](#)
- [AJDGP01](#)

Failing Item

- [AJDG301](#)

576DB9B0

Explanation:
I/O adapter hardware error detected.

- [AJDG301](#)

Failing Item

- [IOA](#)

(576E) Reference codes

576EA001

Explanation:
I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

576EB9B0

Explanation:
I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

(576F) Reference codes

576FA001

Explanation:
I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDGP01](#)

576FB9A0

Explanation:
I/O adapter hardware error detected.

Failing Item

- [FI00719](#)

- [FI00718](#)
- [AJDGP01](#)
- [MA_BRDG](#)

576FB9B0

Explanation:
I/O adapter hardware error detected.

Failing Item

- [FI00719](#)
- [AJDG301](#)
- [MA_BRDG](#)

(5774) Reference codes

57743020

Explanation:
Configuration error on port 0.

Response:
Too many devices have been configured on port 0.
Change the configuration.

Failing Item

- [SVCDOS](#)

57743021

Explanation:
Configuration error on port 1.

Response:

Too many devices have been configured on port 1.
Change the configuration.

Failing Item

- [SVCDOS](#)

57743100

Explanation:
Interface error on port 0.

57743101

Explanation:
Interface error on port 1.

57743120

Explanation:
An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

57743121

Explanation:

An open port was detected on port 1.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

57743140

Explanation:

Port 0 is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

57743141

Explanation:

Port 1 is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

57743400

Explanation:

Device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

57743405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

577434FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

57744150

Explanation:

I/O adapter detected PCI bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [FCIOA](#)

57748100**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

57748130**Explanation:**

Recovered Fibre Channel interface error on port 0.

Response

No action required. This reference code is logged for information only.

57748131**Explanation:**

Recovered Fibre Channel interface error on port 1.

Response:

No action required. This reference code is logged for information only.

57748150**Explanation:**

A permanent I/O adapter failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

57748151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

57748300**Explanation:**

IOA hardware error or PCI bus error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)
- [OPT_CLN](#)

57748301**Explanation:**

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)
- [OPT_CLN](#)

57748302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [FCIOA](#)
- [OPT_CLN](#)

57749500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57749903**Explanation:**

Tape device information was logged. Informational event, no service required.

5774B000**Explanation:**

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

5774B402**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

5774C000**Explanation:**

System log entry only, no service action required.

(577D) Reference codes

577D3020**Explanation:**

Configuration error on port 0.

Response:

Too many devices have been configured on port 0.
Change the configuration.

Failing Item

- [SVCDOS](#)

577D3021**Explanation:**

Configuration error on port 1.

Response:

Too many devices have been configured on port 1.
Change the configuration.

Failing Item

- [SVCDOS](#)

577D3100**Explanation:**

Interface error on port 0.

577D3101**Explanation:**

Interface error on port 1.

577D3120**Explanation:**

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.

Response:

No action is required. This reference code is logged for information only.

5774C402**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

3. This error can occur if there is a port or link failure.
If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

577D3121**Explanation:**

An open port was detected on port 1.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure.
If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

577D3140**Explanation:**

Port 0 is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

577D3141**Explanation:**

Port 1 is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

577D3400**Explanation:**

Device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

577D3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

577D34FF**Explanation:**

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable.

No action is required. This reference code is logged for information only.

577D4150**Explanation:**

I/O adapter detected PCI bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [FCIOA](#)

577D8100**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

577D8130**Explanation:**

Recovered Fibre Channel interface error on port 0.

Response

No action required. This reference code is logged for information only.

577D8131**Explanation:**

Recovered Fibre Channel interface error on port 1.

Response:

No action required. This reference code is logged for information only.

577D8150**Explanation:**

A permanent I/O adapter failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

577D8151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

577D8300

Explanation:

IOA hardware error or PCI bus error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)
- [OPT_CLN](#)

577D8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)
- [OPT_CLN](#)

577D8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [FCIOA](#)
- [OPT_CLN](#)

577D9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

577D9903

Explanation:

Tape device information was logged. Informational event, no service required.

577DB000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

577DB402

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

577DC000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

577DC402

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

(577F) Reference codes

577F3020

Explanation:

Configuration error on port 0.

Response:

Too many devices have been configured on port 0. Change the configuration.

Failing Item

- [SVCDOS](#)

577F3021

Explanation:

Configuration error on port 1.

Response:

Too many devices have been configured on port 1. Change the configuration.

Failing Item

- [SVCDOS](#)

577F3100**Explanation:**

Interface error on port 0.

577F3101**Explanation:**

Interface error on port 1.

577F3120**Explanation:**

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

577F3121**Explanation:**

An open port was detected on port 1.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

577F3140**Explanation:**

Port 0 is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

577F3141**Explanation:**

Port 1 is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

577F3400**Explanation:**

Device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

577F3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

577F34FF**Explanation:**

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

577F4150

Explanation:

I/O adapter detected PCI bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [FCIOA](#)

577F8100

Explanation:

Licensed Internal Code error or unexpected condition in LIC.

Problem determination:

If this SRC appears in a serviceable event view then service is required. If this event does not appear in a serviceable event view then no service is required. The condition was temporary and it has been corrected.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

577F8130

Explanation:

Recovered Fibre Channel interface error on port 0.

Response

No action required. This reference code is logged for information only.

577F8131

Explanation:

Recovered Fibre Channel interface error on port 1.

Response:

No action required. This reference code is logged for information only.

577F8150

Explanation:

A permanent I/O adapter failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

577F8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

577F8300

Explanation:

IOA hardware error or PCI bus error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)
- [OPT_CLN](#)

577F8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)
- [OPT_CLN](#)

577F8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [FCIOA](#)
- [OPT_CLN](#)

577F9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

577F9903

Explanation:

Tape device information was logged. Informational event, no service required.

577FB000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

577FB402

Explanation:

Licensed Internal Code error.

(578E) Reference codes

578E3020

Explanation:

Configuration error on port 0.

Response:

Too many devices have been configured on port 0. Change the configuration.

Failing Item

- [SVCDPCS](#)

578E3021

Explanation:

Configuration error on port 1.

Response:

Too many devices have been configured on port 1. Change the configuration.

Failing Item

- [SVCDPCS](#)

578E3022

Explanation:

Configuration error on port 2.

Response:

Too many devices have been configured on port 2. Change the configuration.

Failing Item

- [SVCDPCS](#)

Failing Item

- [PTFSRCH](#)

577FC000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

577FC402

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

578E3023

Explanation:

Configuration error on port 3.

Response:

Too many devices have been configured on port 3. Change the configuration.

Failing Item

- [SVCDPCS](#)

578E3100

Explanation:

Interface error on port 0.

578E3101

Explanation:

Interface error on port 1.

578E3102

Explanation:

Interface error on port 2.

578E3103

Explanation:

Interface error on port 3.

578E3120

Explanation:

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

578E3121

Explanation:

An open port was detected on port 1.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

578E3122

Explanation:

An open port was detected on port 2.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

578E3123

Explanation:

An open port was detected on port 3.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

578E3140

Explanation:

Port 0 is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

578E3141

Explanation:

Port 1 is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

578E3142

Explanation:

Port 2 is now operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action, since the port is now operational.

578E3143

Explanation:

Port 3 is now operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action, since the port is now operational.

578E3400**Explanation:**

Device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

578E3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

578E34FF**Explanation:**

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

578E4150**Explanation:**

I/O adapter detected PCI bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [FCIOA](#)

578E8100**Explanation:**

Licensed Internal Code error or unexpected condition in LIC.

Problem determination:

If this SRC appears in a serviceable event view then service is required. If this event does not appear in a serviceable event view then no service is required. The condition was temporary and it has been corrected.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

578E8130**Explanation:**

Recovered Fibre Channel interface error on port 0.

Response

No action required. This reference code is logged for information only.

578E8131**Explanation:**

Recovered Fibre Channel interface error on port 1.

Response:

No action required. This reference code is logged for information only.

578E8132**Explanation:**

Recovered Fibre Channel interface error on port 2.

Response:

No action required. This reference code is logged for information only.

578E8133**Explanation:**

Recovered Fibre Channel interface error on port 3.

Response:

No action required. This reference code is logged for information only.

578E8150

Explanation:

A permanent I/O adapter failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

578E8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

578E8300

Explanation:

IOA hardware error or PCI bus error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)
- [OPT_CLN](#)

578E8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)
- [OPT_CLN](#)

578E8302

Explanation:

Missing Licensed Internal Code.

Response:

(578F) Reference codes

578F3020

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDPCS](#)
- [FCIOA](#)
- [OPT_CLN](#)

578E9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

578E9903

Explanation:

Tape device information was logged. Informational event, no service required.

578EB000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

578EB402

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

578EC000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

578EC402

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

Explanation:

Configuration error on port 0.

Response:

Too many devices have been configured on port 0.
Change the configuration.

Failing Item

- [SVCDOS](#)

578F3021**Explanation:**

Configuration error on port 1.

Response:

Too many devices have been configured on port 1.
Change the configuration.

Failing Item

- [SVCDOS](#)

578F3100**Explanation:**

Interface error on port 0.

578F3101**Explanation:**

Interface error on port 1.

578F3120**Explanation:**

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure.
If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

578F3121**Explanation:**

An open port was detected on port 1.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure.
If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

578F3140**Explanation:**

Port 0 is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

578F3141**Explanation:**

Port 1 is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

578F3400**Explanation:**

Device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

578F3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

578F34FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

578F4150

Explanation:

I/O adapter detected PCI bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [FCIOA](#)

578F8100

Explanation:

Licensed Internal Code error or unexpected condition in LIC.

Problem determination:

If this SRC appears in a serviceable event view then service is required. If this event does not appear in a serviceable event view then no service is required. The condition was temporary and it has been corrected.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

578F8130

Explanation:

Recovered Fibre Channel interface error on port 0.

Response

No action required. This reference code is logged for information only.

578F8131

Explanation:

Recovered Fibre Channel interface error on port 1.

Response:

No action required. This reference code is logged for information only.

578F8150

Explanation:

A permanent I/O adapter failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

578F8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

578F8300

Explanation:

IOA hardware error or PCI bus error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)
- [OPT_CLN](#)

578F8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)
- [OPT_CLN](#)

578F8302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [FCIOA](#)
- [OPT_CLN](#)

578F9500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

578F9903**Explanation:**

Tape device information was logged. Informational event, no service required.

578FB000**Explanation:**

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

578FB402**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

578FC000**Explanation:**

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

578FC402**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

(579D) Reference codes

579D3020**Explanation:**

Configuration error on port 0.

Response:

Too many devices have been configured on port 0. Change the configuration.

Failing Item

- [SVCDOS](#)

579D3021**Explanation:**

Configuration error on port 1.

Response:

Too many devices have been configured on port 1. Change the configuration.

Failing Item

- [SVCDOS](#)

579D3100

Explanation:

Interface error on port 0.

579D3101**Explanation:**

Interface error on port 1.

579D3120**Explanation:**

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

579D3121

Explanation:

An open port was detected on port 1.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

579D3140

Explanation:

Port 0 is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

579D3141

Explanation:

Port 1 is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

579D3400

Explanation:

Device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)

- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

579D3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

579D34FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

579D4150

Explanation:

I/O adapter detected PCI bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [FCIOA](#)

579D8100

Explanation:

Licensed Internal Code error or unexpected condition in LIC.

Problem determination:

If this SRC appears in a serviceable event view then service is required. If this event does not appear in a serviceable event view then no service is required. The condition was temporary and it has been corrected.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

579D8130**Explanation:**

Recovered Fibre Channel interface error on port 0.

Response

No action required. This reference code is logged for information only.

579D8131**Explanation:**

Recovered Fibre Channel interface error on port 1.

Response:

No action required. This reference code is logged for information only.

579D8150**Explanation:**

A permanent I/O adapter failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

579D8151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

579D8300**Explanation:**

IOA hardware error or PCI bus error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)
- [OPT_CLN](#)

579D8301**Explanation:**

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)
- [OPT_CLN](#)

579D8302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [FCIOA](#)
- [OPT_CLN](#)

579D9500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

579D9903**Explanation:**

Tape device information was logged. Informational event, no service required.

579DB000**Explanation:**

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

579DB402**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

579DC000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

(57B1) Reference codes

57B11310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B13000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57B13020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57B13100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57B13140

Explanation:

System log entry only. No service action required.

57B13202

Explanation:

Storage subsystem configuration error.

579DC402

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

57B13400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57B13401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57B13405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.

- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process.
If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57B134FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57B13601

Explanation:

System log entry only. No service action required.

57B14010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57B14020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57B14030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57B14040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57B14041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57B14050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57B14060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

57B14061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

57B14070

Explanation:

System log entry only. No service action required.

57B14080

Explanation:

Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination:

Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item

- [SIP3295](#)

57B14085**Explanation:**

Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item

- [NEXTLVL](#)

57B14100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57B14101**Explanation:**

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57B14110**Explanation:**

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57B14120**Explanation:**

SAS cable VPD cannot be read.

Failing Item

- [SASCABL](#)

57B14121**Explanation:**

SAS cable is missing.

Failing Item

- [SASCABL](#)

57B14150**Explanation:**

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57B14160**Explanation:**

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57B170DD**Explanation:**

Disrupt device command completed successfully.

57B18009**Explanation:**

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

57B18100**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B18130**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57B18140**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57B18141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57B18145**Explanation:**

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57B18146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57B18150**Explanation:**

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57B18151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B18155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B18156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B18157**Explanation:**

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

57B18300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57B18301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B18302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57B18400**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57B18404**Explanation:**

System log entry only. No service action required.

57B19000**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B19001**Explanation:**

Device configuration error.

Failing Item

- [NEXTLVL](#)

57B19002**Explanation:**

Device error.

Failing Item

- [NEXTLVL](#)

57B19008**Explanation:**

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57B19010**Explanation:**

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57B19011**Explanation:**

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57B19020**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B19021**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B19022**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B19023**Explanation:**

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57B19024**Explanation:**

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57B19025**Explanation:**

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B19026**Explanation:**

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57B19027**Explanation:**

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57B19028**Explanation:**

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOS](#)

57B19029**Explanation:**

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57B19030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B19031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57B19032**Explanation:**

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B19040**Explanation:**

Re-synchronization of array parity was initiated.

Response

No action required.

57B19041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57B19042**Explanation:**

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57B19050**Explanation:**

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57B19051**Explanation:**

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57B19052**Explanation:**

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57B19054**Explanation:**

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57B19055**Explanation:**

Write cache data is available for attached storage IOA.

Response:

No service action required.

57B19070**Explanation:**

System log entry only. No service action required.

57B19071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57B19072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57B19073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57B19074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57B19075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57B19076

Explanation:

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57B19081

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B19082

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B19083

Explanation:

System log entry only. No service action required.

57B19084

Explanation:

System log entry only. No service action required.

57B19090

Explanation:

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57B19091

Explanation:

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57B19092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57B19500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57B19903

Explanation:

Tape device information was logged. Informational event, no service required.

57B1C000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57B1C402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57B1FF3D

(57B3) Reference codes

57B31310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B33000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57B33020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57B33100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57B33140

Explanation:

System log entry only. No service action required.

57B33202

Explanation:

Storage subsystem configuration error.

Response:

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOCS](#)

57B33400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57B33401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57B33405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.

- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57B334FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57B33601

Explanation:

System log entry only. No service action required.

57B34010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57B34020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57B34030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57B34040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57B34041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57B34050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57B34060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)

- [SASCABL](#)

- [SASEXP](#)

57B34061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57B34070

Explanation:

System log entry only. No service action required.

57B34100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57B34101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57B34110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57B34150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57B34160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)

- [STORIOA](#)

57B370DD

Explanation:

Disrupt device command completed successfully.

57B38008

Explanation:

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

57B38009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

57B38100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B38130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57B38140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57B38141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57B38145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57B38146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57B38150

Explanation:

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow

attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)

- [ANYBRDG](#)

57B38151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

- [STORIOA](#)

57B38155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)

- [STORIOA](#)

57B38156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)

- [STORIOA](#)

57B38157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.

- LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

57B38300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or

an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.

2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57B38301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B38302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57B38400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57B38404

Explanation:

System log entry only. No service action required.

57B39000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B39001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57B39002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

57B39008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57B39010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57B39011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57B39020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B39021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B39022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B39023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57B39024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57B39025**Explanation:**

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B39026**Explanation:**

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57B39027**Explanation:**

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57B39028**Explanation:**

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOCS](#)

57B39029**Explanation:**

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57B39030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B39031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57B39032**Explanation:**

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B39040**Explanation:**

Re-synchronization of array parity was initiated.

Response

No action required.

57B39041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57B39042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57B39050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57B39051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57B39052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57B39054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57B39055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

57B39070

Explanation:

System log entry only. No service action required.

57B39071

Explanation:

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57B39072

Explanation:

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57B39073

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57B39074

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57B39075

Explanation:

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57B39076

Explanation:

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57B39081

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B39082

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B39083

Explanation:
System log entry only. No service action required.

57B39084

Explanation:
System log entry only. No service action required.

57B39090

Explanation:
Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57B39091

Explanation:
Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57B39092

Explanation:
Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57B39500

Explanation:
Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57B39903

Explanation:
Tape device information was logged. Informational event, no service required.

57B3C000

Explanation:
System log entry only. No service action required.

Response:
No action is required. This reference code is logged for information only.

57B3C402

Explanation:
Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57B3FF3D**Explanation:**

I/O adapter detected a recoverable error.

(57B4) Reference codes

57B41310**Explanation:**

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B43000**Explanation:**

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57B43020**Explanation:**

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57B43100**Explanation:**

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57B43140**Explanation:**

System log entry only. No service action required.

57B43202**Explanation:**

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

Failing Item

- [SVCDOS](#)

57B43400**Explanation:**

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57B43401**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57B43405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57B434FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57B43601

Explanation:

System log entry only. No service action required.

57B44010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57B44020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57B44030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57B44040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57B44041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57B44050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57B44060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

57B44061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57B44070

Explanation:

System log entry only. No service action required.

57B44080

Explanation:

Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination:

Verify that the storage controller is placed in a valid location for this type of controller and enclosure.

Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item

- [SIP3295](#)

57B44085

Explanation:

Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item

- [NEXTLVL](#)

57B44100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57B44101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57B44110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57B44120

Explanation:

SAS cable VPD cannot be read.

Failing Item

- [SASCABL](#)

57B44121

Explanation:

SAS cable is missing.

Failing Item

- [SASCABL](#)

57B44150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57B44160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57B470DD

Explanation:

Disrupt device command completed successfully.

57B48009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

57B48100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B48130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57B48140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57B48141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57B48145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57B48146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57B48150

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57B48151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B48155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B48156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B48157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.

2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

57B48300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57B48301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B48302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

57B48400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57B48404

Explanation:

System log entry only. No service action required.

57B49000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B49001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57B49002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

57B49008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57B49010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57B49011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57B49020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B49021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B49022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B49023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57B49024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57B49025

Explanation:

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B49026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57B49027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57B49028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOCS](#)

57B49029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57B49030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B49031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57B49032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B49040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

57B49041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57B49042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57B49050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57B49051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57B49052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57B49054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57B49055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

57B49070

Explanation:

System log entry only. No service action required.

57B49071

Explanation:

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57B49072

Explanation:

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57B49073

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57B49074

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57B49075

Explanation:

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57B49076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57B49081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B49082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B49083**Explanation:**

System log entry only. No service action required.

57B49084**Explanation:**

System log entry only. No service action required.

57B49090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57B49091**Explanation:**

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57B49092**Explanation:**

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57B49500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57B49903**Explanation:**

Tape device information was logged. Informational event, no service required.

57B4C000**Explanation:**

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57B4C402**Explanation:**

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57B4FF3D

Explanation:

(57B5) Reference codes

57B51310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B53000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57B53020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57B53100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57B53140

Explanation:

System log entry only. No service action required.

57B53202

Explanation:

Storage subsystem configuration error.

Response:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOCS](#)

57B53400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57B53401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57B53405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.

- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57B534FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57B53601

Explanation:

System log entry only. No service action required.

57B54010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57B54020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57B54030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57B54040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57B54041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57B54050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57B54060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)

- [SASCABL](#)

- [SASEXP](#)

57B54061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57B54070

Explanation:

System log entry only. No service action required.

57B54080

Explanation:

Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination:

Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item

- [SIP3295](#)

57B54085

Explanation:

Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item

- [NEXTLVL](#)

57B54100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57B54101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57B54110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57B54120

Explanation:

SAS cable VPD cannot be read.

Failing Item

- [SASCABL](#)

57B54121

Explanation:

SAS cable is missing.

Failing Item

- [SASCABL](#)

57B54150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57B54160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57B570DD

Explanation:

Disrupt device command completed successfully.

57B58100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B58130**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57B58140**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57B58141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57B58145**Explanation:**

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57B58146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57B58150**Explanation:**

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57B58151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B58155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B58156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B58157**Explanation:**

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other

resources attached to the virtual I/O processor may need to be Varied On.

- If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57B58300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion

unit, continue with the next step. Otherwise this ends the procedure.

2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57B58301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B58302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57B58400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57B58404

Explanation:

System log entry only. No service action required.

57B59000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B59001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57B59002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

57B59008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57B59011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57B59020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B59021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B59022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B59023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57B59024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57B59025

Explanation:

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B59026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57B59027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57B59028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOS](#)

57B59029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57B59030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B59031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57B59032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B59040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

57B59041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57B59042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57B59050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57B59051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57B59052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57B59054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57B59055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

57B59070

Explanation:

System log entry only. No service action required.

57B59071

Explanation:

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57B59072

Explanation:

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57B59073

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57B59074

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57B59075

Explanation:

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57B59076

Explanation:

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57B59081

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B59082

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B59083

Explanation:
System log entry only. No service action required.

57B59084

Explanation:
System log entry only. No service action required.

57B59090

Explanation:
Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57B59091

Explanation:
Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57B59092

Explanation:
Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57B59500

Explanation:
Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57B59903

Explanation:
Tape device information was logged. Informational event, no service required.

57B5C000

Explanation:
System log entry only. No service action required.

Response:
No action is required. This reference code is logged for information only.

57B5C402

Explanation:
Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57B5FF3D

Explanation:
I/O adapter detected a recoverable error.

- [ANYBRDG](#)

Failing Item

- [STORIOA](#)

(57B7) Reference codes

57B71310

Explanation:
I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B73100

Explanation:
Device bus interface error occurred.

Failing Item

- [AUXIOA](#)
- [PRIMIOA](#)
- [BACKPLN](#)

57B73400

Explanation:
Unknown resource error.

Failing Item

- [PRIMIOA](#)
- [AUXIOA](#)
- [BACKPLN](#)

57B74100

Explanation:
Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57B74101

Explanation:
Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57B74150

Explanation:
I/O adapter detected PCI bus error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [AUXIOA](#)

57B74160

Explanation:
I/O adapter detected and recovered a PCI bus error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [AUXIOA](#)

57B78008

Explanation:
A permanent cache battery pack failure occurred.

Response:
NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be

posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [AUXIOA](#)

57B78009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

57B78100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

57B78130

Explanation:

I/O adapter detected recoverable bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [PRIMIOA](#)
- [AUXIOA](#)
- [BACKPLN](#)

57B78140

Explanation:

I/O adapter detected recoverable bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [PRIMIOA](#)
- [AUXIOA](#)
- [BACKPLN](#)

57B78150

Explanation:

A permanent failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [AUXIOA](#)
- [ANYBRDG](#)

57B78151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

57B78155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

57B78156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

57B78157

Explanation:

I/O adapter card error.

Response:

Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable

error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter.

Failing Item

- [SVCDOCS](#)

57B78300

Explanation:

IOA hardware or PCI bus error.

Failing Item

- [AUXIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57B78301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [AUXIOA](#)

57B78302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [AUXIOA](#)

57B79055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

57B79071

(57B8) Reference codes

57B81310

Explanation:

The I/O adapter resource not available.

Response

Explanation:

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

57B79072

Explanation:

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

57B79073

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57B79076

Explanation:

Missing remote I/O adapter.

Failing Item

- [SIP3147](#)
- [PRIMIOA](#)
- [AUXIOA](#)
- [BACKPLN](#)

57B7FF3D

Explanation:

I/O adapter detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [AUXIOA](#)
- [ANYBRDG](#)

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B83000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57B83020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57B83100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57B83140

Explanation:

System log entry only. No service action required.

57B83202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOCS](#)

57B83400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57B83401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)

- [DEVBPLN](#)

57B83405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57B834FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57B83601

Explanation:

System log entry only. No service action required.

57B84010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57B84020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57B84030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57B84040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57B84041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57B84050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57B84060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)

- [SASEXP](#)

57B84061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57B84070

Explanation:

System log entry only. No service action required.

57B84100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57B84101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57B84110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57B84150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57B84160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57B870DD

Explanation:

Disrupt device command completed successfully.

57B88008

Explanation:

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

57B88009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

57B88100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B88130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57B88140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57B88141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57B88145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57B88146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57B88150**Explanation:**

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57B88151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B88155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B88156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B88157**Explanation:**

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.

3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57B88300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

- [PTFSRCH](#)

57B88301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57B88302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57B88400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57B88404

Explanation:

System log entry only. No service action required.

57B89000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57B89001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57B89002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

57B89008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57B89010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57B89011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57B89020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B89021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B89022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57B89023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57B89024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57B89025

Explanation:

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)

- [FI02112](#)

57B89026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57B89027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57B89028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDPCS](#)

57B89029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57B89030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B89031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57B89032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57B89040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

57B89041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57B89042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57B89050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57B89051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57B89052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57B89054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57B89055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

57B89070

Explanation:

System log entry only. No service action required.

57B89071

Explanation:

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57B89072

Explanation:

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57B89073

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57B89074

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57B89075

Explanation:

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57B89076

Explanation:

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57B89081

Explanation:

Device error.

Failing Item

- [FI01105](#)

- [STORIOA](#)

57B89082

Explanation:

Device error.

Failing Item

- [FI01105](#)

- [STORIOA](#)

57B89083

Explanation:

System log entry only. No service action required.

57B89084

Explanation:

System log entry only. No service action required.

57B89090

Explanation:

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57B89091

Explanation:

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57B89092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

(57BB) Reference codes

57BB1310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B89500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57B89903

Explanation:

Tape device information was logged. Informational event, no service required.

57B8C000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57B8C402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57B8FF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57BB3000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57BB3020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57BB3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57BB3140**Explanation:**

System log entry only. No service action required.

57BB3202**Explanation:**

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

57BB3400**Explanation:**

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57BB3401**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57BB3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57BB34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

57BB3601**Explanation:**

System log entry only. No service action required.

57BB4010**Explanation:**

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57BB4020**Explanation:**

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57BB4030**Explanation:**

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57BB4040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57BB4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57BB4050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57BB4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

57BB4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57BB4070

Explanation:

System log entry only. No service action required.

57BB4080

Explanation:

Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination:

Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item

- [SIP3295](#)

57BB4085

Explanation:

Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item

- [NEXTLVL](#)

57BB4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57BB4101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57BB4110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57BB4120

Explanation:

SAS cable VPD cannot be read.

Failing Item

- [SASCABL](#)

57BB4121

Explanation:

SAS cable is missing.

Failing Item

- [SASCABL](#)

57BB4150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57BB4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57BB70DD

Explanation:

Disrupt device command completed successfully.

57BB8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57BB8130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57BB8140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57BB8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57BB8145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57BB8146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57BB8150**Explanation:**

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57BB8151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57BB8155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57BB8156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57BB8157**Explanation:**

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

57BB8300**Explanation:**

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57BB8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57BB8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

57BB8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57BB8404

Explanation:

System log entry only. No service action required.

57BB9000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57BB9001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57BB9002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

57BB9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57BB9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57BB9020**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57BB9021**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57BB9022**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57BB9023**Explanation:**

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57BB9024**Explanation:**

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57BB9025**Explanation:**

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57BB9026**Explanation:**

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57BB9027**Explanation:**

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57BB9028**Explanation:**

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCD0CS](#)

57BB9029**Explanation:**

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57BB9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57BB9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57BB9032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57BB9040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

57BB9041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57BB9042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57BB9050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57BB9051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57BB9052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57BB9054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57BB9055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

57BB9070**Explanation:**

System log entry only. No service action required.

57BB9071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57BB9072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57BB9073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57BB9074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Problem determination:

The 57BB storage adapter has been paired with another storage adapter that is not capable of similar functions or controlling the same set of devices. Cache on both adapters has been disabled. The adapters will run together without cache. To run with cache install compatible storage adapters.

Failing Item

- [SIP3141](#)

57BB9075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57BB9076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57BB9081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57BB9082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57BB9083**Explanation:**

System log entry only. No service action required.

57BB9084**Explanation:**

System log entry only. No service action required.

57BB9090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57BB9091**Explanation:**

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57BB9092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57BB9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57BB9903

(57C3) Reference codes

57C31310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57C31511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

Explanation:

Tape device information was logged. Informational event, no service required.

57BBC000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57BBC402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57BBFF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57C31515

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)

- [SASEXP](#)

57C31521**Explanation:**

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

57C31525**Explanation:**

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

57C33000**Explanation:**

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57C33002**Explanation:**

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002

problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

57C33020**Explanation:**

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57C33100**Explanation:**

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57C33109**Explanation:**

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

57C33140**Explanation:**

System log entry only. No service action required.

57C33202**Explanation:**

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDPCS](#)

57C33400**Explanation:**

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57C33401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57C33405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57C334FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57C33601

Explanation:

System log entry only. No service action required.

57C34010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57C34020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57C34030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57C34040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57C34041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57C34050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57C34060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

57C34061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

57C34070

Explanation:

System log entry only. No service action required.

57C34080

Explanation:

Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination:

Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item

- [SIP3295](#)

57C34085

Explanation:

Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item

- [NEXTLVL](#)

57C34100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57C34101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57C34102

Explanation:

Internal device bus fabric performance degradation.

Failing Item

- [SIP3254](#)

57C34110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57C34120

Explanation:

SAS cable VPD cannot be read.

Failing Item

- [SASCABL](#)

57C34121

Explanation:

SAS cable is missing.

Failing Item

- [SASCABL](#)

57C34150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57C34160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57C370DD

Explanation:

Disrupt device command completed successfully.

57C37604

Explanation:

A fatal error occurred on fan 16.

Failing Item

- [DISKFAN](#)

57C37614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

57C37624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

57C37634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

57C37644

Explanation:

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

57C37654

Explanation:

A fatal error occurred on fan 5.

Failing Item

- [DISKFAN](#)

57C37664

Explanation:

A fatal error occurred on fan 6.

Failing Item

- [DISKFAN](#)

57C37674

Explanation:

A fatal error occurred on fan 7.

Failing Item

- [DISKFAN](#)

57C37684

Explanation:

A fatal error occurred on fan 8.

Failing Item

- [DISKFAN](#)

57C37694

Explanation:

A fatal error occurred on fan 9.

Failing Item

- [DISKFAN](#)

57C376A4

Explanation:

A fatal error occurred on fan 10.

Failing Item

- [DISKFAN](#)

57C376B4

Explanation:

A fatal error occurred on fan 11.

Failing Item

- [DISKFAN](#)

57C376C4

Explanation:

A fatal error occurred on fan 12.

Failing Item

- [DISKFAN](#)

57C376D4

Explanation:

A fatal error occurred on fan 13.

Failing Item

- [DISKFAN](#)

57C376E4

Explanation:

A fatal error occurred on fan 14.

Failing Item

- [DISKFAN](#)

57C376F4

Explanation:

A fatal error occurred on fan 15.

Failing Item

- [DISKFAN](#)

57C38100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C38130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57C38140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57C38141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57C38145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57C38146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57C38150

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57C38151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C38155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C38156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C38157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager

to manually re-IPL the virtual I/O processor and Vary On attached resources.

- If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

57C38300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue

with the next step. Otherwise this ends the procedure.

3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57C38301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C38302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

57C38400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57C38404

Explanation:

System log entry only. No service action required.

57C39000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57C39001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57C39002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

57C39008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57C39011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57C39020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57C39021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57C39022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57C39023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57C39024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57C39025

Explanation:

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57C39026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57C39027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57C39028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCD0CS](#)

57C39029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57C39030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57C39031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57C39032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57C39040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

57C39041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57C39042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57C39050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57C39051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57C39052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57C39054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57C39055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

57C39070

Explanation:

System log entry only. No service action required.

57C39071

Explanation:

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57C39072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57C39073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57C39074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57C39075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57C39076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57C39081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57C39082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57C39083**Explanation:**

System log entry only. No service action required.

57C39084**Explanation:**

System log entry only. No service action required.

57C39090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57C39091**Explanation:**

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57C39092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57C39500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57C39903

Explanation:

Tape device information was logged. Informational event, no service required.

57C3C000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57C3C402

(57C4) Reference codes

57C41310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57C43000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57C43020

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57C3FF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57C3FFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57C43100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57C43140

Explanation:

System log entry only. No service action required.

57C43202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

57C43400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57C43401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57C43405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57C434FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57C43601

Explanation:

System log entry only. No service action required.

57C44010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57C44020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57C44030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57C44040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57C44041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57C44050**Explanation:**

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57C44060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

57C44061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57C44070**Explanation:**

System log entry only. No service action required.

57C44080**Explanation:**

Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination:

Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item

- [SIP3295](#)

57C44085**Explanation:**

Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item

- [NEXTLVL](#)

57C44100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57C44101**Explanation:**

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57C44110**Explanation:**

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57C44120**Explanation:**

SAS cable VPD cannot be read.

Failing Item

- [SASCABL](#)

57C44121**Explanation:**

SAS cable is missing.

Failing Item

- [SASCABL](#)

57C44150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57C44160**Explanation:**

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57C470DD**Explanation:**

Disrupt device command completed successfully.

57C48009**Explanation:**

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

57C48100**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C48130**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57C48140**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57C48141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57C48145**Explanation:**

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57C48146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57C48150

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57C48151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C48155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C48156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C48157**Explanation:**

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other

resources attached to the virtual I/O processor may need to be Varied On.

- If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

57C48300**Explanation:**

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion

unit, continue with the next step. Otherwise this ends the procedure.

2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57C48301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C48302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

57C48400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57C48404

Explanation:

System log entry only. No service action required.

57C49000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57C49001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57C49002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

57C49008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57C49010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57C49011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57C49020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57C49021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57C49022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57C49023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57C49024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57C49025

Explanation:

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)

- [FI02112](#)

57C49026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57C49027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57C49028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDPCS](#)

57C49029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57C49030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57C49031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57C49032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57C49040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

57C49041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57C49042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57C49050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57C49051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57C49052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57C49054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57C49055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

57C49070**Explanation:**

System log entry only. No service action required.

57C49071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57C49072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57C49073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57C49074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57C49075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57C49076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57C49081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57C49082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57C49083**Explanation:**

System log entry only. No service action required.

57C49084**Explanation:**

System log entry only. No service action required.

57C49090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57C49091**Explanation:**

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57C49092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57C49500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57C49903

(57C7) Reference codes

57C71310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57C73000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57C73020

Explanation:

Tape device information was logged. Informational event, no service required.

57C4C000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57C4C402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57C4FF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP4050](#)

57C73100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP4050](#)

57C73140

Explanation:

System log entry only. No service action required.

57C73202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

57C73400

Explanation:

Unknown resource error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 57CB (embedded IOA with 2BCF battery card). When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card). When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.
- See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [SIP4050](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57C73401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57C73405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57C734FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57C73601

Explanation:

System log entry only. No service action required.

57C74010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57C74020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57C74030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP4044](#)

57C74040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP4044](#)

57C74041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57C74050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57C74060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP4053](#)
- [SASCABL](#)
- [SASEXP](#)

57C74061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57C74070

Explanation:

System log entry only. No service action required.

57C74100

Explanation:

Device bus fabric error.

Failing Item

- [SIP4052](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57C74101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP4052](#)

57C74110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57C74150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57C74160**Explanation:**

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57C770DD**Explanation:**

Disrupt device command completed successfully.

57C78008**Explanation:**

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

57C78009**Explanation:**

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

57C78100**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C78130**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4050](#)

57C78140**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4050](#)

57C78141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57C78145**Explanation:**

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57C78146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57C78150

Explanation:

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57C78151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C78155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C78156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C78157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other

resources attached to the virtual I/O processor may need to be Varied On.

- If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57C78300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU

fault indicators for adapters that have returned to operational status.

6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57C78301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57C78302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57C78400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57C78404

Explanation:

System log entry only. No service action required.

57C79000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57C79001

Explanation:
Device configuration error.

Failing Item

- [NEXTLVL](#)

57C79002

Explanation:
Device error.

Failing Item

- [NEXTLVL](#)

57C79008

Explanation:
I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57C79010

Explanation:
Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57C79011

Explanation:
Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57C79020

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57C79021

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57C79022

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57C79023

Explanation:
One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57C79024

Explanation:
Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57C79025

Explanation:
Incompatible device.

Response:
An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57C79026

Explanation:
Disk unit not found at required physical location.

Response:
A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57C79027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57C79028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOCS](#)

57C79029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57C79030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57C79031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was

used to automatically rebuild the array. Look for other reference codes and take action on them.

57C79032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57C79040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

57C79041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57C79042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57C79050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57C79051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57C79052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57C79054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57C79055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

57C79070

Explanation:

System log entry only. No service action required.

57C79071

Explanation:

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57C79072

Explanation:

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57C79073

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP4040](#)

57C79074

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP4041](#)

57C79075

Explanation:

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP4049](#)

57C79076

Explanation:

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP4047](#)

57C79081

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57C79082

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57C79083**Explanation:**

System log entry only. No service action required.

57C79084**Explanation:**

System log entry only. No service action required.

57C79090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

57C79091**Explanation:**

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

(57CB) Reference codes

57CB1310**Explanation:**

57C79092**Explanation:**

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57C79500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57C79903**Explanation:**

Tape device information was logged. Informational event, no service required.

57C7C000**Explanation:**

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57C7C402**Explanation:**

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57C7FF3D**Explanation:**

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57CB3000

Explanation:

A permanent failure occurred.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which

embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

- See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57CB3020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP4050](#)

57CB3100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP4050](#)

57CB3140

Explanation:

System log entry only. No service action required.

57CB3202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDPCS](#)

57CB3400

Explanation:

Unknown resource error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 57CB (embedded IOA with 2BCF battery card). When working the FRUs from the serviceable event or the failing item list here, the embedded

storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card). When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [SIP4050](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57CB3401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57CB3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57CB34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57CB3601

Explanation:

System log entry only. No service action required.

57CB4010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57CB4020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57CB4030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP4044](#)

57CB4040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP4044](#)

57CB4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57CB4050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57CB4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP4053](#)
- [SASCABL](#)
- [SASEXP](#)

57CB4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57CB4070

Explanation:

System log entry only. No service action required.

57CB4100

Explanation:

Device bus fabric error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.
- See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [SIP4052](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57CB4101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP4052](#)

57CB4110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57CB4150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57CB4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When

working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57CB70DD

Explanation:

Disrupt device command completed successfully.

57CB8008

Explanation:

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the

card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

57CB8009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

57CB8100**Explanation:**

Licensed Internal Code error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which

embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CB8130**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4050](#)

57CB8140**Explanation:**

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4050](#)

57CB8141**Explanation:**

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57CB8145**Explanation:**

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57CB8146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57CB8150

Explanation:

A permanent failure occurred.

Response

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57CB8151

Explanation:

Licensed Internal Code error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the

failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CB8155

Explanation:

A permanent failure occurred.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CB8156

Explanation:

A permanent failure occurred.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CB8157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

57CB8300

Explanation:

IOA hardware error or PCI bus error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

- [PTFSRCH](#)

57CB8301

Explanation:

Not valid condition in Licensed Internal Code.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not

listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CB8302

Explanation:

Missing Licensed Internal Code.

Response

Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57CB8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57CB8404

Explanation:

System log entry only. No service action required.

57CB9000

Explanation:

Device error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the

failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CB9001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57CB9002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

57CB9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57CB9010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57CB9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57CB9020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CB9021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CB9022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CB9023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57CB9024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57CB9025

Explanation:

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)

- [FI02112](#)

57CB9026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57CB9027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57CB9028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCD0CS](#)

57CB9029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57CB9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CB9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57CB9032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CB9040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

57CB9041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57CB9042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57CB9050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57CB9051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57CB9052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57CB9054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57CB9055**Explanation:**

Write cache data is available for attached storage IOA.

Response:

No service action required.

57CB9070**Explanation:**

System log entry only. No service action required.

57CB9071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57CB9072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57CB9073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP4040](#)

57CB9074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP4041](#)

57CB9075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP4049](#)

57CB9076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP4047](#)

57CB9081**Explanation:**

Device error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CB9082

Explanation:
Device error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CB9083

Explanation:
System log entry only. No service action required.

57CB9084

Explanation:
System log entry only. No service action required.

57CB9090

Explanation:
Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57CB9091

Explanation:
Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCD0CS](#)

57CB9092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57CB9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57CB9903

Explanation:

Tape device information was logged. Informational event, no service required.

57CBC000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57CBC402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57CBFF3D

Explanation:

I/O adapter detected a recoverable error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)

(57CC) Reference codes

57CC1310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57CC3000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57CC3020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57CC3100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57CC3140

Explanation:

System log entry only. No service action required.

57CC3202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

- [ANYBRDG](#)

57CC3400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57CC3401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57CC3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57CC34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57CC3601**Explanation:**

System log entry only. No service action required.

57CC4010**Explanation:**

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57CC4020**Explanation:**

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57CC4030**Explanation:**

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57CC4040**Explanation:**

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57CC4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57CC4050**Explanation:**

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57CC4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

57CC4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57CC4070**Explanation:**

System log entry only. No service action required.

57CC4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57CC4101**Explanation:**

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57CC4110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57CC4150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57CC4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57CC70DD

Explanation:

Disrupt device command completed successfully.

57CC8008

Explanation:

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

57CC8009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

57CC8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CC8130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57CC8140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57CC8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57CC8145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57CC8146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57CC8150

Explanation:

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57CC8151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CC8155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CC8156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CC8157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

57CC8300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work

those problems first, then return to the next step in this procedure.

5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57CC8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CC8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [STORIOA](#)

57CC8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57CC8404

Explanation:

System log entry only. No service action required.

57CC9000

Explanation:
Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CC9001

Explanation:
Device configuration error.

Failing Item

- [NEXTLVL](#)

57CC9002

Explanation:
Device error.

Failing Item

- [NEXTLVL](#)

57CC9008

Explanation:
I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57CC9010

Explanation:
Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57CC9011

Explanation:
Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57CC9020

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CC9021

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CC9022

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CC9023

Explanation:
One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57CC9024

Explanation:
Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57CC9025

Explanation:
Incompatible device.

Response:
An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CC9026

Explanation:
Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57CC9027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57CC9028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOCS](#)

57CC9029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57CC9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)

- [FI02112](#)

57CC9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57CC9032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CC9040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

57CC9041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57CC9042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57CC9050**Explanation:**

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57CC9051**Explanation:**

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57CC9052**Explanation:**

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57CC9054**Explanation:**

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57CC9055**Explanation:**

Write cache data is available for attached storage IOA.

Response:

No service action required.

57CC9070**Explanation:**

System log entry only. No service action required.

57CC9071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57CC9072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57CC9073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57CC9074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57CC9075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57CC9076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57CC9081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CC9082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CC9083

Explanation:

System log entry only. No service action required.

57CC9084

Explanation:

System log entry only. No service action required.

57CC9090

Explanation:

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

57CC9091

Explanation:

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

(57CD) Reference codes

57CD1310

Failing Item

- [SVCDOCS](#)

57CC9092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57CC9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57CC9903

Explanation:

Tape device information was logged. Informational event, no service required.

57CCC000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57CCC402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57CCFF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57CD1511

Explanation:

A non-fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

57CD1515

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

57CD1521

Explanation:

A non-fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

57CD1525

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

57CD3000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57CD3002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

57CD3020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57CD3100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57CD3109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

57CD3140

Explanation:

System log entry only. No service action required.

57CD3202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

57CD3400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57CD3401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57CD3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57CD34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57CD3601

Explanation:

System log entry only. No service action required.

57CD4010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57CD4020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57CD4030**Explanation:**

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57CD4040**Explanation:**

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57CD4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57CD4050**Explanation:**

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57CD4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

57CD4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57CD4070**Explanation:**

System log entry only. No service action required.

57CD4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57CD4101**Explanation:**

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57CD4110**Explanation:**

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57CD4150**Explanation:**

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57CD4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57CD70DD

Explanation:

Disrupt device command completed successfully.

57CD7614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

57CD7624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

57CD8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CD8130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57CD8140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57CD8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57CD8145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57CD8146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57CD8150

Explanation:

A permanent failure occurred.

Response:

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57CD8151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CD8155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CD8156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CD8157**Explanation:**

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.

2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.

- LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
- If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
- If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.

3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

57CD8300**Explanation:**

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57CD8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CD8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

57CD8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57CD8404

Explanation:

System log entry only. No service action required.

57CD9000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CD9001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57CD9002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

57CD9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57CD9010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57CD9011**Explanation:**

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57CD9020**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CD9021**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CD9022**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CD9023**Explanation:**

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57CD9024**Explanation:**

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57CD9025**Explanation:**

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)

- [FI02112](#)

57CD9026**Explanation:**

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57CD9027**Explanation:**

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57CD9028**Explanation:**

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVDCOCS](#)

57CD9029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57CD9030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CD9031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57CD9032**Explanation:**

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CD9040**Explanation:**

Re-synchronization of array parity was initiated.

Response

No action required.

57CD9041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57CD9042**Explanation:**

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57CD9050**Explanation:**

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57CD9051**Explanation:**

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57CD9052**Explanation:**

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57CD9054**Explanation:**

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57CD9055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

57CD9070

Explanation:

System log entry only. No service action required.

57CD9071

Explanation:

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57CD9072

Explanation:

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57CD9073

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57CD9074

Explanation:

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57CD9075

Explanation:

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57CD9076

Explanation:

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57CD9081

Explanation:

Device error.

Failing Item

- [FI01105](#)

- [STORIOA](#)

57CD9082

Explanation:

Device error.

Failing Item

- [FI01105](#)

- [STORIOA](#)

57CD9083

Explanation:

System log entry only. No service action required.

57CD9084

Explanation:

System log entry only. No service action required.

57CD9090

Explanation:

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57CD9091**Explanation:**

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57CD9092**Explanation:**

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57CD9500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57CD9903**Explanation:**

Tape device information was logged. Informational event, no service required.

(57CE) Reference codes

57CE1310**Explanation:**

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57CE3000

57CDC000**Explanation:**

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57CDC402**Explanation:**

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57CDFF3D**Explanation:**

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57CDFFF4**Explanation:**

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57CE3020**Explanation:**

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57CE3100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57CE3140

Explanation:

System log entry only. No service action required.

57CE3202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

57CE3400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57CE3401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57CE3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57CE34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57CE3601

Explanation:

System log entry only. No service action required.

57CE4010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57CE4020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57CE4030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57CE4040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57CE4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57CE4050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57CE4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

57CE4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57CE4070

Explanation:

System log entry only. No service action required.

57CE4080

Explanation:

Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination:

Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item

- [SIP3295](#)

57CE4085

Explanation:

Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item

- [NEXTLVL](#)

57CE4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57CE4101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57CE4110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57CE4120

Explanation:

SAS cable VPD cannot be read.

Failing Item

- [SASCABL](#)

57CE4121

Explanation:

SAS cable is missing.

Failing Item

- [SASCABL](#)

57CE4150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57CE4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57CE70DD

Explanation:

Disrupt device command completed successfully.

57CE8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CE8130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57CE8140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57CE8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57CE8145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57CE8146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57CE8150**Explanation:**

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57CE8151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CE8155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CE8156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CE8157**Explanation:**

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

57CE8300**Explanation:**

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57CE8301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CE8302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

57CE8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57CE8404

Explanation:

System log entry only. No service action required.

57CE9000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CE9001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57CE9002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

57CE9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57CE9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57CE9020**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CE9021**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CE9022**Explanation:**

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CE9023**Explanation:**

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57CE9024**Explanation:**

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57CE9025**Explanation:**

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CE9026**Explanation:**

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57CE9027**Explanation:**

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57CE9028**Explanation:**

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOS](#)

57CE9029**Explanation:**

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57CE9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CE9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57CE9032

Explanation:

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CE9040

Explanation:

Re-synchronization of array parity was initiated.

Response

No action required.

57CE9041

Explanation:

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57CE9042

Explanation:

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57CE9050

Explanation:

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57CE9051

Explanation:

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57CE9052

Explanation:

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57CE9054

Explanation:

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57CE9055

Explanation:

Write cache data is available for attached storage IOA.

Response:

No service action required.

57CE9070**Explanation:**

System log entry only. No service action required.

57CE9071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57CE9072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57CE9073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57CE9074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57CE9075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57CE9076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57CE9081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CE9082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CE9083**Explanation:**

System log entry only. No service action required.

57CE9084**Explanation:**

System log entry only. No service action required.

57CE9090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57CE9091**Explanation:**

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOS](#)

57CE9092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57CE9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57CE9903

Explanation:

Tape device information was logged. Informational event, no service required.

57CEC000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57CEC402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57CEFF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)

- [ANYBRDG](#)

(57CF) Reference codes

57CF1310

Explanation:

The I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57CF3000

Explanation:

A permanent failure occurred.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57CF3020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP4050](#)

57CF3100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP4050](#)

57CF3140

Explanation:

System log entry only. No service action required.

57CF3202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOS](#)

57CF3400

Explanation:

Unknown resource error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 57CB (embedded IOA with 2BCF battery card). When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card). When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [SIP4050](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57CF3401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57CF3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57CF34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

57CF3601**Explanation:**

System log entry only. No service action required.

57CF4010**Explanation:**

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57CF4020**Explanation:**

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57CF4030**Explanation:**

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP4044](#)

57CF4040**Explanation:**

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP4044](#)

57CF4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57CF4050**Explanation:**

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57CF4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP4053](#)
- [SASCABL](#)
- [SASEXP](#)

57CF4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

57CF4070**Explanation:**

System log entry only. No service action required.

57CF4100**Explanation:**

Device bus fabric error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which

embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [SIP4052](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57CF4101**Explanation:**

Temporary device bus fabric error.

Failing Item

- [SIP4052](#)

57CF4110**Explanation:**

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57CF4150**Explanation:**

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57CF4160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57CF70DD

Explanation:

Disrupt device command completed successfully.

57CF8008**Explanation:**

A permanent failure has occurred in the cache battery pack or capacitive cache power card.

Response

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the

embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)
- [FEATCRD](#)

57CF8009**Explanation:**

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

57CF8100**Explanation:**

Licensed Internal Code error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When

working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.
- See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CF8130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4050](#)

57CF8140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP4050](#)

57CF8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57CF8145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57CF8146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57CF8150

Explanation:

A permanent failure occurred.

Response

Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57CF8151

Explanation:

Licensed Internal Code error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the

card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CF8155

Explanation:

A permanent failure occurred.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CF8156

Explanation:

A permanent failure occurred.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CF8157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager

to manually re-IPL the virtual I/O processor and Vary On attached resources.

- If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.

3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57CF8300

Explanation:

IOA hardware error or PCI bus error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57CF8301

Explanation:

Not valid condition in Licensed Internal Code.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57CF8302

Explanation:

Missing Licensed Internal Code.

Response

Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57CF8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57CF8404

Explanation:

System log entry only. No service action required.

57CF9000

Explanation:

Device error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the

card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CF9001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57CF9002

Explanation:

Device error.

Failing Item

- [NEXTLVL](#)

57CF9008

Explanation:

I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57CF9010

Explanation:

Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57CF9011

Explanation:

Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57CF9020

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CF9021

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CF9022

Explanation:

Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57CF9023

Explanation:

One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57CF9024

Explanation:

Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57CF9025

Explanation:

Incompatible device.

Response:

An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CF9026

Explanation:

Disk unit not found at required physical location.

Response:

A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57CF9027

Explanation:

Array not functional due to parity out of synchronization.

Response:

Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57CF9028

Explanation:

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDPCS](#)

57CF9029

Explanation:

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57CF9030

Explanation:

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CF9031

Explanation:

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was

used to automatically rebuild the array. Look for other reference codes and take action on them.

57CF9032**Explanation:**

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57CF9040**Explanation:**

Re-synchronization of array parity was initiated.

Response

No action required.

57CF9041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57CF9042**Explanation:**

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57CF9050**Explanation:**

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57CF9051**Explanation:**

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57CF9052**Explanation:**

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57CF9054**Explanation:**

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57CF9055**Explanation:**

Write cache data is available for attached storage IOA.

Response:

No service action required.

57CF9070**Explanation:**

System log entry only. No service action required.

57CF9071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57CF9072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57CF9073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP4040](#)

57CF9074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP4041](#)

57CF9075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP4049](#)

57CF9076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP4047](#)

57CF9081**Explanation:**

Device error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CF9082**Explanation:**

Device error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item

list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57CF9083

Explanation:

System log entry only. No service action required.

57CF9084

Explanation:

System log entry only. No service action required.

57CF9090

Explanation:

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57CF9091

Explanation:

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57CF9092

Explanation:

Disk unit requires initialization before use.

Failing Item

- [SIP3134](#)

57CF9500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57CF9903**Explanation:**

Tape device information was logged. Informational event, no service required.

57CFC000**Explanation:**

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57CFC402**Explanation:**

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57CFFF3D**Explanation:**

I/O adapter detected a recoverable error.

Response

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

(57D2) Reference codes

57D2A001**Explanation:**

Communications I/O adapter software error or failure configuring hardware.

Failing Item

- [NEXTLVL](#)

57D2B940

- The RAID enablement card.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.
- See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (failing item STORIOA) has two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).
- See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

Explanation:

I/O adapter hardware error detected.

Problem determination:

View the error details in the service action log or the product activity log. If the secondary code is 00004009 or 4009, the adapter is in a physical location that does not support the adapter type. Move the adapter to a physical location that supports the adapter type. Otherwise, continue with the next failing item in the failing item list.

Failing Item

- [FI00719](#)
- [AJDGP01](#)
- [MA_BRDG](#)

57D2B941

Explanation:

One of the ports on the IOA has failed.

Failing Item

- [FI00719](#)
- [AJDGP01](#)

(57D3) Reference codes

57D33000

Explanation:

USB optical device information was logged.
Informational event, no service required.

57D33002

Explanation:

Unexpected USB device disconnect detected.

Failing Item

- [USB_DEV](#)

57D33010

Explanation:

USB undefined device response.

Failing Item

- [USB_DEV](#)

57D33020

Explanation:

USB configuration error. Too many USB devices are plugged. The internal device map is full.

Problem determination:

Remove USB devices one at a time until the problem is resolved. In the Service Action Log (SAL) the location of the device that caused this error is listed with the FRU.

Failing Item

- [SVCDOS](#)
- [USB_DEV](#)

57D33100

Explanation:

USB device bus error.

Failing Item

- [USB_CBL](#)
- [USB_DEV](#)
- [USB_IOA](#)

57D331AX

Explanation:

USB port over current error detected. The port location is listed in the serviceable event view with the "USBPORT" symbolic FRU. The logical port number is the last character of the URC.

Problem determination

USB port numbers start with '1' and are in the hexadecimal range of 1 through F for each USB port on an adapter.

For the USB port identified by the last digit of the URC, there is a problem with the power being drawn by the device. If the device is within operating specifications it may work properly when plugged into another USB port or another USB adapter. If the device is moved to a different port and this error is logged against the port where the device is plugged then the device may be failing. Try moving the device to a different adapter.

If the device operates properly on another USB port or on another system then the problem is with the USB adapter or the adapter's USB port.

Remove the device on the port given in the location code of symbolic FRU "USBPORT" and look for a xxxx31By SRC to be logged where "xxxx" are the same characters as the first four characters of this SRC and 'y' is the same as the last character of this SRC.

- If the xxxx31By SRC is logged at about the same time that you removed the device then examine the location code of symbolic FRU "USBPORT" for the xxxx31By SRC. If the location code for "USBPORT" is the same as the adapter and port location called out by this SRC then the problem at this port has been corrected. The device may be failing. The device may function properly on another USB port or another system.
- If the xxxx31By SRC is not logged then work the failing item list in the serviceable event view or from the list below.

Failing Item

- [SVCDPCS](#)
- [USBPORT](#)
- [USB_DEV](#)
- [USB_IOA](#)

57D331BX

Explanation:

USB port over current error removed.

Problem determination:

An over current condition that previously existed on this port has been resolved. The port is operating normally. The port location is listed with symbolic FRU "SVCDPCS" in the serviceable event view. The logical port number is the last character of the SRC.

Failing Item

- [SVCDPCS](#)

57D33202

Explanation:

USB optical device information was logged. Informational event, no service required.

57D33400

Explanation:

USB unknown device or unexpected device removal. If this SRC appears in a serviceable event view then it requires service. Otherwise no service is required.

Problem determination

Did this error occur during an IPL?

- Yes - The device may have been initializing when an access occurred. Reset / reload the adapter or retry the IPL. If the problem persists then the device is failing.
- No - The device is unknown or was unexpectedly removed.

Failing Item

- [USB_DEV](#)
- [USB_CBL](#)

57D33405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest related PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists, then contact your service provider.

Failing Item

- [PTFSRCH](#)

57D34150

Explanation:

USB IOA hard PCI error.

Failing Item

- [USB_IOA](#)
- [ANYBRDG](#)

57D38100

Explanation:

USB IOA manager program error.

Failing Item

- [AJDGP01](#)

57D38150

Explanation:

USB hard IOA or device hardware error.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)

57D38300

Explanation:

USB IOA hardware error, IOA reset issued.

Failing Item

- [USB_IOA](#)

57D38301

Explanation:

USB program error.

Failing Item

- [AJDGP01](#)

57D38303

Explanation:

USB port enumerator error.

Failing Item

- [AJDGP01](#)
- [USB_IOA](#)

57D3C000

Explanation:

USB optical device information was logged.
Informational event, no service required.

57D3C402

Explanation:

USB optical device LIC information was logged.
Informational event, no service required.

57D3FF3D

(57D4) Reference codes

57D4A001

Explanation:

Communications I/O adapter software error or failure configuring hardware.

Failing Item

- [NEXTLVL](#)

57D4B940

Explanation:

I/O adapter hardware error detected.

Problem determination:

View the error details in the the product activity log.
If the card type is 57D2 and the secondary code is 00004009 or 4009, the adapter is in a physical location that does not support the adapter type. Move the adapter to a physical location that supports the

(57D7) Reference codes

57D71310

Explanation:

The I/O adapter resource not available.

Response

Explanation:

USB optical device successfully recovered from a temporary error. No action is required. This reference code is logged for information only.

57D3FFF3

Explanation:

USB media format corrupted.

Failing Item

- [MEDIA](#)
- [USB_DEV](#)

57D3FFF4

Explanation:

USB internal device error.

Failing Item

- [USB_DEV](#)

57D3FFFE

Explanation:

USB temporary bus error.

adapter type. Otherwise, continue with the next failing item in the failing item list.

Failing Item

- [FI00719](#)
- [AJDGP01](#)
- [MA_BRDG](#)

57D4B941

Explanation:

One of the ports on the IOA has failed.

Failing Item

- [FI00719](#)
- [AJDGP01](#)

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57D73000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57D73020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57D73100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57D73140

Explanation:

System log entry only. No service action required.

57D73202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOCS](#)

57D73400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57D73401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)

- [DEVBPLN](#)

57D73405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57D734FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57D73601

Explanation:

System log entry only. No service action required.

57D74010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57D74020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57D74030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57D74040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57D74041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57D74050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57D74060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)

- [SASEXP](#)

57D74061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57D74070

Explanation:

System log entry only. No service action required.

57D74080

Explanation:

Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination:

Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item

- [SIP3295](#)

57D74085

Explanation:

Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item

- [NEXTLVL](#)

57D74100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57D74101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57D74110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57D74120

Explanation:

SAS cable VPD cannot be read.

Failing Item

- [SASCABL](#)

57D74121

Explanation:

SAS cable is missing.

Failing Item

- [SASCABL](#)

57D74150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57D74160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57D770DD

Explanation:

Disrupt device command completed successfully.

57D78009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

57D78100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57D78130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57D78140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57D78141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57D78145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57D78146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57D78150

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57D78151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57D78155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57D78156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57D78157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDOCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager

to manually re-IPL the virtual I/O processor and Vary On attached resources.

- If manually re-IPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.

3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57D78300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57D78301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57D78302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57D78400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57D78404

Explanation:

System log entry only. No service action required.

57D79000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57D79001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57D79002

Explanation:
Device error.

Failing Item

- [NEXTLVL](#)

57D79008

Explanation:
I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57D79010

Explanation:
Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57D79011

Explanation:
Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57D79020

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57D79021

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57D79022

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57D79023

Explanation:
One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57D79024

Explanation:
Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57D79025

Explanation:
Incompatible device.

Response:
An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57D79026

Explanation:
Disk unit not found at required physical location.

Response:
A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57D79027

Explanation:
Array not functional due to parity out of synchronization.

Response:
Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57D79028**Explanation:**

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOCS](#)

57D79029**Explanation:**

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57D79030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57D79031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57D79032**Explanation:**

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57D79040**Explanation:**

Re-synchronization of array parity was initiated.

Response

No action required.

57D79041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57D79042**Explanation:**

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57D79050**Explanation:**

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57D79051**Explanation:**

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57D79052**Explanation:**

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57D79054**Explanation:**

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57D79055**Explanation:**

Write cache data is available for attached storage IOA.

Response:

No service action required.

57D79070**Explanation:**

System log entry only. No service action required.

57D79071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57D79072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57D79073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57D79074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57D79075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57D79076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57D79081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57D79082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57D79083**Explanation:**

System log entry only. No service action required.

57D79084**Explanation:**

System log entry only. No service action required.

57D79090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

57D79091

Explanation:

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

57D79092

Explanation:

Disk unit requires initialization before use.

(57D8) Reference codes

57D81310

Explanation:

The I/O adapter resource not available.

Response

Failing Item

- [SIP3134](#)

57D79500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57D79903

Explanation:

Tape device information was logged. Informational event, no service required.

57D7C000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57D7C402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57D7FF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57D83000

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57D83020

Explanation:

Storage subsystem configuration error.

Failing Item

- [SIP3150](#)

57D83100

Explanation:

Device bus interface error occurred.

Failing Item

- [SIP3150](#)

57D83140

Explanation:

System log entry only. No service action required.

57D83202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDOCS](#)

57D83400

Explanation:

Unknown resource error.

Failing Item

- [SIP3150](#)
- [FI02112](#)
- [STORIOA](#)
- [SASCABL](#)

57D83401

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

57D83405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57D834FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

57D83601

Explanation:

System log entry only. No service action required.

57D84010

Explanation:

Configuration error.

Response:

Incorrect connection between cascaded enclosures.

Failing Item

- [SIP3142](#)

57D84020

Explanation:

Configuration error.

Response:

Number of connections exceed I/O adapter design limits.

Failing Item

- [SIP3143](#)

57D84030

Explanation:

Configuration error.

Response:

Incorrect multipath connection.

Failing Item

- [SIP3144](#)

57D84040

Explanation:

Configuration error.

Response:

Incomplete multipath connection between I/O adapter and enclosure.

Failing Item

- [SIP3144](#)

57D84041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

57D84050

Explanation:

Enclosure does not support required multipath function.

Failing Item

- [SIP3148](#)

57D84060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)

- [SASEXP](#)

57D84061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

57D84070

Explanation:

System log entry only. No service action required.

57D84080

Explanation:

Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination:

Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item

- [SIP3295](#)

57D84085

Explanation:

Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item

- [NEXTLVL](#)

57D84100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [FI01105](#)

57D84101

Explanation:

Temporary device bus fabric error.

Failing Item

- [SIP3152](#)

57D84110

Explanation:

Unsupported enclosure function detected.

Failing Item

- [SIP3145](#)

57D84120

Explanation:

SAS cable VPD cannot be read.

Failing Item

- [SASCABL](#)

57D84121

Explanation:

SAS cable is missing.

Failing Item

- [SASCABL](#)

57D84150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57D84160

Explanation:

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57D870DD

Explanation:

Disrupt device command completed successfully.

57D88009

Explanation:

Impending failure in the cache battery pack or capacitive cache power card.

Failing Item

- [CACHBAT](#)

57D88100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57D88130

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57D88140

Explanation:

IOA detected recoverable device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

57D88141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57D88145

Explanation:

Disk device detected recoverable error.

Response:

This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item

- [NEXTLVL](#)

57D88146

Explanation:

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57D88150

Explanation:

A permanent failure occurred.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57D88151

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57D88155

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57D88156

Explanation:

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57D88157

Explanation:

I/O adapter card error. The actions and Failing Item list in the Service Action Log will vary based on the conditions this event was logged for.

Response

The FRU list in the Service Action Log will vary based on the conditions this event was logged for. Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager to manually re-IPL the virtual I/O processor and Vary On attached resources.
 - If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.
3. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. Check the list below to determine if the adapter type you are replacing has multiple physical parts.

Problem determination

Perform the following:

1. Display the Service Action Log entry for this SRC.
2. If the Failing Item indicates SVCDPCS, then continue with this step. Otherwise go to the next step. Do NOT replace the I/O adapter. This is a recoverable error.
 - LIC will automatically re-IPL the virtual I/O processor associated with the adapter. Other resources attached to the virtual I/O processor may need to be Varied On.
 - If the virtual I/O processor or adapter are not operational then use Hardware Service Manager

to manually re-IPL the virtual I/O processor and Vary On attached resources.

- If manually reIPL-ing the virtual I/O processor fails then contact your next level of support. This ends the procedure.

3. If the Failing Item indicates an I/O adapter, then contact your next level of support to replace the I/O adapter.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57D88300

Explanation:

IOA hardware error or PCI bus error.

Problem determination

Perform the following:

1. Examine the location code of the adapter to determine if the adapter is in the system unit or an expansion unit. If the adapter is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the adapter problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the adapters have returned to operational status. Close reference code xxxx8300 problems for adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any adapters that have not returned to operational status. This ends the procedure.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57D88301

Explanation:

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57D88302

Explanation:

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOS](#)
- [STORIOA](#)

57D88400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57D88404

Explanation:

System log entry only. No service action required.

57D89000

Explanation:

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57D89001

Explanation:

Device configuration error.

Failing Item

- [NEXTLVL](#)

57D89002

Explanation:
Device error.

Failing Item

- [NEXTLVL](#)

57D89008

Explanation:
I/O card does not support functions expected by devices.

Failing Item

- [SIP3130](#)

57D89010

Explanation:
Cache data associated with attached devices cannot be found.

Failing Item

- [SIP3120](#)

57D89011

Explanation:
Cache data belongs to devices other than those attached.

Failing Item

- [NEXTLVL](#)

57D89020

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57D89021

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57D89022

Explanation:
Two or more disk units missing from RAID-5 or RAID-6 array.

Failing Item

- [SIP3111](#)

57D89023

Explanation:
One or more array members not in required physical locations.

Failing Item

- [SIP3112](#)

57D89024

Explanation:
Array member physical location conflicts with another array.

Failing Item

- [NEXTLVL](#)

57D89025

Explanation:
Incompatible device.

Response:
An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57D89026

Explanation:
Disk unit not found at required physical location.

Response:
A previously exposed disk unit in an array was not found at the required physical location.

Failing Item

- [NEXTLVL](#)

57D89027

Explanation:
Array not functional due to parity out of synchronization.

Response:
Array is or would become exposed and parity data is out of synchronization.

Failing Item

- [SIP3113](#)

57D89028**Explanation:**

Maximum number of functional arrays has been exceeded.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOCS](#)

57D89029**Explanation:**

Maximum number of functional array members has been exceeded.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57D89030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57D89031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57D89032**Explanation:**

A disk unit in an array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced.

Failing Item

- [SIP3110](#)
- [FI02112](#)

57D89040**Explanation:**

Re-synchronization of array parity was initiated.

Response

No action required.

57D89041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57D89042**Explanation:**

Background parity check corrected errors on disk unit.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57D89050**Explanation:**

Required cache data not found for one or more disk units.

Failing Item

- [SIP3131](#)

57D89051**Explanation:**

Cache data exists for one or more missing or failed devices.

Failing Item

- [SIP3132](#)

57D89052**Explanation:**

Cache data exists for one or more modified devices.

Response

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

57D89054**Explanation:**

IOA resources not available due to previous problems.

Failing Item

- [SIP3121](#)

57D89055**Explanation:**

Write cache data is available for attached storage IOA.

Response:

No service action required.

57D89070**Explanation:**

System log entry only. No service action required.

57D89071**Explanation:**

Link from IOA to auxiliary or remote IOA is operational.

Response:

No service action required.

57D89072**Explanation:**

Link from IOA to auxiliary or remote IOA is non-operational.

Response:

No service action required.

57D89073**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Failing Item

- [SIP3140](#)

57D89074**Explanation:**

Multiple I/O adapters connected in a not valid configuration.

Response:

Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item

- [SIP3141](#)

57D89075**Explanation:**

Incomplete multipath connection between IOA and remote IOA.

Failing Item

- [SIP3149](#)

57D89076**Explanation:**

Missing auxiliary IOA or remote IOA.

Failing Item

- [SIP3147](#)

57D89081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57D89082**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57D89083**Explanation:**

System log entry only. No service action required.

57D89084**Explanation:**

System log entry only. No service action required.

57D89090**Explanation:**

Disk unit has been modified after the last known status.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

57D89091

Explanation:

Incorrect hardware configuration change detected.

Response

Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

57D89092

Explanation:

Disk unit requires initialization before use.

(57FC) Reference codes

57FC3020

Explanation:

Configuration error on port 0.

Response:

Too many devices have been configured on port 0. Change the configuration.

Failing Item

- [SIP3134](#)

57D89500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57D89903

Explanation:

Tape device information was logged. Informational event, no service required.

57D8C000

Explanation:

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57D8C402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57D8FF3D

Explanation:

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

Failing Item

- [SVCDOCS](#)

57FC3021

Explanation:

Configuration error on port 1.

Response:

Too many devices have been configured on port 1.
Change the configuration.

Failing Item

- [SVCDOS](#)

57FC3022

Explanation:

Configuration error on port 2.

Response:

Too many devices have been configured on port 2.
Change the configuration.

Failing Item

- [SVCDOS](#)

57FC3023

Explanation:

Configuration error on port 3.

Response:

Too many devices have been configured on port 3.
Change the configuration.

Failing Item

- [SVCDOS](#)

57FC3100

Explanation:

Interface error on port 0.

57FC3101

Explanation:

Interface error on port 1.

57FC3102

Explanation:

Interface error on port 2.

57FC3103

Explanation:

Interface error on port 3.

57FC3120

Explanation:

An open port was detected on port 0.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.

3. This error can occur if there is a port or link failure.
If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

57FC3121

Explanation:

An open port was detected on port 1.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure.
If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

57FC3122

Explanation:

An open port was detected on port 2.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure.
If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)

- [OPT_CLN](#)

57FC3123

Explanation:

An open port was detected on port 3.

Problem determination

Perform the following steps:

1. Check for a missing cable or wrap connector.
2. This error can occur when a shared device is being moved from one LPAR to another LPAR and the port was left open.
3. This error can occur if there is a port or link failure. If you have eliminated the above possibilities contact your next level of support.

Failing Item

- [FCPORT](#)
- [FCIOA](#)
- [FCDEV](#)
- [OPT_CLN](#)

57FC3140

Explanation:

Port 0 is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

57FC3141

Explanation:

Port 1 is now operational.

Response:

This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

57FC3142

Explanation:

Port 2 is now operational.

Response:

This reference code and the 3122 reference code that occurred before it require no service action, since the port is now operational.

57FC3143

Explanation:

Port 3 is now operational.

Response:

This reference code and the 3123 reference code that occurred before it require no service action, since the port is now operational.

57FC3400

Explanation:

Device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

57FC3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57FC34FF

Explanation:

Format in progress.

Response:

The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

57FC4150

Explanation:

I/O adapter detected PCI bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [BACKPLN](#)
- [FCIOA](#)

57FC8100**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

57FC8130**Explanation:**

Recovered Fibre Channel interface error on port 0.

Response

No action required. This reference code is logged for information only.

57FC8131**Explanation:**

Recovered Fibre Channel interface error on port 1.

Response:

No action required. This reference code is logged for information only.

57FC8132**Explanation:**

Recovered Fibre Channel interface error on port 2.

Response:

No action required. This reference code is logged for information only.

57FC8133**Explanation:**

Recovered Fibre Channel interface error on port 3.

Response:

No action required. This reference code is logged for information only.

57FC8150**Explanation:**

A permanent I/O adapter failure occurred.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [OPT_CLN](#)

57FC8151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)

57FC8300**Explanation:**

IOA hardware error or PCI bus error.

Failing Item

- [FCIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)
- [OPT_CLN](#)

57FC8301**Explanation:**

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [FCIOA](#)
- [OPT_CLN](#)

57FC8302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDOCS](#)
- [FCIOA](#)
- [OPT_CLN](#)

57FC9500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57FC9903

Explanation:

Tape device information was logged. Informational event, no service required.

57FCB000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

57FCB402

Explanation:

Licensed Internal Code error.

(57FE) Reference codes

57FE3000

Explanation:

USB optical device information was logged. Informational event, no service required.

57FE3002

Explanation:

Unexpected USB device disconnect detected.

Failing Item

- [USB_DEV](#)

57FE3010

Explanation:

USB undefined device response.

Failing Item

- [USB_DEV](#)

57FE3020

Explanation:

USB configuration error. Too many USB devices are plugged. The internal device map is full.

Problem determination:

Remove USB devices one at a time until the problem is resolved. In the Service Action Log (SAL) the location of the device that caused this error is listed with the FRU.

Failing Item

- [SVCDOCS](#)

Failing Item

- [PTFSRCH](#)

57FCC000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

57FCC402

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

-
- [USB_DEV](#)

57FE3100

Explanation:

USB device bus error.

Failing Item

- [USB_CBL](#)
- [USB_DEV](#)
- [USB_IOA](#)

57FE31AX

Explanation:

USB port over current error detected. The port location is listed in the serviceable event view with the "USBPORT" symbolic FRU. The logical port number is the last character of the URC.

Problem determination

USB port numbers start with '1' and are in the hexadecimal range of 1 through F for each USB port on an adapter.

For the USB port identified by the last digit of the URC, there is a problem with the power being drawn by the device. If the device is within operating specifications it may work properly when plugged into another USB port or another USB adapter. If the device is moved to a different port and this error is logged against the port where the device is plugged then the device may be failing. Try moving the device to a different adapter.

If the device operates properly on another USB port or on another system then the problem is with the USB adapter or the adapter's USB port.

Remove the device on the port given in the location code of symbolic FRU "USBPORT" and look for a xxxx31By SRC to be logged where "xxxx" are the same characters as the first four characters of this SRC and 'y' is the same as the last character of this SRC.

- If the xxxx31By SRC is logged at about the same time that you removed the device then examine the location code of symbolic FRU "USBPORT" for the xxxx31By SRC. If the location code for "USBPORT" is the same as the adapter and port location called out by this SRC then the problem at this port has been corrected. The device may be failing. The device may function properly on another USB port or another system.
- If the xxxx31By SRC is not logged then work the failing item list in the serviceable event view or from the list below.

Failing Item

- [SVCDOS](#)
- [USBPORT](#)
- [USB_DEV](#)
- [USB_IOA](#)

57FE31BX

Explanation:

USB port over current error removed.

Problem determination:

An over current condition that previously existed on this port has been resolved. The port is operating normally. The port location is listed with symbolic FRU "SVCDOS" in the serviceable event view. The logical port number is the last character of the SRC.

Failing Item

- [SVCDOS](#)

57FE3202

Explanation:

USB optical device information was logged. Informational event, no service required.

57FE3400

Explanation:

USB unknown device or unexpected device removal. If this SRC appears in a serviceable event view then it requires service. Otherwise no service is required.

Problem determination

Did this error occur during an IPL?

- Yes - The device may have been initializing when an access occurred. Reset / reload the adapter or retry the IPL. If the problem persists then the device is failing.
- No - The device is unknown or was unexpectedly removed.

Failing Item

- [USB_DEV](#)
- [USB_CBL](#)

57FE3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest related PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists, then contact your service provider.

Failing Item

- [PTFSRCH](#)

57FE4150

Explanation:

USB IOA hard PCI error.

Failing Item

- [USB_IOA](#)
- [ANYBRDG](#)

57FE8100

Explanation:

USB IOA manager program error.

Failing Item

- [AJDGP01](#)

57FE8150

Explanation:

USB hard IOA or device hardware error.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)

57FE8300

Explanation:

USB IOA hardware error, IOA reset issued.

Failing Item

- [USB_IOA](#)

57FE8301

Explanation:

USB program error.

Failing Item

- [AJDGP01](#)

57FE8303

Explanation:

USB port enumerator error.

Failing Item

- [AJDGP01](#)
- [USB_IOA](#)

(57FF) Reference codes

57FF1310

Explanation:

I/O adapter resource not available.

Response

The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57FF3000

Explanation:

A permanent failure occurred.

57FEC000

Explanation:

USB optical device information was logged. Informational event, no service required.

57FEC402

Explanation:

USB optical device LIC information was logged. Informational event, no service required.

57FEFF3D

Explanation:

USB optical device successfully recovered from a temporary error. No action is required. This reference code is logged for information only.

57FEFFF3

Explanation:

USB media format corrupted.

Failing Item

- [MEDIA](#)
- [USB_DEV](#)

57FEFFF4

Explanation:

USB internal device error.

Failing Item

- [USB_DEV](#)

57FEFFFF

Explanation:

USB temporary bus error.

Failing Item

- [FI01101](#)
- [ANYBRDG](#)

57FF3006

Explanation:

System bus error.

Failing Item

- [FI01101](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57FF3020

Explanation:

SCSI bus configuration error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57FF3021**Explanation:**

SCSI bus configuration error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57FF3022**Explanation:**

SCSI bus configuration error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57FF3023**Explanation:**

SCSI bus configuration error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP17](#)
- [USER](#)
- [FI01107](#)
- [STORIOA](#)

57FF3100**Explanation:**

Interface error.

Response

Error occurred on SCSI bus 0.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57FF3101**Explanation:**

Interface error.

Response

Error occurred on SCSI bus 1.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57FF3102**Explanation:**

Interface error.

Response

Error occurred on SCSI bus 2.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)

- [FI01140](#)
- [DEVBPLN](#)

57FF3103

Explanation:
Interface error.

Response

Error occurred on SCSI bus 3.

Failing Item

- [IOPIP13](#)
- [FI01107](#)
- [STORIOA](#)
- [FI01140](#)
- [DEVBPLN](#)

57FF3120

Explanation:
Bus is not operational.

Response:
Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57FF3121

Explanation:
Bus is not operational.

Response:
Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57FF3122

Explanation:
Bus is not operational.

Response:
Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57FF3123

Explanation:
Bus is not operational.

Response:
Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item

- [SVCDPCS](#)

57FF3140

Explanation:
Bus is operational.

Response:
This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

57FF3141

Explanation:
Bus is operational.

Response:
This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

57FF3142

Explanation:
Bus is operational.

Response:
This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

57FF3143

Explanation:
Bus is operational.

Response:
This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

57FF3150

Explanation:
SCSI bus configuration error.

Response:
Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item

- [SVCDPCS](#)

57FF3151

Explanation:

SCSI bus configuration error.

Response:

Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item

- [SVCDPCS](#)

57FF3200

Explanation:

A tape/CD or disk device reported a failure.

Failing Item

- [FI01105](#)
- [STORIOA](#)
- [MEDIA](#)

57FF3202

Explanation:

Storage subsystem configuration error.

Response:

The device is not supported in the current configuration. An I/O processor might be required.

Failing Item

- [SVCDPCS](#)

57FF3400

Explanation:

Device error.

Response:

NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item

- [FI02112](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

57FF3401

Explanation:

Device backplane problem.

Failing Item

- [DEVBPLN](#)

57FF3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

57FF34FF

Explanation:

A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item

- [SVCDPCS](#)

57FF3501

Explanation:

Licensed Internal Code error.

Response:

The device type is either unsupported or the code has not been loaded to support it.

Failing Item

- [FI01105](#)
- [PTFSRCH](#)

57FF3601

Explanation:

System log entry only. No service action required.

57FF4150

Explanation:

I/O adapter detected PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57FF4160**Explanation:**

I/O adapter detected and recovered a PCI bus error.

Response

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU [FEATCRD](#) for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU [CACHBAT](#).

See symbolic FRU [FEATCRD](#) for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item

- [BACKPLN](#)
- [STORIOA](#)

57FF8008

Explanation:

A permanent cache battery pack failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [CACHBAT](#)
- [STORIOA](#)

57FF8009

Explanation:

Impending cache battery pack failure.

Failing Item

- [CACHBAT](#)

57FF8100

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57FF8130

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

57FF8131

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

57FF8132

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

57FF8133

Explanation:

IOA detected recoverable device bus error.

Response:

An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

57FF8140

Explanation:

IOA detected recoverable device bus error.

Response

No action is required. This reference code is logged for information only.

57FF8141

Explanation:

IOA detected recoverable device error.

Response

No action is required. This reference code is logged for information only.

57FF8145

Explanation:

A recoverable error occurred.

Failing Item

- [STORIOA](#)

57FF8146**Explanation:**

Disk device detected recoverable error.

Failing Item

- [FI01105](#)

57FF8150**Explanation:**

A permanent failure occurred.

Response:

NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57FF8151**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57FF8155**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57FF8156**Explanation:**

A permanent failure occurred.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57FF8157**Explanation:**

I/O adapter card error.

Response

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDPCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item

- [SVCDPCS](#)

57FF8300**Explanation:**

IOA hardware error or PCI bus error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

57FF8301**Explanation:**

Not valid condition in Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [STORIOA](#)

57FF8302**Explanation:**

Missing Licensed Internal Code.

Response:

Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item

- [SVCDPCS](#)
- [STORIOA](#)

57FF8400

Explanation:

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

57FF8404**Explanation:**

System log entry only. No service action required.

57FF9000**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57FF9001**Explanation:**

Device configuration error.

Failing Item

- [IOPIP33](#)

57FF9002**Explanation:**

Device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

57FF9008**Explanation:**

I/O card does not support functions expected by devices.

Failing Item

- [IOPIP25](#)

57FF9009**Explanation:**

Call your next level of support for assistance.

Failing Item

- [SVCDPCS](#)

57FF9010**Explanation:**

Cache data associated with attached devices cannot be found.

Failing Item

- [IOPIP31](#)

57FF9011**Explanation:**

Cache data belongs to devices other than those attached.

Failing Item

- [IOPIP32](#)

57FF9020**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

57FF9021**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP20](#)

57FF9022**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57FF9023**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57FF9024**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57FF9025**Explanation:**

Disk unit is not supported at its physical location.

Failing Item

- [IOPIP21](#)

57FF9026**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP22](#)

57FF9027**Explanation:**

Array not functional due to present hardware configuration.

Failing Item

- [IOPIP34](#)

57FF9028**Explanation:**

Incorrect hardware configuration change detected.

Response

Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item

- [SVCDOS](#)

57FF9029**Explanation:**

Incorrect hardware configuration change detected.

Response

Contact your next level of support.

Failing Item

- [SVCDOS](#)

57FF902F**Explanation:**

Array addendum Product Activity Log entry.

Response

This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

57FF9030**Explanation:**

Array no longer protected due to missing or failed disk unit.

Failing Item

- [FI02112](#)
- [IOPIP21](#)

57FF9031**Explanation:**

Automatic rebuild initiated for array.

Response:

Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57FF9032**Explanation:**

A disk unit in a RAID array is missing or failed.

Response

The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item

- [FI02112](#)
- [IOPIP21](#)

57FF9040

Explanation:

Array protection temporarily suspended.

Response

No action required. Protection will be automatically restarted.

57FF9041**Explanation:**

Background array parity check detected and corrected errors.

Response

Call your next level of support to report the problem.

Failing Item

- [PTFSRCH](#)

57FF9042**Explanation:**

An array parity error has been detected and corrected.

Response:

Call your next level of support to report the problem.

Failing Item

- [NEXTLVL](#)

57FF9050**Explanation:**

Required cache data cannot be located for a disk unit.

Failing Item

- [IOPIP30](#)

57FF9051**Explanation:**

Cache data exists for a missing or failed device.

Response

If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [IOPIP27](#)

57FF9052**Explanation:**

Cache data exists for device that has been modified.

Response

Contact your next level of support.

Failing Item

- [SVCDPCS](#)

57FF9053**Explanation:**

IOA resources not available due to previous problems.

Response

Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

57FF9054**Explanation:**

IOA resources not available due to previous problems.

Response

Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item

- [SVCDPCS](#)

57FF9070**Explanation:**

System log entry only. No service action required.

57FF9071**Explanation:**

Link from IOA to auxiliary cache IOA went operational.

Response:

No service action required.

57FF9072**Explanation:**

Link from IOA to auxiliary cache IOA went non-operational.

Response:

No service action required.

57FF9073**Explanation:**

Incompatible or non-operational auxiliary cache IOA attached.

Failing Item

- [IOPIP40](#)

57FF9081**Explanation:**

Device error.

Failing Item

- [FI01105](#)
- [STORIOA](#)

57FF9082**Explanation:**

Device error.

Failing Item

- [IOPIP16](#)
- [FI01105](#)
- [STORIOA](#)
- [FI01140](#)
- [BACKPLN](#)
- [FI01106](#)

57FF9090**Explanation:**

Disk unit has been modified after the last known status.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57FF9091**Explanation:**

Incorrect hardware configuration change detected.

Response

Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

57FF9092**Explanation:**

Disk unit requires initialization before use.

Failing Item

- [IOPIP26](#)

57FF9500**Explanation:**

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

57FF9902**Explanation:**

System log entry only. No service action required.

57FF9903**Explanation:**

Tape device information was logged. Informational event, no service required.

57FFC000**Explanation:**

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57FFC100**Explanation:**

System log entry only. No service action required.

Response:

No action is required. This reference code is logged for information only.

57FFC402**Explanation:**

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

57FFF3D**Explanation:**

(586F) Reference codes

586F8100**Explanation:**

A Licensed Internal Code (LIC) error or an unexpected condition in the LIC has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

586F8150**Explanation:**

A permanent failure occurred.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

586F8160**Explanation:**

A Licensed Internal Code error occurred, or the device encountered an unexpected condition.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

586F8300

I/O adapter detected a recoverable error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)

57FFFF6D**Explanation:**

Recoverable system bus error.

Failing Item

- [STORIOA](#)
- [ANYBRDG](#)
- [PTFSRCH](#)

Explanation:

An IOA hardware error or a PCI bus error has occurred.

Problem determination

Perform the following:

1. Examine the location code of the device to determine if the device is in the system unit or an expansion unit. If the device is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage devices and adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the device problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the devices and adapters have returned to operational status. Close reference code xxxx8300 problems for devices and adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault

indicators for those devices and adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for devices and adapters that have returned to operational status.

6. Work reference code xxxx8300 problems for any devices that have not returned to operational status. This ends the procedure.

Failing Item

- [SVCDPCS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

586F8301

Explanation:

An invalid condition was detected in the Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)

(58B0) Reference codes

58B0102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

58B03002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

58B03010

Explanation:

Disk device returned wrong response to IOA.

- [NVMEDEV](#)

586F8302

Explanation:

Missing Licensed Internal Code encountered.

Response:

Ensure that the code necessary to support the device is loaded.

Failing Item

- [SVCDPCS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

586F9507

Explanation:

A command timed-out.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B03020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

58B03029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

58B03100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B03109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B0310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B0310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B03110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B03130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

58B034FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

58B04041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

58B04060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

58B04061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

58B04100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

58B07000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

58B07001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B070DD

Explanation:

System log entry only, no service action required.

58B0FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

58B0FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

58B0FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B0FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B0FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B0FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B0FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B0FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

58B0FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)

(58B2) Reference codes

58B2102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

58B23002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

58B23010

- [STORIOA](#)

58B0FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B0FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B23020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

58B23029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

58B23100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B23109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B2310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B2310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B23110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B23130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

58B234FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

58B24041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

58B24060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

58B24061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

58B24100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

58B27000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

58B27001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B270DD**Explanation:**

System log entry only, no service action required.

58B2FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

58B2FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

58B2FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B2FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B2FFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B2FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B2FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B2FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

58B2FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

(58B3) Reference codes

58B3102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

58B33002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B2FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B2FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [DEVBPLN](#)

- [SASCABL](#)

- [SASEXP](#)

58B33010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B33020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

58B33029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

58B33100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B33109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B3310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B3310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B33110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B33130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

58B334FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

58B34041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

58B34060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

58B34061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

58B34100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

58B37000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

58B37001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B370DD

Explanation:

System log entry only, no service action required.

58B3FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

58B3FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

58B3FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B3FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B3FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B3FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B3FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B3FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

58B3FFFC

Explanation:

Soft device bus error.

Response:

(58B4) Reference codes

58B4102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

58B43002

Explanation:

Addressed device failed to respond to selection.

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B3FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B3FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

58B43010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B43020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

58B43029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

58B43100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B43109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B4310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B4310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B43110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B43130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

58B434FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

58B44041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

58B44060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

58B44061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

58B44100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

58B47000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

58B47001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B470DD

Explanation:

System log entry only, no service action required.

58B4FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

58B4FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

58B4FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B4FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B4FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B4FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B4FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B4FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

(58B5) Reference codes

58B5102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

58B4FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B4FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B4FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

58B53002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

58B53010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B53020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

58B53029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

58B53100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B53109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B5310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B5310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B53110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B53130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

58B534FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

58B54041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

58B54060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

58B54061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

58B54100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

58B57000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

58B57001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B570DD**Explanation:**

System log entry only, no service action required.

58B5FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

58B5FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

58B5FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B5FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B5FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B5FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B5FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B5FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

58B5FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B5FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B5FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(58B6) Reference codes

58B6102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

58B63002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

58B63010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B63020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

58B63029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

58B63100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

58B63109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B6310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B6310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B63110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B63130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

58B634FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

58B64041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

58B64060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

58B64061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

58B64100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)

- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

58B67000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

58B67001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B670DD

Explanation:

System log entry only, no service action required.

58B6FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

58B6FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

58B6FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B6FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B6FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B6FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B6FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

58B6FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

58B6FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

58B6FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

58B6FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(58B8) Reference codes

58B8102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

58B83002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

58B83010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B83020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

58B83029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

58B83100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B83109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B8310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B8310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B83110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B83130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

58B834FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

58B84041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

58B84060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

58B84061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

58B84100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

58B87000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

58B87001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B870DD**Explanation:**

System log entry only, no service action required.

58B8FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

58B8FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

58B8FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B8FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B8FFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B8FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B8FFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B8FFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

58B8FFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B8FFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B8FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

(58B9) Reference codes

58B9102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

58B93002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

58B93010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B93020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

58B93029

Explanation:

A device replacement has occurred.

Response**Failing Item**

- [SIP3150](#)

No action required. This reference code is logged for information only.

58B93100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B93109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B9310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B9310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B93110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B93130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

58B934FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

58B94041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

58B94060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

58B94061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

58B94100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

58B97000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

58B97001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B970DD

Explanation:

System log entry only, no service action required.

58B9FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

58B9FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

58B9FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B9FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B9FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B9FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58B9FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58B9FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

58B9FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58B9FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

58B9FFFE

Explanation:

Temporary disk bus error.

Response:

(58BB) Reference codes

58BB102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

58BB3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

58BB3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58BB3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

58BB3029

Explanation:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

58BB3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58BB3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58BB310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58BB310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58BB3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58BB3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

58BB34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

58BB4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

58BB4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

58BB4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

58BB4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

58BB7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

58BB7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58BB70DD

Explanation:

System log entry only, no service action required.

58BBFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

58BBFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

58BBFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58BBFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58BBFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58BBFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

58BBFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

58BBFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

58BBFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58BBFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

58BBFFFE

(58F8) Reference codes

58F83000

Explanation:

USB optical device information was logged. Informational event, no service required.

58F83002

Explanation:

Unexpected USB device disconnect detected.

Failing Item

- [USB_DEV](#)

58F83010

Explanation:

USB undefined device response.

Failing Item

- [USB_DEV](#)

58F83020

Explanation:

USB configuration error. Too many USB devices are plugged. The internal device map is full.

Problem determination:

Remove USB devices one at a time until the problem is resolved. In the Service Action Log (SAL) the location of the device that caused this error is listed with the FRU.

Failing Item

- [SVCDOS](#)
- [USB_DEV](#)

58F83100

Explanation:

USB device bus error.

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [USB_CBL](#)
- [USB_DEV](#)
- [USB_IOA](#)

58F831AX

Explanation:

USB port over current error detected. The port location is listed in the serviceable event view with the "USBPORT" symbolic FRU. The logical port number is the last character of the URC.

Problem determination

USB port numbers start with '1' and are in the hexadecimal range of 1 through F for each USB port on an adapter.

For the USB port identified by the last digit of the URC, there is a problem with the power being drawn by the device. If the device is within operating specifications it may work properly when plugged into another USB port or another USB adapter. If the device is moved to a different port and this error is logged against the port where the device is plugged then the device may be failing. Try moving the device to a different adapter.

If the device operates properly on another USB port or on another system then the problem is with the USB adapter or the adapter's USB port.

Remove the device on the port given in the location code of symbolic FRU "USBPORT" and look for a xxxx31By SRC to be logged where "xxxx" are the same characters as the first four characters of this SRC and 'y' is the same as the last character of this SRC.

- If the xxxx31By SRC is logged at about the same time that you removed the device then examine the location code of symbolic FRU "USBPORT" for the xxxx31By SRC. If the location code for "USBPORT" is the same as the adapter and port location called out

by this SRC then the problem at this port has been corrected. The device may be failing. The device may function properly on another USB port or another system.

- If the xxxx31By SRC is not logged then work the failing item list in the serviceable event view or from the list below.

Failing Item

- [SVCDPCS](#)
- [USBPORT](#)
- [USB_DEV](#)
- [USB_IOA](#)

58F831BX

Explanation:

USB port over current error removed.

Problem determination:

An over current condition that previously existed on this port has been resolved. The port is operating normally. The port location is listed with symbolic FRU "SVCDPCS" in the serviceable event view. The logical port number is the last character of the SRC.

Failing Item

- [SVCDPCS](#)

58F83202

Explanation:

USB optical device information was logged. Informational event, no service required.

58F83400

Explanation:

USB unknown device or unexpected device removal. If this SRC appears in a serviceable event view then it requires service. Otherwise no service is required.

Problem determination

Did this error occur during an IPL?

- Yes - The device may have been initializing when an access occurred. Reset / reload the adapter or retry the IPL. If the problem persists then the device is failing.
- No - The device is unknown or was unexpectedly removed.

Failing Item

- [USB_DEV](#)
- [USB_CBL](#)

58F83405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest related PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists, then contact your service provider.

Failing Item

- [PTFSRCH](#)

58F84150

Explanation:

USB IOA hard PCI error.

Failing Item

- [USB_IOA](#)
- [ANYBRDG](#)

58F88100

Explanation:

USB IOA manager program error.

Failing Item

- [AJDGP01](#)

58F88150

Explanation:

USB hard IOA or device hardware error.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)

58F88300

Explanation:

USB IOA hardware error, IOA reset issued.

Failing Item

- [USB_IOA](#)

58F88301

Explanation:

USB program error.

Failing Item

- [AJDGP01](#)

58F88303

Explanation:

USB port enumerator error.

Failing Item

- [AJDGP01](#)
- [USB_IOA](#)

58F8C000

Explanation:

USB optical device information was logged.
Informational event, no service required.

58F8C402

Explanation:

(58F9) Reference codes

58F93000

Explanation:

USB optical device information was logged.
Informational event, no service required.

58F93002

Explanation:

Unexpected USB device disconnect detected.

Failing Item

- [USB_DEV](#)

58F93010

Explanation:

USB undefined device response.

Failing Item

- [USB_DEV](#)

58F93020

Explanation:

USB optical device LIC information was logged.
Informational event, no service required.

58F8FF3D

Explanation:

USB optical device successfully recovered from a temporary error. No action is required. This reference code is logged for information only.

58F8FFF3

Explanation:

USB media format corrupted.

Failing Item

- [MEDIA](#)
- [USB_DEV](#)

58F8FFF4

Explanation:

USB internal device error.

Failing Item

- [USB_DEV](#)

58F8FFFE

Explanation:

USB temporary bus error.

USB configuration error. Too many USB devices are plugged. The internal device map is full.

Problem determination:

Remove USB devices one at a time until the problem is resolved. In the Service Action Log (SAL) the location of the device that caused this error is listed with the FRU.

Failing Item

- [SVCDPCS](#)
- [USB_DEV](#)

58F93100

Explanation:

USB device bus error.

Failing Item

- [USB_CBL](#)
- [USB_DEV](#)
- [USB_IOA](#)

58F931AX

Explanation:

USB port over current error detected. The port location is listed in the serviceable event view with the "USBPORT" symbolic FRU. The logical port number is the last character of the URC.

Problem determination

USB port numbers start with '1' and are in the hexadecimal range of 1 through F for each USB port on an adapter.

For the USB port identified by the last digit of the URC, there is a problem with the power being drawn by the device. If the device is within operating specifications it may work properly when plugged into another USB port or another USB adapter. If the device is moved to a different port and this error is logged against the port where the device is plugged then the device may be failing. Try moving the device to a different adapter.

If the device operates properly on another USB port or on another system then the problem is with the USB adapter or the adapter's USB port.

Remove the device on the port given in the location code of symbolic FRU "USBPORT" and look for a xxxx31By SRC to be logged where "xxxx" are the same characters as the first four characters of this SRC and 'y' is the same as the last character of this SRC.

- If the xxxx31By SRC is logged at about the same time that you removed the device then examine the location code of symbolic FRU "USBPORT" for the xxxx31By SRC. If the location code for "USBPORT" is the same as the adapter and port location called out by this SRC then the problem at this port has been corrected. The device may be failing. The device may function properly on another USB port or another system.
- If the xxxx31By SRC is not logged then work the failing item list in the serviceable event view or from the list below.

Failing Item

- [SVCDOS](#)
- [USBPORT](#)
- [USB_DEV](#)
- [USB_IOA](#)

58F931BX

Explanation:

USB port over current error removed.

Problem determination:

An over current condition that previously existed on this port has been resolved. The port is operating normally. The port location is listed with symbolic FRU "SVCDOS" in the serviceable event view. The logical port number is the last character of the SRC.

Failing Item

- [SVCDOS](#)

58F93202

Explanation:

USB optical device information was logged. Informational event, no service required.

58F93400

Explanation:

USB unknown device or unexpected device removal. If this SRC appears in a serviceable event view then it requires service. Otherwise no service is required.

Problem determination

Did this error occur during an IPL?

- Yes - The device may have been initializing when an access occurred. Reset / reload the adapter or retry the IPL. If the problem persists then the device is failing.
- No - The device is unknown or was unexpectedly removed.

Failing Item

- [USB_DEV](#)
- [USB_CBL](#)

58F93405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest related PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process.
If the error persists, then contact your service provider.

Failing Item

- [PTFSRCH](#)

58F94150

Explanation:
USB IOA hard PCI error.

Failing Item

- [USB_IOA](#)
- [ANYBRDG](#)

58F98100

Explanation:
USB IOA manager program error.

Failing Item

- [AJDGP01](#)

58F98150

Explanation:
USB hard IOA or device hardware error.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)

58F98300

Explanation:
USB IOA hardware error, IOA reset issued.

Failing Item

- [USB_IOA](#)

58F98301

Explanation:
USB program error.

Failing Item

- [AJDGP01](#)

(58FA) Reference codes

58FAA001

Explanation:
I/O adapter Licensed Internal Code error detected.

58F98303

Explanation:
USB port enumerator error.

Failing Item

- [AJDGP01](#)
- [USB_IOA](#)

58F9C000

Explanation:
USB optical device information was logged.
Informational event, no service required.

58F9C402

Explanation:
USB optical device LIC information was logged.
Informational event, no service required.

58F9FF3D

Explanation:
USB optical device successfully recovered from a temporary error. No action is required. This reference code is logged for information only.

58F9FFF3

Explanation:
USB media format corrupted.

Failing Item

- [MEDIA](#)
- [USB_DEV](#)

58F9FFF4

Explanation:
USB internal device error.

Failing Item

- [USB_DEV](#)

58F9FFFE

Explanation:
USB temporary bus error.

Failing Item

- [AJDG301](#)

58FAA6F6

Explanation:

I/O adapter Licensed Internal Code could not be updated. No service is required. This SRC is logged as informational.

58FAB9B0**Explanation:**

(58FB) Reference codes

58FBA001**Explanation:**

I/O adapter Licensed Internal Code error detected.

Failing Item

- [AJDG301](#)

58FBA6F6**Explanation:**

I/O adapter Licensed Internal Code could not be updated. No service is required. This SRC is logged as informational.

(58FC) Reference codes

58FC4080**Explanation:**

Device is over its temperature threshold. Performance degradation may occur.

Failing Item

- [SIP3295](#)

58FC8100**Explanation:**

A Licensed Internal Code (LIC) error or an unexpected condition in the LIC has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FC8150**Explanation:**

A permanent failure occurred.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

58FBB9B0**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [IOA](#)
- [AJDG301](#)

58FC8160**Explanation:**

A Licensed Internal Code error occurred, or the device encountered an unexpected condition.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FC8300**Explanation:**

An IOA hardware error or a PCI bus error has occurred.

Problem determination

Perform the following:

1. Examine the location code of the device to determine if the device is in the system unit or an expansion unit. If the device is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage devices and adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.

3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the device problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the devices and adapters have returned to operational status. Close reference code xxxx8300 problems for devices and adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those devices and adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for devices and adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any devices that have not returned to operational status. This ends the procedure.

Failing Item

- [SVCDPCS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

58FC8301

Explanation:

An invalid condition was detected in the Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FC8302

Explanation:

Missing Licensed Internal Code encountered.

Response:

Ensure that the code necessary to support the device is loaded.

Failing Item

- [SVCDPCS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FC9092

Explanation:

A namespace is not the proper block size.

Failing Item

- [NVMEFMT](#)

58FC9500

Explanation:

Device detected an error.

58FC9501

Explanation:

A Licensed Internal Code (LIC) error or unexpected condition in LIC occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FC9502

Explanation:

An error handling command failure has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FC9503

Explanation:

Device reliability has been compromised.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)

58FC9505

Explanation:

Device is nearing end of life.

Failing Item

- [NVMEEOOL](#)
- [NVMEDEV](#)

58FC9506

Explanation:

Device encountered an error.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FC9507

Explanation:

A command timed-out.

(58FD) Reference codes

58FD4080

Explanation:

Device is over its temperature threshold. Performance degradation may occur.

Failing Item

- [SIP3295](#)

58FD8100

Explanation:

A Licensed Internal Code (LIC) error or an unexpected condition in the LIC has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FD8150

Explanation:

A permanent failure occurred.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

58FD8160

Explanation:

A Licensed Internal Code error occurred, or the device encountered an unexpected condition.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FC9508

Explanation:

More namespaces exist on a device than are allowed.

Response:

Delete namespaces to free up memory.

58FC9509

Explanation:

Device could not load firmware image.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FD8300

Explanation:

An IOA hardware error or a PCI bus error has occurred.

Problem determination

Perform the following:

1. Examine the location code of the device to determine if the device is in the system unit or an expansion unit. If the device is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage devices and adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the device problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work

those problems first, then return to the next step in this procedure.

5. Use Hardware Service Manager (HSM) to verify that the devices and adapters have returned to operational status. Close reference code xxxx8300 problems for devices and adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those devices and adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for devices and adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any devices that have not returned to operational status. This ends the procedure.

Failing Item

- [SVCDOS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

58FD8301

Explanation:

An invalid condition was detected in the Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FD8302

Explanation:

Missing Licensed Internal Code encountered.

Response:

Ensure that the code necessary to support the device is loaded.

Failing Item

- [SVCDOS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FD9092

Explanation:

A namespace is not the proper block size.

Failing Item

- [NVMEFMT](#)

58FD9500

Explanation:

Device detected an error.

58FD9501

Explanation:

A Licensed Internal Code (LIC) error or unexpected condition in LIC occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FD9502

Explanation:

An error handling command failure has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FD9503

Explanation:

Device reliability has been compromised.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)

58FD9505

Explanation:

Device is nearing end of life.

Failing Item

- [NVMEEO](#)
- [NVMEDEV](#)

58FD9506

Explanation:

Device encountered an error.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)

- [NVMEDEV](#)

58FD9507

Explanation:

A command timed-out.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

(58FE) Reference codes

58FE4080

Explanation:

Device is over its temperature threshold. Performance degradation may occur.

Failing Item

- [SIP3295](#)

58FE8100

Explanation:

A Licensed Internal Code (LIC) error or an unexpected condition in the LIC has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FE8150

Explanation:

A permanent failure occurred.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

58FE8160

Explanation:

A Licensed Internal Code error occurred, or the device encountered an unexpected condition.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FD9508

Explanation:

More namespaces exist on a device than are allowed.

Response:

Delete namespaces to free up memory.

58FD9509

Explanation:

Device could not load firmware image.

58FE8300

Explanation:

An IOA hardware error or a PCI bus error has occurred.

Problem determination

Perform the following:

1. Examine the location code of the device to determine if the device is in the system unit or an expansion unit. If the device is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage devices and adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the device problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the devices and adapters have returned to operational status. Close reference code xxxx8300 problems for devices and adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those devices and adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for devices and adapters that have returned to operational status.

6. Work reference code xxxx8300 problems for any devices that have not returned to operational status. This ends the procedure.

Failing Item

- [SVCDOS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

58FE8301

Explanation:

An invalid condition was detected in the Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FE8302

Explanation:

Missing Licensed Internal Code encountered.

Response:

Ensure that the code necessary to support the device is loaded.

Failing Item

- [SVCDOS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FE9092

Explanation:

A namespace is not the proper block size.

Failing Item

- [NVMEFMT](#)

58FE9500

Explanation:

Device detected an error.

58FE9501

Explanation:

A Licensed Internal Code (LIC) error or unexpected condition in LIC occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FE9502

Explanation:

An error handling command failure has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FE9503

Explanation:

Device reliability has been compromised.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)

58FE9505

Explanation:

Device is nearing end of life.

Failing Item

- [NVMEEOOL](#)
- [NVMEDEV](#)

58FE9506

Explanation:

Device encountered an error.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FE9507

Explanation:

A command timed-out.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

58FE9508

Explanation:

More namespaces exist on a device than are allowed.

Response:

Delete namespaces to free up memory.

(590F) Reference codes

590F3000**Explanation:**

USB optical device information was logged.
Informational event, no service required.

590F3002**Explanation:**

Unexpected USB device disconnect detected.

Failing Item

- [USB_DEV](#)

590F3010**Explanation:**

USB undefined device response.

Failing Item

- [USB_DEV](#)

590F3020**Explanation:**

USB configuration error. Too many USB devices are plugged. The internal device map is full.

Problem determination:

Remove USB devices one at a time until the problem is resolved. In the Service Action Log (SAL) the location of the device that caused this error is listed with the FRU.

Failing Item

- [SVCDOS](#)
- [USB_DEV](#)

590F3100**Explanation:**

USB device bus error.

Failing Item

- [USB_CBL](#)
- [USB_DEV](#)
- [USB_IOA](#)

590F31AX**Explanation:**

58FE9509**Explanation:**

Device could not load firmware image.

USB port over current error detected. The port location is listed in the serviceable event view with the "USBPORT" symbolic FRU. The logical port number is the last character of the URC.

Problem determination

USB port numbers start with '1' and are in the hexadecimal range of 1 through F for each USB port on an adapter.

For the USB port identified by the last digit of the URC, there is a problem with the power being drawn by the device. If the device is within operating specifications it may work properly when plugged into another USB port or another USB adapter. If the device is moved to a different port and this error is logged against the port where the device is plugged then the device may be failing. Try moving the device to a different adapter.

If the device operates properly on another USB port or on another system then the problem is with the USB adapter or the adapter's USB port.

Remove the device on the port given in the location code of symbolic FRU "USBPORT" and look for a xxxx31By SRC to be logged where "xxxx" are the same characters as the first four characters of this SRC and 'y' is the same as the last character of this SRC.

- If the xxxx31By SRC is logged at about the same time that you removed the device then examine the location code of symbolic FRU "USBPORT" for the xxxx31By SRC. If the location code for "USBPORT" is the same as the adapter and port location called out by this SRC then the problem at this port has been corrected. The device may be failing. The device may function properly on another USB port or another system.
- If the xxxx31By SRC is not logged then work the failing item list in the serviceable event view or from the list below.

Failing Item

- [SVCDOS](#)
- [USBPORT](#)
- [USB_DEV](#)
- [USB_IOA](#)

590F31BX**Explanation:**

USB port over current error removed.

Problem determination:

An over current condition that previously existed on this port has been resolved. The port is operating normally. The port location is listed with symbolic FRU "SVCDOCS" in the serviceable event view. The logical port number is the last character of the SRC.

Failing Item

- [SVCDOCS](#)

590F3202**Explanation:**

USB optical device information was logged. Informational event, no service required.

590F3400**Explanation:**

USB unknown device or unexpected device removal. If this SRC appears in a serviceable event view then it requires service. Otherwise no service is required.

Problem determination

Did this error occur during an IPL?

- Yes - The device may have been initializing when an access occurred. Reset / reload the adapter or retry the IPL. If the problem persists then the device is failing.
- No - The device is unknown or was unexpectedly removed.

Failing Item

- [USB_DEV](#)
- [USB_CBL](#)

590F3405**Explanation:**

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest related PTFs.

- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists, then contact your service provider.

Failing Item

- [PTFSRCH](#)

590F4150**Explanation:**

USB IOA hard PCI error.

Failing Item

- [USB_IOA](#)
- [ANYBRDG](#)

590F8100**Explanation:**

USB IOA manager program error.

Failing Item

- [AJDGP01](#)

590F8150**Explanation:**

USB hard IOA or device hardware error.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)

590F8300**Explanation:**

USB IOA hardware error, IOA reset issued.

Failing Item

- [USB_IOA](#)

590F8301**Explanation:**

USB program error.

Failing Item

- [AJDGP01](#)

590F8303**Explanation:**

USB port enumerator error.

Failing Item

- [AJDGP01](#)
- [USB_IOA](#)

590FC000

Explanation:

USB optical device information was logged.
Informational event, no service required.

590FC402

Explanation:

USB optical device LIC information was logged.
Informational event, no service required.

590FFF3D

Explanation:

USB optical device successfully recovered from a temporary error. No action is required. This reference code is logged for information only.

(5947) Reference codes

59474080

Explanation:

Device is over its temperature threshold. Performance degradation may occur.

Failing Item

- [SIP3295](#)

59478100

Explanation:

A Licensed Internal Code (LIC) error or an unexpected condition in the LIC has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59478150

Explanation:

A permanent failure occurred.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

59478160

590FFFF3

Explanation:

USB media format corrupted.

Failing Item

- [MEDIA](#)
- [USB_DEV](#)

590FFFF4

Explanation:

USB internal device error.

Failing Item

- [USB_DEV](#)

590FFFFE

Explanation:

USB temporary bus error.

Explanation:

A Licensed Internal Code error occurred, or the device encountered an unexpected condition.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59478300

Explanation:

An IOA hardware error or a PCI bus error has occurred.

Problem determination

Perform the following:

1. Examine the location code of the device to determine if the device is in the system unit or an expansion unit. If the device is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage devices and adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the device

problems were created while working on the unit or working on the connection to the unit, go to step 5.

4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the devices and adapters have returned to operational status. Close reference code xxxx8300 problems for devices and adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those devices and adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for devices and adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any devices that have not returned to operational status. This ends the procedure.

Failing Item

- [SVCDOS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

59478301

Explanation:

An invalid condition was detected in the Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59478302

Explanation:

Missing Licensed Internal Code encountered.

Response:

Ensure that the code necessary to support the device is loaded.

Failing Item

- [SVCDOS](#)
- [PTFSRCH](#)

- [LICIP17](#)
- [NVMEDEV](#)

59479092

Explanation:

A namespace is not the proper block size.

Failing Item

- [NVMEFMT](#)

59479500

Explanation:

Device detected an error.

59479501

Explanation:

A Licensed Internal Code (LIC) error or unexpected condition in LIC occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59479502

Explanation:

An error handling command failure has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59479503

Explanation:

Device reliability has been compromised.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)

59479505

Explanation:

Device is nearing end of life.

Failing Item

- [NVMEEOOL](#)
- [NVMEDEV](#)

59479506

Explanation:

Device encountered an error.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59479507**Explanation:**

A command timed-out.

Failing Item

- [PTFSRCH](#)

(594A) Reference codes**594A4080****Explanation:**

Device is over its temperature threshold. Performance degradation may occur.

Failing Item

- [SIP3295](#)

594A8100**Explanation:**

A Licensed Internal Code (LIC) error or an unexpected condition in the LIC has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594A8150**Explanation:**

A permanent failure occurred.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

594A8160**Explanation:**

A Licensed Internal Code error occurred, or the device encountered an unexpected condition.

- [LICIP17](#)
- [NVMEDEV](#)

59479508**Explanation:**

More namespaces exist on a device than are allowed.

Response:

Delete namespaces to free up memory.

59479509**Explanation:**

Device could not load firmware image.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594A8300**Explanation:**

An IOA hardware error or a PCI bus error has occurred.

Problem determination

Perform the following:

1. Examine the location code of the device to determine if the device is in the system unit or an expansion unit. If the device is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage devices and adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the device problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.

5. Use Hardware Service Manager (HSM) to verify that the devices and adapters have returned to operational status. Close reference code xxxx8300 problems for devices and adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those devices and adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for devices and adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any devices that have not returned to operational status. This ends the procedure.

Failing Item

- [SVCDOCS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

594A8301

Explanation:

An invalid condition was detected in the Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594A8302

Explanation:

Missing Licensed Internal Code encountered.

Response:

Ensure that the code necessary to support the device is loaded.

Failing Item

- [SVCDOCS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594A9092

Explanation:

A namespace is not the proper block size.

Failing Item

- [NVMEFMT](#)

594A9500

Explanation:

Device detected an error.

594A9501

Explanation:

A Licensed Internal Code (LIC) error or unexpected condition in LIC occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594A9502

Explanation:

An error handling command failure has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594A9503

Explanation:

Device reliability has been compromised.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)

594A9505

Explanation:

Device is nearing end of life.

Failing Item

- [NVMEEOOL](#)
- [NVMEDEV](#)

594A9506

Explanation:

Device encountered an error.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)

- [NVMEDEV](#)

594A9507

Explanation:

A command timed-out.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

(594B) Reference codes

594B4080

Explanation:

Device is over its temperature threshold. Performance degradation may occur.

Failing Item

- [SIP3295](#)

594B8100

Explanation:

A Licensed Internal Code (LIC) error or an unexpected condition in the LIC has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594B8150

Explanation:

A permanent failure occurred.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

594B8160

Explanation:

A Licensed Internal Code error occurred, or the device encountered an unexpected condition.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594A9508

Explanation:

More namespaces exist on a device than are allowed.

Response:

Delete namespaces to free up memory.

594A9509

Explanation:

Device could not load firmware image.

594B8300

Explanation:

An IOA hardware error or a PCI bus error has occurred.

Problem determination

Perform the following:

1. Examine the location code of the device to determine if the device is in the system unit or an expansion unit. If the device is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage devices and adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the device problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the devices and adapters have returned to operational status. Close reference code xxxx8300 problems for devices and adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those devices and adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for devices and adapters that have returned to operational status.

6. Work reference code xxxx8300 problems for any devices that have not returned to operational status. This ends the procedure.

Failing Item

- [SVCDOS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

594B8301

Explanation:

An invalid condition was detected in the Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594B8302

Explanation:

Missing Licensed Internal Code encountered.

Response:

Ensure that the code necessary to support the device is loaded.

Failing Item

- [SVCDOS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594B9092

Explanation:

A namespace is not the proper block size.

Failing Item

- [NVMEFMT](#)

594B9500

Explanation:

Device detected an error.

594B9501

Explanation:

A Licensed Internal Code (LIC) error or unexpected condition in LIC occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594B9502

Explanation:

An error handling command failure has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594B9503

Explanation:

Device reliability has been compromised.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)

594B9505

Explanation:

Device is nearing end of life.

Failing Item

- [NVMEEOOL](#)
- [NVMEDEV](#)

594B9506

Explanation:

Device encountered an error.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594B9507

Explanation:

A command timed-out.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594B9508

Explanation:

More namespaces exist on a device than are allowed.

Response:

Delete namespaces to free up memory.

(594C) Reference codes

594C4080**Explanation:**

Device is over its temperature threshold. Performance degradation may occur.

Failing Item

- [SIP3295](#)

594C8100**Explanation:**

A Licensed Internal Code (LIC) error or an unexpected condition in the LIC has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594C8150**Explanation:**

A permanent failure occurred.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

594C8160**Explanation:**

A Licensed Internal Code error occurred, or the device encountered an unexpected condition.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594C8300**Explanation:**

An IOA hardware error or a PCI bus error has occurred.

Problem determination

Perform the following:

594B9509**Explanation:**

Device could not load firmware image.

1. Examine the location code of the device to determine if the device is in the system unit or an expansion unit. If the device is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage devices and adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the device problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the devices and adapters have returned to operational status. Close reference code xxxx8300 problems for devices and adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those devices and adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for devices and adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any devices that have not returned to operational status. This ends the procedure.

Failing Item

- [SVCDOS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

594C8301**Explanation:**

An invalid condition was detected in the Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594C8302

Explanation:

Missing Licensed Internal Code encountered.

Response:

Ensure that the code necessary to support the device is loaded.

Failing Item

- [SVCDOCS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594C9092

Explanation:

A namespace is not the proper block size.

Failing Item

- [NVMEFMT](#)

594C9500

Explanation:

Device detected an error.

594C9501

Explanation:

A Licensed Internal Code (LIC) error or unexpected condition in LIC occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594C9502

Explanation:

An error handling command failure has occurred.

Failing Item

- [PTFSRCH](#)

- [LICIP17](#)
- [NVMEDEV](#)

594C9503

Explanation:

Device reliability has been compromised.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)

594C9505

Explanation:

Device is nearing end of life.

Failing Item

- [NVMEEOOL](#)
- [NVMEDEV](#)

594C9506

Explanation:

Device encountered an error.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594C9507

Explanation:

A command timed-out.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

594C9508

Explanation:

More namespaces exist on a device than are allowed.

Response:

Delete namespaces to free up memory.

594C9509

Explanation:

Device could not load firmware image.

(59B8) Reference codes

59B84080

Explanation:

Device is over its temperature threshold. Performance degradation may occur.

Failing Item

- [SIP3295](#)

59B88100

Explanation:

A Licensed Internal Code (LIC) error or an unexpected condition in the LIC has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B88150

Explanation:

A permanent failure occurred.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

59B88160

Explanation:

A Licensed Internal Code error occurred, or the device encountered an unexpected condition.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B88300

Explanation:

An IOA hardware error or a PCI bus error has occurred.

Problem determination

Perform the following:

1. Examine the location code of the device to determine if the device is in the system unit or an expansion unit. If the device is in an expansion unit, continue with the next step. Otherwise this ends the procedure.

2. If multiple storage devices and adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the device problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the devices and adapters have returned to operational status. Close reference code xxxx8300 problems for devices and adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those devices and adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for devices and adapters that have returned to operational status.
6. Work reference code xxxx8300 problems for any devices that have not returned to operational status. This ends the procedure.

Failing Item

- [SVCDOCS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

59B88301

Explanation:

An invalid condition was detected in the Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B88302

Explanation:

Missing Licensed Internal Code encountered.

Response:

Ensure that the code necessary to support the device is loaded.

Failing Item

- [SVCDPCS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B89092**Explanation:**

A namespace is not the proper block size.

Failing Item

- [NVMEFMT](#)

59B89500**Explanation:**

Device detected an error.

59B89501**Explanation:**

A Licensed Internal Code (LIC) error or unexpected condition in LIC occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B89502**Explanation:**

An error handling command failure has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B89503

(59B9) Reference codes

59B94080**Explanation:**

Device is over its temperature threshold. Performance degradation may occur.

Explanation:

Device reliability has been compromised.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)

59B89505**Explanation:**

Device is nearing end of life.

Failing Item

- [NVMEEOOL](#)
- [NVMEDEV](#)

59B89506**Explanation:**

Device encountered an error.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B89507**Explanation:**

A command timed-out.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B89508**Explanation:**

More namespaces exist on a device than are allowed.

Response:

Delete namespaces to free up memory.

59B89509**Explanation:**

Device could not load firmware image.

Failing Item

- [SIP3295](#)

59B98100

Explanation:

A Licensed Internal Code (LIC) error or an unexpected condition in the LIC has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B98150**Explanation:**

A permanent failure occurred.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

59B98160**Explanation:**

A Licensed Internal Code error occurred, or the device encountered an unexpected condition.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B98300**Explanation:**

An IOA hardware error or a PCI bus error has occurred.

Problem determination

Perform the following:

1. Examine the location code of the device to determine if the device is in the system unit or an expansion unit. If the device is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage devices and adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the device problems were created while working on the unit or working on the connection to the unit, go to step 5.

4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.

5. Use Hardware Service Manager (HSM) to verify that the devices and adapters have returned to operational status. Close reference code xxxx8300 problems for devices and adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault indicators for those devices and adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for devices and adapters that have returned to operational status.

6. Work reference code xxxx8300 problems for any devices that have not returned to operational status. This ends the procedure.

Failing Item

- [SVCDOS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

59B98301**Explanation:**

An invalid condition was detected in the Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B98302**Explanation:**

Missing Licensed Internal Code encountered.

Response:

Ensure that the code necessary to support the device is loaded.

Failing Item

- [SVCDOS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B99092

Explanation:

A namespace is not the proper block size.

Failing Item

- [NVMEFMT](#)

59B99500**Explanation:**

Device detected an error.

59B99501**Explanation:**

A Licensed Internal Code (LIC) error or unexpected condition in LIC occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B99502**Explanation:**

An error handling command failure has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B99503**Explanation:**

Device reliability has been compromised.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)

(59BA) Reference codes

59BA4080**Explanation:**

Device is over its temperature threshold. Performance degradation may occur.

Failing Item

- [SIP3295](#)

59BA8100**Explanation:**

59B99505**Explanation:**

Device is nearing end of life.

Failing Item

- [NVMEEOOL](#)
- [NVMEDEV](#)

59B99506**Explanation:**

Device encountered an error.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B99507**Explanation:**

A command timed-out.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59B99508**Explanation:**

More namespaces exist on a device than are allowed.

Response:

Delete namespaces to free up memory.

59B99509**Explanation:**

Device could not load firmware image.

A Licensed Internal Code (LIC) error or an unexpected condition in the LIC has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59BA8150**Explanation:**

A permanent failure occurred.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

59BA8160

Explanation:

A Licensed Internal Code error occurred, or the device encountered an unexpected condition.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59BA8300

Explanation:

An IOA hardware error or a PCI bus error has occurred.

Problem determination

Perform the following:

1. Examine the location code of the device to determine if the device is in the system unit or an expansion unit. If the device is in an expansion unit, continue with the next step. Otherwise this ends the procedure.
2. If multiple storage devices and adapters in the same expansion unit logged reference code xxxx8300 as a serviceable event at about the same time, continue with the next step. Otherwise this ends the procedure.
3. Suspect a problem with the connection to the enclosure. The problem may have been temporary while working on the unit or while working on the connection or cable(s) to the unit. If the device problems were created while working on the unit or working on the connection to the unit, go to step 5.
4. Search for problems logged at about the same time and call out the FRUs that connect the expansion unit to the system unit including the cable(s). Work those problems first, then return to the next step in this procedure.
5. Use Hardware Service Manager (HSM) to verify that the devices and adapters have returned to operational status. Close reference code xxxx8300 problems for devices and adapters that have returned to operational status. Expansion units attached to system units using Light Path service indicators may have activated the FRU fault

indicators for those devices and adapters. Use the Service Action Log (SAL) to turn off the FRU fault indicators for devices and adapters that have returned to operational status.

6. Work reference code xxxx8300 problems for any devices that have not returned to operational status. This ends the procedure.

Failing Item

- [SVCDOCS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)
- [ANYBRDG](#)

59BA8301

Explanation:

An invalid condition was detected in the Licensed Internal Code.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59BA8302

Explanation:

Missing Licensed Internal Code encountered.

Response:

Ensure that the code necessary to support the device is loaded.

Failing Item

- [SVCDOCS](#)
- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59BA9092

Explanation:

A namespace is not the proper block size.

Failing Item

- [NVMEFMT](#)

59BA9500

Explanation:

Device detected an error.

59BA9501

Explanation:

A Licensed Internal Code (LIC) error or unexpected condition in LIC occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59BA9502**Explanation:**

An error handling command failure has occurred.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59BA9503**Explanation:**

Device reliability has been compromised.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)

59BA9505**Explanation:**

Device is nearing end of life.

Failing Item

- [NVMEEOL](#)

(59BE) Reference codes

59BE102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59BE3002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [NVMEDEV](#)

59BA9506**Explanation:**

Device encountered an error.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59BA9507**Explanation:**

A command timed-out.

Failing Item

- [PTFSRCH](#)
- [LICIP17](#)
- [NVMEDEV](#)

59BA9508**Explanation:**

More namespaces exist on a device than are allowed.

Response:

Delete namespaces to free up memory.

59BA9509**Explanation:**

Device could not load firmware image.

- [DEVBPLN](#)

- [SASCABL](#)

- [SASEXP](#)

59BE3010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59BE3020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
 - [STORIOA](#)
 - [SASCABL](#)
-

59BE3029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59BE3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
 - [STORIOA](#)
 - [SASCABL](#)
 - [SASEXP](#)
-

59BE3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
 - [STORIOA](#)
 - [SASCABL](#)
 - [SASEXP](#)
-

59BE310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
 - [DISKDRV](#)
 - [STORIOA](#)
-

59BE310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
 - [DISKDRV](#)
 - [STORIOA](#)
-

59BE3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
 - [STORIOA](#)
 - [SASCABL](#)
 - [SASEXP](#)
-

59BE3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)
-

59BE34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

59BE4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)
-

59BE4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59BE4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

59BE4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59BE7000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59BE7001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59BE70DD**Explanation:**

System log entry only, no service action required.

59BEFFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59BEFFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59BEFFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59BEFFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59BEFFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59BEFFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59BEFFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59BEFFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59BEFFFC**Explanation:**

Soft device bus error.

(59C0) Reference codes

59C0102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59C03002**Explanation:**

Addressed device failed to respond to selection.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59BEFFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59BEFFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59C03010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C03020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59C03029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59C03100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C03109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C0310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C0310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C03110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C03130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59C034FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59C04041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59C04060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59C04061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

59C04100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59C07000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59C07001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C070DD

Explanation:

System log entry only, no service action required.

59C0FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59C0FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59C0FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C0FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C0FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C0FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C0FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C0FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

(59C2) Reference codes

59C2102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59C0FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C0FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C0FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

59C23002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59C23010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C23020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59C23029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59C23100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C23109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C2310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C2310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C23110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C23130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59C234FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59C24041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59C24060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59C24061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59C24100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59C27000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59C27001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C270DD**Explanation:**

System log entry only, no service action required.

59C2FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59C2FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59C2FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C2FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C2FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C2FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C2FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C2FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59C2FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C2FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C2FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(59C3) Reference codes

59C3102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59C33002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59C33010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C33020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59C33029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59C33100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

59C33109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C3310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C3310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C33110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C33130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59C334FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59C34041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59C34060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59C34061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59C34100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)

- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59C37000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59C37001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C370DD

Explanation:

System log entry only, no service action required.

59C3FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59C3FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59C3FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C3FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C3FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C3FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C3FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

59C3FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59C3FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

59C3FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

59C3FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(59C8) Reference codes

59C8102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59C83002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59C83010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C83020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59C83029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59C83100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C83109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C8310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C8310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C83110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C83130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59C834FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

59C84041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59C84060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59C84061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59C84100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59C87000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59C87001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C870DD**Explanation:**

System log entry only, no service action required.

59C8FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59C8FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59C8FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C8FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C8FFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C8FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C8FFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C8FFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59C8FFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C8FFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C8FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

(59C9) Reference codes

59C9102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59C93002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59C93010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C93020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59C93029

Explanation:

A device replacement has occurred.

Response**Failing Item**

- [SIP3150](#)

No action required. This reference code is logged for information only.

59C93100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C93109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C9310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C9310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C93110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C93130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59C934FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59C94041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59C94060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59C94061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59C94100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59C97000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59C97001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C970DD

Explanation:

System log entry only, no service action required.

59C9FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59C9FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59C9FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C9FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C9FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C9FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59C9FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59C9FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59C9FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59C9FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

59C9FFFE

Explanation:

Temporary disk bus error.

Response:

(59CC) Reference codes

59CC102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59CC3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59CC3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CC3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59CC3029

Explanation:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59CC3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CC3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CC310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CC310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CC3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CC3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

59CC34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59CC4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59CC4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59CC4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59CC4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59CC7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59CC7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CC70DD

Explanation:

System log entry only, no service action required.

59CCFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59CCFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59CCFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CCFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CCFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CCFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CCFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CCFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59CCFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CCFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CCFFFE

(59CD) Reference codes

59CD102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59CD3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59CD3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CD3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

59CD3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59CD3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CD3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CD310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

59CD310D

Explanation:
Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CD3110

Explanation:
Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CD3130

Explanation:
Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59CD34FF

Explanation:
Format in progress.

Response:
No action required. This reference code is logged for information only.

59CD4041

Explanation:
Incomplete multipath connection.

Response:
Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59CD4060

Explanation:
Multipath redundancy level reduced.

Response:
A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59CD4061

Explanation:
Multipath redundancy level increased.

Response:
A redundant disk unit connection has been restored. No service action is required.

59CD4100

Explanation:
Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59CD7000

Explanation:
Disk sector read error.

Response

No action required. This reference code is logged for information only.

59CD7001

Explanation:
Temporary disk data error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CD70DD

Explanation:

System log entry only, no service action required.

59CDFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59CDFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

59CDFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CDFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CDFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CDFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CDFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

59CDFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59CDFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CDFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

(59CE) Reference codes

59CE102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59CE3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59CE3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CE3020

- [DISKDRV](#)
- [STORIOA](#)

59CDFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59CE3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59CE3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CE3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CE310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CE310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CE3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CE3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59CE34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59CE4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59CE4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59CE4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59CE4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59CE7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59CE7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CE70DD

Explanation:

System log entry only, no service action required.

59CEFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59CEFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59CEFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CEFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CEFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CEFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CEFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CEFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59CEFFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CEFFFD**Explanation:**

Soft device bus error.

Response:

(59CF) Reference codes

59CF102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59CF3002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59CF3010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CEFFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

59CF3020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59CF3029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59CF3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CF3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CF310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CF310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CF3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CF3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59CF34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59CF4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59CF4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59CF4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59CF4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)

- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59CF7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59CF7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CF70DD

Explanation:

System log entry only, no service action required.

59CFFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59CFFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59CFFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CFFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CFFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CFFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59CFFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59CFFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59CFFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)

(59D0) Reference codes

59D0102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59D03002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59D03010

- [STORIOA](#)

59CFFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59CFFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D03020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59D03029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59D03100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D03109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D0310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D0310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D03110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D03130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59D034FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

59D04041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59D04060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59D04061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

59D04100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59D07000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59D07001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D070DD**Explanation:**

System log entry only, no service action required.

59D0FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59D0FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59D0FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D0FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D0FFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D0FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D0FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D0FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59D0FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

(59D2) Reference codes

59D2102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59D23002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D0FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D0FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [DEVBPLN](#)

- [SASCABL](#)

- [SASEXP](#)

59D23010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D23020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59D23029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59D23100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D23109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D2310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D2310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D23110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D23130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

59D234FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

59D24041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59D24060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59D24061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

59D24100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59D27000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59D27001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D270DD

Explanation:

System log entry only, no service action required.

59D2FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59D2FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59D2FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D2FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D2FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D2FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D2FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D2FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59D2FFFC

Explanation:

Soft device bus error.

Response:

(59D3) Reference codes

59D3102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59D33002

Explanation:

Addressed device failed to respond to selection.

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D2FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D2FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59D33010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D33020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59D33029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59D33100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D33109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D3310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D3310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D33110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D33130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59D334FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59D34041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59D34060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59D34061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

59D34100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59D37000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59D37001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D370DD

Explanation:

System log entry only, no service action required.

59D3FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59D3FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59D3FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D3FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D3FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D3FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D3FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D3FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

(59D8) Reference codes

59D8102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59D3FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D3FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D3FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

59D83002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59D83010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D83020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59D83029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59D83100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D83109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D8310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D8310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D83110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D83130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59D834FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59D84041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59D84060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59D84061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59D84100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59D87000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59D87001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D870DD**Explanation:**

System log entry only, no service action required.

59D8FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59D8FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59D8FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D8FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D8FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D8FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59D8FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59D8FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59D8FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D8FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59D8FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(59DA) Reference codes

59DA102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59DA3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59DA3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DA3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59DA3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59DA3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

59DA3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DA310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DA310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DA3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DA3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59DA34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59DA4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59DA4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59DA4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59DA4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)

- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59DA7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59DA7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DA70DD

Explanation:

System log entry only, no service action required.

59DAFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59DAFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59DAFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DAFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DAFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DAFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DAFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

59DAFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59DAFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

59DAFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

59DAFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(59DB) Reference codes

59DB102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59DB3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59DB3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DB3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59DB3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59DB3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DB3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DB310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DB310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DB3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DB3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59DB34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

59DB4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59DB4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59DB4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59DB4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59DB7000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59DB7001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DB70DD**Explanation:**

System log entry only, no service action required.

59DBFFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59DBFFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59DBFFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DBFFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DBFFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DBFFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DBFFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DBFFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59DBFFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DBFFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DBFFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

(59DD) Reference codes

59DD102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59DD3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59DD3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DD3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59DD3029

Explanation:

A device replacement has occurred.

Response**Failing Item**

- [SIP3150](#)

No action required. This reference code is logged for information only.

59DD3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DD3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DD310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DD310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DD3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DD3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59DD34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59DD4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59DD4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59DD4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59DD4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59DD7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59DD7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DD70DD

Explanation:

System log entry only, no service action required.

59DDFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59DDFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59DDFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DDFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DDFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DDFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DDFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DDFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59DDFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DDFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

59DDFFFE**Explanation:**

Temporary disk bus error.

Response:

(59DE) Reference codes

59DE102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59DE3002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59DE3010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DE3020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59DE3029**Explanation:**

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59DE3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DE3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DE310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DE310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DE3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DE3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

59DE34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59DE4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59DE4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59DE4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59DE4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59DE7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59DE7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DE70DD

Explanation:

System log entry only, no service action required.

59DEFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59DEFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59DEFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DEFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DEFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DEFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59DEFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59DEFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59DEFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DEFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59DEFFFE

(59E0) Reference codes

59E0102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59E03002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59E03010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E03020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [SASCABL](#)

59E03029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59E03100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E03109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E0310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

59E0310D

Explanation:
Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E03110

Explanation:
Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E03130

Explanation:
Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59E034FF

Explanation:
Format in progress.

Response:
No action required. This reference code is logged for information only.

59E04041

Explanation:
Incomplete multipath connection.

Response:
Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59E04060

Explanation:
Multipath redundancy level reduced.

Response:
A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59E04061

Explanation:
Multipath redundancy level increased.

Response:
A redundant disk unit connection has been restored. No service action is required.

59E04100

Explanation:
Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59E07000

Explanation:
Disk sector read error.

Response

No action required. This reference code is logged for information only.

59E07001

Explanation:
Temporary disk data error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E070DD

Explanation:

System log entry only, no service action required.

59E0FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59E0FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59E0FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E0FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E0FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E0FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E0FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E0FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59E0FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E0FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

(59E1) Reference codes

59E1102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59E13002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59E13010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E13020

- [DISKDRV](#)
- [STORIOA](#)

59E0FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59E13029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59E13100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E13109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E1310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E1310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E13110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E13130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59E134FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59E14041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59E14060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59E14061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59E14100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59E17000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59E17001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E170DD

Explanation:

System log entry only, no service action required.

59E1FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59E1FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59E1FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E1FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E1FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E1FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E1FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E1FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59E1FFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E1FFFD**Explanation:**

Soft device bus error.

Response:

(59E4) Reference codes

59E4102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59E43002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59E43010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E1FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

59E43020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59E43029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59E43100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E43109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E4310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E4310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E43110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E43130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59E434FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59E44041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59E44060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59E44061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59E44100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)

- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59E47000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59E47001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E470DD

Explanation:

System log entry only, no service action required.

59E4FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59E4FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59E4FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E4FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E4FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E4FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E4FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E4FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59E4FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)

(59E5) Reference codes

59E5102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59E53002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59E53010

- [STORIOA](#)

59E4FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E4FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E53020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59E53029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59E53100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E53109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E5310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E5310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E53110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E53130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59E534FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

59E54041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59E54060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59E54061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

59E54100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59E57000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59E57001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E570DD**Explanation:**

System log entry only, no service action required.

59E5FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59E5FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59E5FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E5FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E5FFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E5FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E5FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E5FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59E5FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

(59E6) Reference codes

59E6102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59E63002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E5FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E5FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [DEVBPLN](#)

- [SASCABL](#)

- [SASEXP](#)

59E63010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E63020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59E63029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59E63100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E63109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E6310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E6310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E63110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E63130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59E634FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

59E64041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59E64060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59E64061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

59E64100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59E67000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59E67001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E670DD

Explanation:

System log entry only, no service action required.

59E6FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59E6FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59E6FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E6FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E6FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E6FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E6FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E6FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59E6FFFC

Explanation:

Soft device bus error.

Response:

(59E8) Reference codes

59E8102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59E83002

Explanation:

Addressed device failed to respond to selection.

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E6FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E6FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59E83010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E83020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59E83029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59E83100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E83109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E8310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E8310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E83110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E83130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59E834FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59E84041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59E84060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59E84061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

59E84100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59E87000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59E87001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E870DD

Explanation:

System log entry only, no service action required.

59E8FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59E8FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59E8FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E8FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E8FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E8FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E8FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E8FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

(59E9) Reference codes

59E9102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59E8FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E8FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E8FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

59E93002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59E93010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E93020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59E93029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59E93100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E93109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E9310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E9310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E93110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E93130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59E934FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59E94041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59E94060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59E94061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59E94100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59E97000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59E97001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E970DD**Explanation:**

System log entry only, no service action required.

59E9FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59E9FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59E9FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E9FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E9FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E9FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59E9FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59E9FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59E9FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E9FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59E9FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(59EA) Reference codes

59EA102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59EA3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59EA3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59EA3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59EA3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59EA3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

59EA3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59EA310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59EA310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59EA3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59EA3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59EA34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59EA4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59EA4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59EA4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59EA4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)

- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59EA7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59EA7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59EA70DD

Explanation:

System log entry only, no service action required.

59EAFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59EAFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59EAFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59EAFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59EAFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59EAFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59EAFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

59EAFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59EAFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

59EAFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

59EAFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(59EB) Reference codes

59EB102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59EB3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59EB3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59EB3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59EB3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59EB3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59EB3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59EB310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59EB310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59EB3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59EB3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59EB34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

59EB4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59EB4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59EB4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59EB4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59EB7000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59EB7001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59EB70DD**Explanation:**

System log entry only, no service action required.

59EBFFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59EBFFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59EBFFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59EBFFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59EBFFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59EBFFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59EBFFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59EBFFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59EBFFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59EBFFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59EBFFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

(59F6) Reference codes

59F6102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59F63002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59F63010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59F63020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59F63029

Explanation:

A device replacement has occurred.

Response**Failing Item**

- [SIP3150](#)

No action required. This reference code is logged for information only.

59F63100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59F63109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59F6310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59F6310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59F63110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59F63130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59F634FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59F64041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59F64060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59F64061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59F64100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59F67000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59F67001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59F670DD

Explanation:

System log entry only, no service action required.

59F6FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59F6FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59F6FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59F6FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59F6FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59F6FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59F6FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59F6FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59F6FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59F6FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

59F6FFFE

Explanation:

Temporary disk bus error.

Response:

(59F7) Reference codes

59F7102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59F73002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59F73010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59F73020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59F73029

Explanation:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59F73100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59F73109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59F7310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59F7310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59F73110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59F73130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

59F734FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59F74041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59F74060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59F74061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59F74100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59F77000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59F77001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59F770DD

Explanation:

System log entry only, no service action required.

59F7FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59F7FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59F7FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59F7FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59F7FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59F7FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59F7FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59F7FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59F7FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59F7FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59F7FFFE

(59FC) Reference codes

59FC102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59FC3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59FC3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59FC3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [SASCABL](#)

59FC3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59FC3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59FC3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59FC310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

59FC310D

Explanation:
Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59FC3110

Explanation:
Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59FC3130

Explanation:
Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

59FC34FF

Explanation:
Format in progress.

Response:
No action required. This reference code is logged for information only.

59FC4041

Explanation:
Incomplete multipath connection.

Response:
Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59FC4060

Explanation:
Multipath redundancy level reduced.

Response:
A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59FC4061

Explanation:
Multipath redundancy level increased.

Response:
A redundant disk unit connection has been restored. No service action is required.

59FC4100

Explanation:
Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59FC7000

Explanation:
Disk sector read error.

Response

No action required. This reference code is logged for information only.

59FC7001

Explanation:
Temporary disk data error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59FC70DD

Explanation:

System log entry only, no service action required.

59FCFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59FCFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59FCFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59FCFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59FCFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59FCFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59FCFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59FCFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59FCFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59FCFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

(59FD) Reference codes

59FD102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

59FD3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

59FD3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59FD3020

- [DISKDRV](#)
- [STORIOA](#)

59FCFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

59FD3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

59FD3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59FD3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59FD310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59FD310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59FD3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59FD3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

59FD34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

59FD4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

59FD4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

59FD4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

59FD4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

59FD7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

59FD7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59FD70DD

Explanation:

System log entry only, no service action required.

59FDFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

59FDFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

59FDFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59FDFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59FDFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59FDFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

59FDFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

59FDFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

59FDFFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59FDFFFD**Explanation:**

Soft device bus error.

Response:

(5B0E) Reference codes

5B0E102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B0E3002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B0E3010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

59FDFFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

5B0E3020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B0E3029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B0E3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B0E3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B0E310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B0E310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B0E3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B0E3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B0E34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B0E4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B0E4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B0E4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B0E4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)

- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B0E7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B0E7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B0E70DD

Explanation:

System log entry only, no service action required.

5B0EFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B0EFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B0EFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B0EFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B0EFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B0EFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B0EFFFF

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B0EFFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B0EFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)

(5B0F) Reference codes

5B0F102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B0F3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B0F3010

- [STORIOA](#)

5B0EFFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B0EFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B0F3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B0F3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B0F3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B0F3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B0F310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B0F310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B0F3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B0F3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B0F34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B0F4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B0F4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B0F4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

5B0F4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B0F7000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B0F7001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B0F70DD**Explanation:**

System log entry only, no service action required.

5B0FFFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B0FFFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B0FFFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B0FFFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B0FFFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B0FFFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B0FFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B0FFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B0FFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

(5B10) Reference codes

5B10102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B103002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B0FFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B0FFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [DEVBPLN](#)

- [SASCABL](#)

- [SASEXP](#)

5B103010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B103020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B103029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B103100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B103109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B10310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B10310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B103110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B103130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B1034FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B104041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B104060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B104061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

5B104100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B107000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B107001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1070DD

Explanation:

System log entry only, no service action required.

5B10FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B10FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B10FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B10FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B10FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B10FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B10FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B10FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B10FFFC

Explanation:

Soft device bus error.

Response:

(5B11) Reference codes

5B11102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B113002

Explanation:

Addressed device failed to respond to selection.

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B10FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B10FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B113010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B113020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B113029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B113100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B113109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B11310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B11310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B113110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B113130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B1134FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B114041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B114060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B114061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

5B114100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B117000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B117001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1170DD

Explanation:

System log entry only, no service action required.

5B11FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B11FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B11FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B11FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B11FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B11FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B11FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B11FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

(5B12) Reference codes

5B12102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B11FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B11FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B11FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

5B123002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B123010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B123020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B123029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B123100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B123109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B12310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B12310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B123110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B123130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B1234FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B124041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B124060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B124061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B124100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B127000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B127001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1270DD**Explanation:**

System log entry only, no service action required.

5B12FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B12FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B12FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B12FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B12FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B12FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B12FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B12FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B12FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B12FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B12FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(5B13) Reference codes

5B13102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B133002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B133010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B133020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B133029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B133100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

5B133109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B13310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B13310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B133110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B133130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B1334FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B134041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B134060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B134061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B134100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)

- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B137000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B137001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1370DD

Explanation:

System log entry only, no service action required.

5B13FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B13FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B13FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B13FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B13FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B13FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B13FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

5B13FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B13FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

5B13FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

5B13FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(5B14) Reference codes

5B14102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B143002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B143010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B143020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B143029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B143100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B143109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B14310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B14310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B143110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B143130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B1434FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B144041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B144060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B144061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B144100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B147000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B147001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1470DD**Explanation:**

System log entry only, no service action required.

5B14FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B14FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B14FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B14FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B14FFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B14FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B14FFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B14FFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B14FFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B14FFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B14FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

(5B15) Reference codes

5B15102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B153002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B153010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B153020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B153029

Explanation:

A device replacement has occurred.

Response**Failing Item**

- [SIP3150](#)

No action required. This reference code is logged for information only.

5B153100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B153109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B15310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B15310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B153110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B153130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B1534FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B154041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B154060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B154061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B154100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B157000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B157001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1570DD

Explanation:

System log entry only, no service action required.

5B15FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B15FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B15FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B15FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B15FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B15FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B15FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B15FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B15FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B15FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

5B15FFFE

Explanation:

Temporary disk bus error.

Response:

(5B16) Reference codes

5B16102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B163002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B163010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B163020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B163029

Explanation:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B163100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B163109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B16310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B16310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B163110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B163130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

5B1634FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B164041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B164060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B164061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B164100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B167000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B167001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1670DD

Explanation:

System log entry only, no service action required.

5B16FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B16FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B16FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B16FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B16FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B16FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B16FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B16FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B16FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B16FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B16FFFE

(5B17) Reference codes

5B17102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B173002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B173010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B173020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

5B173029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B173100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B173109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B17310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

5B17310D

Explanation:
Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B173110

Explanation:
Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B173130

Explanation:
Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B1734FF

Explanation:
Format in progress.

Response:
No action required. This reference code is logged for information only.

5B174041

Explanation:
Incomplete multipath connection.

Response:
Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B174060

Explanation:
Multipath redundancy level reduced.

Response:
A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B174061

Explanation:
Multipath redundancy level increased.

Response:
A redundant disk unit connection has been restored. No service action is required.

5B174100

Explanation:
Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B177000

Explanation:
Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B177001

Explanation:
Temporary disk data error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1770DD

Explanation:

System log entry only, no service action required.

5B17FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B17FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B17FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B17FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B17FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B17FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B17FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B17FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B17FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B17FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

(5B18) Reference codes

5B18102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B183002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B183010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B183020

- [DISKDRV](#)
- [STORIOA](#)

5B17FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B183029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B183100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B183109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B18310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B18310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B183110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B183130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B1834FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B184041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B184060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B184061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B184100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B187000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B187001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1870DD

Explanation:

System log entry only, no service action required.

5B18FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B18FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B18FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B18FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B18FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B18FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B18FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B18FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B18FFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B18FFFD**Explanation:**

Soft device bus error.

Response:

(5B19) Reference codes

5B19102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B193002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B193010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B18FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

5B193020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B193029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B193100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B193109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B19310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B19310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B193110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B193130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B1934FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B194041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B194060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B194061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B194100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)

- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B197000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B197001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1970DD

Explanation:

System log entry only, no service action required.

5B19FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B19FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B19FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B19FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B19FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B19FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B19FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B19FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B19FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)

(5B1A) Reference codes

5B1A102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B1A3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B1A3010

- [STORIOA](#)

5B19FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B19FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B1A3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B1A3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B1A3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B1A3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B1A310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B1A310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B1A3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B1A3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B1A34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B1A4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B1A4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B1A4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

5B1A4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B1A7000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B1A7001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1A70DD**Explanation:**

System log entry only, no service action required.

5B1AFFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B1AFFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B1AFFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1AFFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1AFFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1AFFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1AFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B1AFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B1AFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

(5B1B) Reference codes

5B1B102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B1B3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B1AFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B1AFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [DEVBPLN](#)

- [SASCABL](#)

- [SASEXP](#)

5B1B3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B1B3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B1B3029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B1B3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B1B3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B1B310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B1B310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B1B3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B1B3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

5B1B34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B1B4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B1B4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B1B4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

5B1B4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B1B7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B1B7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1B70DD

Explanation:

System log entry only, no service action required.

5B1BFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B1BFFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B1BFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1BFFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1BFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1BFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B1BFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B1BFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B1BFFFC

Explanation:

Soft device bus error.

Response:

(5B20) Reference codes

5B20102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B203002

Explanation:

Addressed device failed to respond to selection.

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B1BFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B1BFFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B203010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B203020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B203029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B203100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B203109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B20310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B20310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B203110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B203130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B2034FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B204041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B204060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B204061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

5B204100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B207000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B207001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2070DD

Explanation:

System log entry only, no service action required.

5B20FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B20FFF4

Explanation:

Mainstream SSD status change or device problem.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may have reached the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive failure.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)
- [STORIOA](#)

5B20FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B20FFF6

Explanation:

Mainstream SSD status change or device problem.

Response:

If this event appears in a serviceable event view, work with the failing item list found there to determine the part number and location of the mainstream SSD. If this event does not appear in a serviceable event view, no service action is required.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may be nearing the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive problem.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)

5B20FFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B20FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B20FFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

- [SASEXP](#)

5B20FFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B20FFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B20FFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B20FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(5B21) Reference codes

5B21102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B213002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B213010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B213020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B213029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B213100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B213109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B21310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B21310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B213110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B213130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B2134FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B214041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B214060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B214061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B214100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B217000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B217001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2170DD**Explanation:**

System log entry only, no service action required.

5B21FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B21FFF4**Explanation:**

Mainstream SSD status change or device problem.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may have reached the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive failure.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)
- [STORIOA](#)

5B21FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B21FFF6

Explanation:

Mainstream SSD status change or device problem.

Response:

If this event appears in a serviceable event view, work with the failing item list found there to determine the part number and location of the mainstream SSD. If this event does not appear in a serviceable event view, no service action is required.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may be nearing the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive problem.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)

5B21FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B21FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B21FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B21FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B21FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B21FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B21FFFE

(5B29) Reference codes

5B29102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B293002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B293010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B293020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

- [STORIOA](#)

- [SASCABL](#)

5B293029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B293100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B293109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B29310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B29310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B293110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B293130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B2934FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B294041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B294060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B294061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B294100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B297000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B297001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2970DD

Explanation:

System log entry only, no service action required.

5B29FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B29FFF4

Explanation:

Mainstream SSD status change or device problem.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may have reached the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive failure.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)
- [STORIOA](#)

5B29FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B29FFF6

Explanation:

Mainstream SSD status change or device problem.

Response:

If this event appears in a serviceable event view, work with the failing item list found there to determine the part number and location of the mainstream SSD. If this event does not appear in a serviceable event view, no service action is required.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may be nearing the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive problem.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)

5B29FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B29FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B29FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B29FFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B29FFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B29FFFD**Explanation:**

Soft device bus error.

(5B2B) Reference codes

5B2B102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B2B3002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B2B3010**Explanation:**

Disk device returned wrong response to IOA.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B29FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2B3020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B2B3029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B2B3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2B3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2B310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2B310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2B3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2B3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B2B34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B2B4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B2B4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B2B4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B2B4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B2B7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B2B7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2B70DD

Explanation:

System log entry only, no service action required.

5B2BFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B2BFFF4

Explanation:

Mainstream SSD status change or device problem.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may have reached the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive failure.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2BFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2BFFF6

Explanation:

Mainstream SSD status change or device problem.

Response:

If this event appears in a serviceable event view, work with the failing item list found there to determine the part number and location of the mainstream SSD. If this event does not appear in a serviceable event view, no service action is required.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may be nearing the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive problem.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)

5B2BFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2BFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2BFFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2BFFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B2BFFFC**Explanation:**

Soft device bus error.

Response:

(5B2C) Reference codes

5B2C102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B2C3002**Explanation:**

Addressed device failed to respond to selection.

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2BFFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2BFFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B2C3010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2C3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B2C3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B2C3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2C3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2C310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2C310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2C3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2C3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B2C34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B2C4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B2C4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B2C4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

5B2C4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B2C7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B2C7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2C70DD

Explanation:

System log entry only, no service action required.

5B2CFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B2CFFF4

Explanation:

Mainstream SSD status change or device problem.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may have reached the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive failure.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2CFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2CFFF6

Explanation:

Mainstream SSD status change or device problem.

Response:

If this event appears in a serviceable event view, work with the failing item list found there to determine the part number and location of the mainstream SSD. If this event does not appear in a serviceable event view, no service action is required.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may be nearing the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive problem.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)

5B2CFFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2CFFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2CFFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

- [SASEXP](#)

5B2CFFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B2CFFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2CFFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2CFFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(5B2D) Reference codes

5B2D102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B2D3002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B2D3010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2D3020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B2D3029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B2D3100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2D3109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2D310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2D310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2D3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2D3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B2D34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B2D4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B2D4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B2D4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B2D4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B2D7000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B2D7001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2D70DD**Explanation:**

System log entry only, no service action required.

5B2DFFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B2DFFF4**Explanation:**

Mainstream SSD status change or device problem.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may have reached the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive failure.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2DFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2DFFF6

Explanation:

Mainstream SSD status change or device problem.

Response:

If this event appears in a serviceable event view, work with the failing item list found there to determine the part number and location of the mainstream SSD. If this event does not appear in a serviceable event view, no service action is required.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may be nearing the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive problem.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)

5B2DFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2DFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2DFFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2DFFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B2DFFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2DFFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2DFFFE

(5B2E) Reference codes

5B2E102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B2E3002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B2E3010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2E3020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [STORIOA](#)

- [SASCABL](#)

5B2E3029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B2E3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2E3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2E310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2E310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2E3110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2E3130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B2E34FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B2E4041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B2E4060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B2E4061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B2E4100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B2E7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B2E7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2E70DD

Explanation:

System log entry only, no service action required.

5B2EFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B2EFFF4

Explanation:

Mainstream SSD status change or device problem.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may have reached the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive failure.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2EFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2EFFF6

Explanation:

Mainstream SSD status change or device problem.

Response:

If this event appears in a serviceable event view, work with the failing item list found there to determine the part number and location of the mainstream SSD. If this event does not appear in a serviceable event view, no service action is required.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may be nearing the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive problem.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)

5B2EFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2EFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2EFFFF

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2EFFFF**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B2EFFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2EFFFD**Explanation:**

Soft device bus error.

(5B2F) Reference codes

5B2F102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B2F3002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B2F3010**Explanation:**

Disk device returned wrong response to IOA.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2EFFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2F3020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B2F3029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B2F3100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2F3109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2F310C**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2F310D**Explanation:**

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2F3110**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2F3130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B2F34FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B2F4041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B2F4060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B2F4061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B2F4100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B2F7000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B2F7001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2F70DD

Explanation:

System log entry only, no service action required.

5B2FFFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B2FFFF4

Explanation:

Mainstream SSD status change or device problem.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may have reached the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive failure.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2FFFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2FFFF6

Explanation:

Mainstream SSD status change or device problem.

Response:

If this event appears in a serviceable event view, work with the failing item list found there to determine the part number and location of the mainstream SSD. If this event does not appear in a serviceable event view, no service action is required.

Problem determination:

The mainstream SSD may be reporting a status change in the number of write operations it supports. The device may be nearing the limit for the number of write operations the device supports. Perform the steps in symbolic FRU [RI_SSD](#) to determine if this SRC is a status change or a drive problem.

Failing Item

- [RI_SSD](#)
- [DISKDRV](#)

5B2FFFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2FFFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B2FFFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B2FFFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B2FFFFC**Explanation:**

Soft device bus error.

Response:

(5B30) Reference codes

5B30102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B303002**Explanation:**

Addressed device failed to respond to selection.

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2FFFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B2FFFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B303010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B303020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B303029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B303100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B303109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B30310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B30310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B303110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B303130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B3034FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B304041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B304060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B304061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored.
No service action is required.

5B304100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B307000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B307001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B3070DD

Explanation:

System log entry only, no service action required.

5B30FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B30FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B30FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B30FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B30FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B30FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B30FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B30FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

(5B31) Reference codes

5B31102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B30FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B30FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B30FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

5B313002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B313010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B313020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B313029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B313100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B313109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B31310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B31310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B313110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B313130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B3134FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B314041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B314060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B314061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B314100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B317000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B317001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B3170DD**Explanation:**

System log entry only, no service action required.

5B31FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B31FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B31FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B31FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B31FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B31FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B31FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B31FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B31FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B31FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B31FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(5B32) Reference codes

5B32102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B323002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B323010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B323020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B323029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B323100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

5B323109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B32310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B32310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B323110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B323130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B3234FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B324041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B324060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B324061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B324100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)

- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B327000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B327001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B3270DD

Explanation:

System log entry only, no service action required.

5B32FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B32FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B32FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B32FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B32FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B32FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B32FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

5B32FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B32FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

5B32FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)

- [STORIOA](#)

5B32FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(5B33) Reference codes

5B33102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B333002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B333010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B333020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B333029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B333100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B333109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B33310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B33310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B333110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B333130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

5B3334FF**Explanation:**

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B334041**Explanation:**

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B334060**Explanation:**

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B334061**Explanation:**

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B334100**Explanation:**

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B337000**Explanation:**

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B337001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B3370DD**Explanation:**

System log entry only, no service action required.

5B33FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B33FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B33FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B33FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B33FFF7**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B33FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B33FFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B33FFFB**Explanation:**

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B33FFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B33FFFD**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B33FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

(5B34) Reference codes

5B34102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B343002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B343010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B343020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B343029

Explanation:

A device replacement has occurred.

Response**Failing Item**

- [SIP3150](#)

No action required. This reference code is logged for information only.

5B343100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B343109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B34310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B34310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B343110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B343130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B3434FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B344041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B344060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B344061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B344100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B347000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B347001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B3470DD

Explanation:

System log entry only, no service action required.

5B34FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B34FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B34FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B34FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B34FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B34FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B34FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B34FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B34FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B34FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

5B34FFFE

Explanation:

Temporary disk bus error.

Response:

(5B41) Reference codes

5B41102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B413002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B413010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B413020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B413029

Explanation:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B413100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B413109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B41310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B41310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B413110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B413130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

5B4134FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B414041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B414060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B414061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B414100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B417000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B417001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B4170DD

Explanation:

System log entry only, no service action required.

5B41FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B41FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B41FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B41FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B41FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B41FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B41FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B41FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B41FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B41FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B41FFFE

(5B43) Reference codes

5B43102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B433002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B433010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B433020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

- [SASCABL](#)

5B433029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B433100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B433109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B43310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

5B43310D

Explanation:
Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B433110

Explanation:
Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B433130

Explanation:
Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

5B4334FF

Explanation:
Format in progress.

Response:
No action required. This reference code is logged for information only.

5B434041

Explanation:
Incomplete multipath connection.

Response:
Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B434060

Explanation:
Multipath redundancy level reduced.

Response:
A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B434061

Explanation:
Multipath redundancy level increased.

Response:
A redundant disk unit connection has been restored. No service action is required.

5B434100

Explanation:
Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B437000

Explanation:
Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B437001

Explanation:
Temporary disk data error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B4370DD

Explanation:

System log entry only, no service action required.

5B43FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B43FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B43FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B43FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B43FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B43FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B43FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B43FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B43FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B43FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

(5B45) Reference codes

5B45102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B453002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B453010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B453020

- [DISKDRV](#)
- [STORIOA](#)

5B43FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B453029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B453100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B453109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B45310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B45310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B453110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B453130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B4534FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B454041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B454060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B454061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B454100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B457000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B457001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B4570DD

Explanation:

System log entry only, no service action required.

5B45FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B45FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B45FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B45FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B45FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B45FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B45FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B45FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B45FFFC**Explanation:**

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B45FFFD**Explanation:**

Soft device bus error.

Response:

(5B47) Reference codes

5B47102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

5B473002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

5B473010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B45FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [STORIOA](#)

- [SASCABL](#)

- [SASEXP](#)

5B473020**Explanation:**

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

5B473029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

5B473100**Explanation:**

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B473109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B47310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B47310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B473110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B473130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

5B4734FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

5B474041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

5B474060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

5B474061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

5B474100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)

- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

5B477000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

5B477001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B4770DD

Explanation:

System log entry only, no service action required.

5B47FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

5B47FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

5B47FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B47FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B47FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B47FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

5B47FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

5B47FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

5B47FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)

- [STORIOA](#)

5B47FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

5B47FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

(6320) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6320C000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

6320C002

Explanation:

SCSI Selection or Reselection timeout occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6320C010

Explanation:

Undefined sense key returned by device.

Failing Item

- [FI00870](#)

6320C020

Explanation:

Configuration error.

Failing Item

- [FI00870](#)

6320C022

Explanation:

Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

- If this device is a client virtual optical device:
 1. If no function reduction exists, no action is required.
 - Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition. Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device:
 1. If no function reduction exists, no action is required.

2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)

3. Ensure that the latest optical LIC PTFs have been applied.

6320C023

Explanation:

Unable to determine all of the device capabilities or the device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6320C100

Explanation:

SCSI Bus error occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6320C110

Explanation:

SCSI command timeout occurred.

Failing Item

- [FI00870](#)

- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6320C210

Explanation:

Unexpected device condition.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6320C300

Explanation:

Media or device error occurred.

Response

Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6320C301

Explanation:

Media or device error occurred.

Response

Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6320C302

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6320C303

Explanation:

Media had an unknown format.

Response:

No action required. This reference code is logged for information only.

6320C332

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6320C333

Explanation:

Incompatible media.

Response

Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.
3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6320C400

Explanation:

Physical link error detected by device.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

6320C402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [FI00130](#)

6320CFF2

Explanation

Device not ready - Start Unit issued.

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6320CFF4

Explanation:

Internal device error occurred.

Failing Item

- [FI00870](#)
- [MEDIA](#)

6320CFF6

Explanation:

Device successfully recovered from a temporary error.

Response

No action is required. This reference code is logged for information only.

6320CFF7

Explanation:

Recovered device error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6320CFFE

Explanation:

Recovered SCSI bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6320FF09

Explanation:

Licensed Internal Code for optical device was not upgraded.

Response:

This reference code is logged for information only.

6320FF3D

Explanation:

Recovered IOA error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6320FF6D

Explanation:

Recovered SPD bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6321) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6321C000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

6321C002

Explanation:

SCSI Selection or Reselection timeout occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6321C010

Explanation:

Undefined sense key returned by device.

Failing Item

- [FI00870](#)

6321C020

Explanation:

Configuration error.

Failing Item

- [FI00870](#)

6321C022

Explanation:

Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

- If this device is a client virtual optical device:
 1. If no function reduction exists, no action is required.
 - Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition. Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device:
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6321C023**Explanation:**

Unable to determine all of the device capabilities or the device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6321C100**Explanation:**

SCSI Bus error occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6321C110**Explanation:**

SCSI command timeout occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)

- [FI01140](#)

6321C210**Explanation:**

Unexpected device condition.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6321C300**Explanation:**

Media or device error occurred.

Response

Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6321C301**Explanation:**

Media or device error occurred.

Response

Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6321C302**Explanation:**

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6321C303**Explanation:**

Media had an unknown format.

Response:

No action required. This reference code is logged for information only.

6321C332**Explanation:**

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6321C333**Explanation:**

Incompatible media.

Response

Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.
3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6321C400**Explanation:**

Physical link error detected by device.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

- [FI01141](#)

6321C402**Explanation:**

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [FI00130](#)

6321CFF2**Explanation**

Device not ready - Start Unit issued.

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6321CFF4**Explanation:**

Internal device error occurred.

Failing Item

- [FI00870](#)
- [MEDIA](#)

6321CFF6**Explanation:**

Device successfully recovered from a temporary error.

Response

No action is required. This reference code is logged for information only.

6321CFF7**Explanation:**

Recovered device error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6321CFFE

Explanation:

Recovered SCSI bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6321FF09**Explanation:**

Licensed Internal Code for optical device was not upgraded.

Response:

This reference code is logged for information only.

6321FF3D**Explanation:**

Recovered IOA error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6321FF6D**Explanation:**

Recovered SPD bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(632A) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

632AC000**Explanation:**

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

632AC002**Explanation:**

Device selection or reselection timeout occurred.

Response

Perform the following:

- Before replacing parts, ensure that the device is connected to a USB port that supports this device.

Failing Item

- [USB_CBL](#)
- [USB_DEV](#)
- [USB_IOA](#)
- [MEDIA](#)

632AC020**Explanation:**

Configuration error.

Response

Perform the following:

- Before replacing parts, ensure that the device is connected to a USB port that supports this device.

Failing Item

- [USB_DEV](#)

632AC022

Explanation:

Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

1. If no function reduction exists, no action is required.
2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
3. Ensure that the latest optical LIC PTFs have been applied.

632AC023

Explanation:

Unable to determine all device capabilities, or device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)

4. Ensure that the latest optical LIC PTFs have been applied.

632AC100

Explanation:

Bus error occurred.

Response

Perform the following:

- Before replacing parts, ensure that the device is connected to a USB port that supports this device.

Failing Item

- [USB_CBL](#)
- [USB_DEV](#)
- [USB_IOA](#)
- [MEDIA](#)

632AC110

Explanation:

Device command timeout occurred.

Response

Perform the following:

- Before replacing parts, ensure that the device is connected to a USB port that supports this device.

Failing Item

- [USB_CBL](#)
- [USB_DEV](#)
- [USB_IOA](#)
- [MEDIA](#)

632AC210

Explanation:

Unexpected device condition.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632AC300

Explanation:

Media or device error occurred.

Response

Perform the following:

- Before replacing parts, ensure that the device is connected to a USB port that supports this device.

Failing Item

- [MEDIA](#)
- [USB_DEV](#)

632AC301

Explanation:

Media or device error occurred.

Response

Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

632AC302

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

632AC303

Explanation:

Media had an unknown format.

Response:

No action required. This reference code is logged for information only.

632AC332

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

632AC333

Explanation:

Incompatible media.

Response

Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.
3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.
4. If cleaning or replacing the disk does not correct the problem, exchange the failing items.
5. Before replacing parts, ensure that the device is connected to a USB port that supports this device.

Failing Item

- [MEDIA](#)
- [USB_DEV](#)

632AC400

Explanation:

Physical link error detected by device.

Response

Perform the following:

- Before replacing parts, ensure that the device is connected to a USB port that supports this device.

Failing Item

- [USB_CBL](#)
- [USB_DEV](#)
- [USB_IOA](#)

632AC401

Explanation:

Device LIC reporting physical link error between USB IOA and USB optical device.

Problem determination

Perform the following:

1. Look for USB adapter errors logged at about the same time as this event. The location code of the USB IOA may be given in the serviceable event view that you are working with. If there is a serviceable event for the USB IOA then work that problem and close this problem. Otherwise continue with the next step.
2. Before replacing parts, ensure that the device is connected to a USB port that supports this device.

Failing Item

- [SVCDOS](#)
- [USB_CBL](#)
- [USB_DEV](#)
- [USB_IOA](#)
- [AJDGP01](#)

632AC402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [FI00130](#)

632ACFF2

Explanation

Device not ready - Start Unit issued.

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632ACFF4

Explanation:

Internal device error occurred.

Response

Perform the following:

- Before replacing parts, ensure that the device is connected to a USB port that supports this device.

Failing Item

- [USB_DEV](#)
- [MEDIA](#)

(632B) Reference codes

632BCFC1

Explanation:

Virtual media list access problem.

Response

632ACFF6

Explanation:

Device successfully recovered from a temporary error.

Response

No action is required. This reference code is logged for information only.

632ACFF7

Explanation:

Recovered device error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632ACFFE

Explanation:

Recovered bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632AFF3D

Explanation:

Recovered IOA error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

A virtual optical device cannot access the file containing the list of volumes.

1. On this partition and the Network File System server, ensure the proper file is specified and proper authority is granted. If that does not resolve the problem continue with the next step.

2. Collect vlogs for major code 3A00 and send them to your next level of support.

Failing Item

- [SVCDPCS](#)

632BCFC2

Explanation:

Error reading virtual volume list.

Response

A non-recoverable error was detected while reading the list of volumes.

Check for errors on the Network File System server and resolve them. Then retry the operation. If the failure reoccurs, contact your hardware service provider.

Failing Item

- [SVCDPCS](#)

632BCFC3

Explanation:

Virtual media volume list is not valid.

Response

The data in the list of volumes is not valid.

On the Network File System server, ensure that the proper file is specified, that all files are entered correctly, that there are no blank lines, and that the character set used is valid.

Failing Item

- [SVCDPCS](#)

632BCFC4

Explanation:

Virtual optical volume access problem.

Response

A virtual optical device cannot access the file containing the specified optical volume.

On the Network File System server, ensure the proper file is specified in the list of volumes, and that the proper authority is granted.

Failing Item

- [SVCDPCS](#)

632BCFC5

Explanation:

Error reading virtual optical volume.

Response

A non-recoverable error was detected while reading a virtual optical volume.

Check for errors on the Network File System server and resolve them. Then retry the operation. If the failure reoccurs, contact your hardware service provider.

Failing Item

- [SVCDPCS](#)

632BCFC6

Explanation:

Virtual optical volume is not valid.

Response

The file specified does not contain data that can be processed as a virtual optical volume.

On the Network File System server, ensure all the files specified in the list of optical volumes are correct.

Failing Item

- [SVCDPCS](#)

632BCFC7

Explanation:

Virtual optical device detected error.

Response

A virtual optical device detected an error reported by the Network File System server that cannot be recovered.

Check for errors on the Network File System server and resolve them. Then retry the operation. If the failure reoccurs, contact your hardware service provider.

Failing Item

- [SVCDPCS](#)

632BCFC8**Explanation:**

Virtual optical device error.

Response

A virtual optical device encountered a non-recoverable error.

(632C) Reference codes

632CC000**Explanation:**

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

632CC002**Explanation:**

SCSI Selection or Reselection timeout occurred.

Response:

Refer to the hosting partition for problem analysis.

632CC010**Explanation:**

Undefined sense key returned by device.

Response:

Refer to the hosting partition for problem analysis.

632CC020**Explanation:**

Configuration error.

Response:

Refer to the hosting partition for problem analysis.

632CC022**Explanation:**

Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

- If this device is a client virtual optical device:
 1. If no function reduction exists, no action is required.

Contact your next level of support for assistance.

Failing Item

- [NEXTLVL](#)

- Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
- 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition. Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
- 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device:
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

632CC023**Explanation:**

Unable to determine all device capabilities or device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)

4. Ensure that the latest optical LIC PTFs have been applied.

632CC100**Explanation:**

SCSI Bus error occurred.

Response:

Refer to the hosting partition for problem analysis.

632CC110**Explanation:**

SCSI command timeout occurred.

Response:

Refer to the hosting partition for problem analysis.

632CC210**Explanation:**

Unexpected device condition.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632CC300**Explanation:**

Media or device error occurred.

Response:

Refer to the hosting partition for problem analysis.

632CC301**Explanation:**

Media or device error occurred.

Response:

Refer to the hosting partition for problem analysis.

632CC302**Explanation:**

Media or device error occurred.

Response:

Refer to the hosting partition for problem analysis.

632CC303**Explanation:**

Media had an unknown format.

Response:

No action required. This reference code is logged for information only.

632CC333**Explanation:**

Incompatible media.

Response

Perform the following:

1. Verify that the disk has a format that is given support.
2. If the format is given support, clean the disk and attempt the failing operation again.
3. If the operation fails again with the same reference code, ask your media source for a replacement disk.

632CC400**Explanation:**

Physical link error detected by device.

Response:

Refer to the hosting partition for problem analysis.

632CC402**Explanation:**

Licensed Internal Code program error occurred.

Response

Ask your next level of support for assistance.

Failing Item

- [PTFSRCH](#)

632CCFF2**Explanation:**

Device not ready - Start Unit issued.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632CCFF4**Explanation:**

Internal device error occurred.

Response:

Refer to the hosting partition for problem analysis.

632CCFF6**Explanation:**

The device successfully recovered from a temporary error.

Response

No action is required. This reference code is logged for information only.

632CCFF7

Explanation:

Recovered device error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632CCFFE

Explanation:

Recovered SCSI bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632CFF3D

Explanation:

Recovered IOA error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632CFF6D

Explanation:

Recovered SPD bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6330) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6330C000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

6330C002

Explanation:

SCSI Selection or Reselection timeout occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6330C010**Explanation:**

Undefined sense key returned by device.

Failing Item

- [FI00870](#)

6330C020**Explanation:**

Configuration error.

Failing Item

- [FI00870](#)

6330C022**Explanation:**

Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

- If this device is a client virtual optical device:
 1. If no function reduction exists, no action is required.
 - Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition. Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device:
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6330C023**Explanation:**

Unable to determine all of the device capabilities or the device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6330C100**Explanation:**

SCSI Bus error occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6330C110**Explanation:**

SCSI command timeout occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6330C210

Explanation:

Unexpected device condition.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6330C300**Explanation:**

Media or device error occurred.

Response

Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6330C301**Explanation:**

Media or device error occurred.

Response

Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6330C302**Explanation:**

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6330C303**Explanation:**

Media had an unknown format.

Response:

No action required. This reference code is logged for information only.

6330C332**Explanation:**

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6330C333**Explanation:**

Incompatible media.

Response

Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.
3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6330C400**Explanation:**

Physical link error detected by device.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

6330C402**Explanation:**

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [FI00130](#)

6330CFF2

Explanation

Device not ready - Start Unit issued.

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6330CFF4

Explanation:

Internal device error occurred.

Failing Item

- [FI00870](#)
- [MEDIA](#)

6330CFF6

Explanation:

Device successfully recovered from a temporary error.

Response

No action is required. This reference code is logged for information only.

6330CFF7

Explanation:

Recovered device error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6330CFFE

Explanation:

Recovered SCSI bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6330FF09

Explanation:

Licensed Internal Code for optical device was not upgraded.

Response:

This reference code is logged for information only.

6330FF3D

Explanation:

Recovered IOA error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6330FF6D

Explanation:

Recovered SPD bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6331) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.

2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6331C000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

6331C002

Explanation:

SCSI Selection or Reselection timeout occurred.

Response

Perform the following:

1. Determine the device model using one of the methods below.
 - If you are viewing this SRC from the Service Action Log (SAL) then search for the symbolic FRU callout "OPTD005". If "OPTD005" is listed then the device is a model 005 optical device. Continue with the next step in this procedure.
 - If you are viewing this SRC from the Product Activity Log (PAL) then the model will be listed near the top of the screen when view the details for the PAL entry. Record the model and Continue with the next step in this procedure.
 - Record the resource name logged for the SRC. Go to Hardware Service Manager in SST/DST and select "Locate resource by resource name". Enter the resource name you recorded. Select "Display detail" for that resource and record the model.
2. Is the device a model 005?
 - Yes - the device is a USB attached optical device being reported as a 6331 model 005 optical device. Before replacing parts ensure that the device has power from other than the USB cable. Use the following failing item list:
 - [USB_CBL](#)
 - [USBCNVT](#)
 - [OPTD005](#)
 - [USB_IOA](#)

– [MEDIA](#)

- No - the device is a 6331 optical device. Use the following failing item list:

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6331C010

Explanation:

Undefined sense key returned by device.

Response

Perform the following:

1. Determine the device model using one of the methods below.
 - If you are viewing this SRC from the Service Action Log (SAL) then search for the symbolic FRU callout "OPTD005". If "OPTD005" is listed then the device is a model 005 optical device. Continue with the next step in this procedure.
 - If you are viewing this SRC from the Product Activity Log (PAL) then the model will be listed near the top of the screen when view the details for the PAL entry. Record the model and Continue with the next step in this procedure.
 - Record the resource name logged for the SRC. Go to Hardware Service Manager in SST/DST and select "Locate resource by resource name". Enter the resource name you recorded. Select "Display detail" for that resource and record the model.
2. Is the device a model 005?
 - Yes - the device is a USB attached optical device being reported as a 6331 model 005 optical device. Before replacing parts ensure that the device has power from other than the USB cable. Use the following failing item list:

- [OPTD005](#)
- No - the device is a 6331 optical device. Use the following failing item list:
- [FI00870](#)

6331C020

Explanation:

Configuration error.

Response

Perform the following:

1. Determine the device model using one of the methods below.
 - If you are viewing this SRC from the Service Action Log (SAL) then search for the symbolic FRU callout "OPTD005". If "OPTD005" is listed then the device is a model 005 optical device. Continue with the next step in this procedure.
 - If you are viewing this SRC from the Product Activity Log (PAL) then the model will be listed near the top of the screen when view the details for the PAL entry. Record the model and Continue with the next step in this procedure.
 - Record the resource name logged for the SRC. Go to Hardware Service Manager in SST/DST and select "Locate resource by resource name". Enter the resource name you recorded. Select "Display detail" for that resource and record the model.
2. Is the device a model 005?
 - Yes - the device is a USB attached optical device being reported as a 6331 model 005 optical device. Before replacing parts ensure that the device has power from other than the USB cable. Use the following failing item list:
 - [OPTD005](#)
 - No - the device is a 6331 optical device. Use the following failing item list:
 - [FI00870](#)

6331C022

Explanation:

Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

- If this device is a client virtual optical device:

1. If no function reduction exists, no action is required.
 - Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition. Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device:
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6331C023

Explanation:

Unable to determine all device capabilities or device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6331C100

Explanation:

SCSI Bus error occurred.

Response

Perform the following:

1. Determine the device model using one of the methods below.
 - If you are viewing this SRC from the Service Action Log (SAL) then search for the symbolic FRU callout "OPTD005". If "OPTD005" is listed then the device is a model 005 optical device. Continue with the next step in this procedure.
 - If you are viewing this SRC from the Product Activity Log (PAL) then the model will be listed near the top of the screen when view the details for the PAL entry. Record the model and Continue with the next step in this procedure.
 - Record the resource name logged for the SRC. Go to Hardware Service Manager in SST/DST and select "Locate resource by resource name". Enter the resource name you recorded. Select "Display detail" for that resource and record the model.

2. Is the device a model 005?

- Yes - the device is a USB attached optical device being reported as a 6331 model 005 optical device. Before replacing parts ensure that the device has power from other than the USB cable. Use the following failing item list:
 - [USB_CBL](#)
 - [USBCNVT](#)
 - [OPTD005](#)
 - [USB_IOA](#)
 - [MEDIA](#)
- No - the device is a 6331 optical device. Use the following failing item list:
 - [FI00870](#)
 - [CNVTCRD](#)
 - [FI01106](#)
 - [STORIOA](#)
 - [MEDIA](#)
 - [FI01141](#)
 - [FI01140](#)

6331C110

Explanation:

SCSI command timeout occurred.

Response

Perform the following:

1. Determine the device model using one of the methods below.
 - If you are viewing this SRC from the Service Action Log (SAL) then search for the symbolic FRU callout "OPTD005". If "OPTD005" is listed

then the device is a model 005 optical device. Continue with the next step in this procedure.

- If you are viewing this SRC from the Product Activity Log (PAL) then the model will be listed near the top of the screen when view the details for the PAL entry. Record the model and Continue with the next step in this procedure.
- Record the resource name logged for the SRC. Go to Hardware Service Manager in SST/DST and select "Locate resource by resource name". Enter the resource name you recorded. Select "Display detail" for that resource and record the model.

2. Is the device a model 005?

- Yes - the device is a USB attached optical device being reported as a 6331 model 005 optical device. Before replacing parts ensure that the device has power from other than the USB cable. Use the following failing item list:
 - [USB_CBL](#)
 - [USBCNVT](#)
 - [OPTD005](#)
 - [USB_IOA](#)
 - [MEDIA](#)
- No - the device is a 6331 optical device. Use the following failing item list:
 - [FI00870](#)
 - [CNVTCRD](#)
 - [FI01106](#)
 - [STORIOA](#)
 - [MEDIA](#)
 - [FI01141](#)
 - [FI01140](#)

6331C210

Explanation:

Unexpected device condition.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6331C300

Explanation:

Media or device error occurred.

Response

Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If the problem is corrected this ends the procedure. Otherwise continue with the next step in this procedure.
4. If cleaning the disk does not correct the problem, exchange the failing items. Determine the failing items with the following steps.
5. Determine the device model using one of the methods below.
 - If you are viewing this SRC from the Service Action Log (SAL) then search for the symbolic FRU callout "OPTD005". If "OPTD005" is listed then the device is a model 005 optical device. Continue with the next step in this procedure.
 - If you are viewing this SRC from the Product Activity Log (PAL) then the model will be listed near the top of the screen when view the details for the PAL entry. Record the model and Continue with the next step in this procedure.
 - Record the resource name logged for the SRC. Go to Hardware Service Manager in SST/DST and select "Locate resource by resource name". Enter the resource name you recorded. Select "Display detail" for that resource and record the model.
6. Is the device a model 005?
 - Yes - the device is a USB attached optical device being reported as a 6331 model 005 optical device. Before replacing the device ensure that the device has power from other than the USB cable. Use the following failing item list:
 - [MEDIA](#)
 - [OPTD005](#)
 - No - the device is a 6331 optical device. Use the following failing item list:
 - [MEDIA](#)
 - [FI00870](#)

6331C301

Explanation:

Media or device error occurred.

Response

Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6331C302

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6331C303

Explanation:

Media had an unknown format.

Response:

No action required. This reference code is logged for information only.

6331C332

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6331C333

Explanation:

Incompatible media.

Response

Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.
3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.
4. If cleaning or replacing the disk does not correct the problem, exchange the failing items. Determine the failing items with the following steps.
5. Determine the device model using one of the methods below.
 - If you are viewing this SRC from the Service Action Log (SAL) then search for the symbolic FRU callout "OPTD005". If "OPTD005" is listed

then the device is a model 005 optical device. Continue with the next step in this procedure.

- If you are viewing this SRC from the Product Activity Log (PAL) then the model will be listed near the top of the screen when view the details for the PAL entry. Record the model and Continue with the next step in this procedure.
- Record the resource name logged for the SRC. Go to Hardware Service Manager in SST/DST and select "Locate resource by resource name". Enter the resource name you recorded. Select "Display detail" for that resource and record the model.

6. Is the device a model 005?

- Yes - the device is a USB attached optical device being reported as a 6331 model 005 optical device. Before replacing parts ensure that the device has power from other than the USB cable. Use the following failing item list:
 - [MEDIA](#)
 - [OPTD005](#)
- No - the device is a 6331 optical device. Use the following failing item list:
 - [MEDIA](#)
 - [FI00870](#)

6331C400

Explanation:

Physical link error detected by device.

Response

Perform the following:

1. Determine the device model using one of the methods below.
 - If you are viewing this SRC from the Service Action Log (SAL) then search for the symbolic FRU callout "OPTD005". If "OPTD005" is listed then the device is a model 005 optical device. Continue with the next step in this procedure.
 - If you are viewing this SRC from the Product Activity Log (PAL) then the model will be listed near the top of the screen when view the details for the PAL entry. Record the model and Continue with the next step in this procedure.
 - Record the resource name logged for the SRC. Go to Hardware Service Manager in SST/DST and select "Locate resource by resource name". Enter the resource name you recorded. Select "Display detail" for that resource and record the model.
2. Is the device a model 005?
 - Yes - the device is a USB attached optical device being reported as a 6331 model 005 optical

device. Before replacing parts ensure that the device has power from other than the USB cable. Use the following failing item list:

- [USB_CBL](#)
 - [USBCNVT](#)
 - [OPTD005](#)
 - [USB_IOA](#)
- No - the device is a 6331 optical device. Use the following failing item list:
 - [FI00870](#)
 - [CNVTCRD](#)
 - [FI01106](#)
 - [STORIOA](#)
 - [FI01140](#)
 - [FI01141](#)

6331C401

Explanation:

Device LIC reporting physical link error between USB IOA and USB attached SATA optical device.

Problem determination

Perform the following:

1. Look for USB adapter errors logged at about the same time as this event. The location code of the USB IOA may be given in the serviceable event view that you are working with. If there is a serviceable event for the USB IOA then work that problem and close this problem. Otherwise continue with the next step.
2. The device is a USB attached optical device being reported as a 6331 model 005 optical device. Before replacing parts ensure that the device has power from other than the USB cable. Power is supplied from the enclosure where the device is located. If the enclosure is a 9119-MxE system control unit then the device power and device service indicators are managed from the ASMI interface. If you have verified that the device has power then work the failing item list.

Failing Item

- [SVCD0CS](#)
- [USB_CBL](#)
- [USBCNVT](#)
- [OPTD005](#)
- [USB_IOA](#)
- [AJDGP01](#)

6331C402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [FI00130](#)

6331CFF2**Explanation**

Device not ready - Start Unit issued.

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6331CFF4**Explanation:**

Internal device error occurred.

Response

1. Determine the failing items with the following steps.
2. Determine the device model using one of the methods below.
 - If you are viewing this SRC from the Service Action Log (SAL) then search for the symbolic FRU callout "OPTD005". If "OPTD005" is listed then the device is a model 005 optical device. Continue with the next step in this procedure.
 - If you are viewing this SRC from the Product Activity Log (PAL) then the model will be listed near the top of the screen when view the details for the PAL entry. Record the model and Continue with the next step in this procedure.
 - Record the resource name logged for the SRC. Go to Hardware Service Manager in SST/DST and select "Locate resource by resource name". Enter the resource name you recorded. Select "Display detail" for that resource and record the model.
3. Is the device a model 005?
 - Yes - the device is a USB attached optical device being reported as a 6331 model 005 optical device. Before replacing parts ensure that the device has power from other than the USB cable. Use the following failing item list:
 - [OPTD005](#)

- [MEDIA](#)

- No - the device is a 6331 optical device. Use the following failing item list:

- [FI00870](#)
- [MEDIA](#)

6331CFF6**Explanation:**

Device successfully recovered from a temporary error.

Response

No action is required. This reference code is logged for information only.

6331CFF7**Explanation:**

Recovered device error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6331CFFE**Explanation:**

Recovered SCSI bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6331FF09**Explanation:**

Licensed Internal Code for optical device was not upgraded.

Response:

This reference code is logged for information only.

6331FF3D**Explanation:**

Recovered IOA error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6331FF6D**Explanation:**

Recovered bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6333) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6333C000**Explanation:**

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

6333C002**Explanation:**

SCSI Selection or Reselection timeout occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6333C010**Explanation:**

Undefined sense key returned by device.

Failing Item

- [FI00870](#)

6333C020**Explanation:**

Configuration error.

Failing Item

- [FI00870](#)

6333C022**Explanation:**

Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

- If this device is a client virtual optical device:
 1. If no function reduction exists, no action is required.
 - Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition. Once these things are verified,

IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.

3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device:
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6333C023

Explanation:

Unable to determine all of the device capabilities or the device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6333C100

Explanation:

SCSI Bus error occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)

- [FI01140](#)

6333C110

Explanation:

SCSI command timeout occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6333C210

Explanation:

Unexpected device condition.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6333C300

Explanation:

Media or device error occurred.

Response

Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6333C301

Explanation:

Media or device error occurred.

Response

Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6333C302

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6333C303

Explanation:

Media had an unknown format.

Response:

No action required. This reference code is logged for information only.

6333C332

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6333C333

Explanation:

Incompatible media.

Response

Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.
3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6333C400

Explanation:

Physical link error detected by device.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

6333C402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [FI00130](#)

6333CFF2

Explanation

Device not ready - Start Unit issued.

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6333CFF4

Explanation:

Internal device error occurred.

Failing Item

- [FI00870](#)
- [MEDIA](#)

6333CFF6

Explanation:

Device successfully recovered from a temporary error.

Response

No action is required. This reference code is logged for information only.

6333CFF7**Explanation:**

Recovered device error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6333CFFE**Explanation:**

Recovered SCSI bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6333FF09**Explanation:**

Licensed Internal Code for optical device was not upgraded.

Response:

This reference code is logged for information only.

6333FF3D**Explanation:**

Recovered IOA error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6333FF6D**Explanation:**

Recovered SPD bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6336) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6336C000**Explanation:**

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

6336C002**Explanation:**

SCSI Selection or Reselection timeout occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)

- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6336C010

Explanation:

Undefined sense key returned by device.

Failing Item

- [FI00870](#)

6336C020

Explanation:

Configuration error.

Failing Item

- [FI00870](#)

6336C022

Explanation:

Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

- If this device is a client virtual optical device:
 1. If no function reduction exists, no action is required.
 - Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition. Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device:
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)

3. Ensure that the latest optical LIC PTFs have been applied.

6336C023

Explanation:

Unable to determine all of the device capabilities or the device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6336C100

Explanation:

SCSI Bus error occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6336C110

Explanation:

SCSI command timeout occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)

- [FI01141](#)
- [FI01140](#)

6336C210

Explanation:

Unexpected device condition.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6336C300

Explanation:

Media or device error occurred.

Response

Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6336C301

Explanation:

Media or device error occurred.

Response

Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6336C302

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6336C303

Explanation:

Media had an unknown format.

Response:

No action required. This reference code is logged for information only.

6336C332

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6336C333

Explanation:

Incompatible media.

Response

Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.
3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6336C400

Explanation:

Physical link error detected by device.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

- [FI01141](#)

6336C402**Explanation:**

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [FI00130](#)

6336CFF2**Explanation**

Device not ready - Start Unit issued.

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6336CFF4**Explanation:**

Internal device error occurred.

Failing Item

- [FI00870](#)
- [MEDIA](#)

6336CFF6**Explanation:**

Device successfully recovered from a temporary error.

Response

No action is required. This reference code is logged for information only.

6336CFF7**Explanation:**

Recovered device error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6336CFFE**Explanation:**

Recovered SCSI bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6336FF09**Explanation:**

Licensed Internal Code for optical device was not upgraded.

Response:

This reference code is logged for information only.

6336FF3D**Explanation:**

Recovered IOA error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6336FF6D**Explanation:**

Recovered SPD bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6337) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.

2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6337C000

Explanation:

System log entry only, no service action required.

Response:

No action is required. This reference code is logged for information only.

6337C002

Explanation:

SCSI Selection or Reselection timeout occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6337C010

Explanation:

Undefined sense key returned by device.

Failing Item

- [FI00870](#)

6337C020

Explanation:

Configuration error.

Failing Item

- [FI00870](#)

6337C022

Explanation:

Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

- If this device is a client virtual optical device:
 1. If no function reduction exists, no action is required.
 - Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition. Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device:
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6337C023

Explanation:

Unable to determine all of the device capabilities or the device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6337C100

Explanation:

SCSI Bus error occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6337C110

Explanation:

SCSI command timeout occurred.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [MEDIA](#)
- [FI01141](#)
- [FI01140](#)

6337C210

Explanation:

Unexpected device condition.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6337C300

Explanation:

Media or device error occurred.

Response

Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6337C301

Explanation:

Media or device error occurred.

Response

Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6337C302

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6337C303

Explanation:

Media had an unknown format.

Response:

No action required. This reference code is logged for information only.

6337C332

Explanation:

Media or device error occurred.

Response

The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6337C333

Explanation:

Incompatible media.

Response

Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.
3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item

- [MEDIA](#)
- [FI00870](#)

6337C400

Explanation:

Physical link error detected by device.

Failing Item

- [FI00870](#)
- [CNVTCRD](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

6337C402

Explanation:

Licensed Internal Code error.

Response

Ask your next level of support for assistance.

Failing Item

- [FI00130](#)

6337CFF2

Explanation

Device not ready - Start Unit issued.

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6337CFF4

Explanation:

Internal device error occurred.

Failing Item

- [FI00870](#)
- [MEDIA](#)

6337CFF6

Explanation:

Device successfully recovered from a temporary error.

Response

No action is required. This reference code is logged for information only.

6337CFF7

Explanation:

Recovered device error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6337CFFE

Explanation:

Recovered SCSI bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6337FF09**Explanation:**

Licensed Internal Code for optical device was not upgraded.

Response:

This reference code is logged for information only.

6337FF3D**Explanation:**

Recovered IOA error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6337FF6D**Explanation:**

Recovered SPD bus error.

Response

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(63A0) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

63A03000**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [FI01112](#)

63A03202**Explanation:**

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)

63A03400**Explanation:**

Device error has occurred.

Failing Item

- [FI00872](#)
- [DEVTERM](#)
- [FI00871](#)
- [FI01103](#)
- [FI01106](#)

63A09020**Explanation:**

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.
- A tape or tape library device is being virtualized multiple times to the same client partition.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)
- [PTFSRCH](#)

63A09100

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

63A09101

Explanation:

Fibre Channel interface error detected.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FCIOA](#)
- [FCDEV](#)
- [FCCABLE](#)

63A09102

Explanation:

Gateway device detected a SCSI interface error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FI00871](#)
- [FCGATE](#)
- [FI00872](#)
- [DEVTERM](#)

63A09103

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [SASCABL](#)

63A09104

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)
- [USB_CBL](#)

63A09105

Explanation:

Interface error detected by system or by tape unit.

Response

Do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Make sure that the network is properly configured and there is a connection to the device.

Failing Item

- [VTLNWK](#)
- [FI00871](#)

63A09200

Explanation:

Tape unit is not responding.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

63A09201

Explanation:

Tape unit command timeout.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.
5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for

Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)
- [MEDIA](#)

63A09202

Explanation:

Tape unit failed after Licensed Internal Code was loaded.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

63A09210

Explanation:

Illegal or unsupported tape unit response.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [PTFSRCH](#)

63A09211

Explanation:

Gateway device detected a bus protocol error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)
- [FCIOA](#)
- [FI00871](#)
- [ANYFC](#)
- [FCCABLE](#)
- [FI00872](#)
- [DEVTERM](#)

63A09220

Explanation:

Hardware configuration change detected.

Response

The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

63A09221

Explanation:

I/O path change occurred.

Response

No action required. This reference code is logged for information only.

63A09300

Explanation:

Tape unit failure.

Failing Item

- [FI00871](#)

63A09301

Explanation:

Tape device failure, redundancy lost.

Response

The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item

- [FI00871](#)

63A09302**Explanation:**

Tape device failure or media error.

Response

The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item

- [MEDIA](#)
- [FI00871](#)

63A09303**Explanation:**

Gateway device failure.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)

63A09304**Explanation:**

Tape unit failure.

Response

Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.
2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item

- [USER](#)
- [FI00871](#)

63A09310**Explanation:**

Licensed Internal Code for the tape unit is not correct.

Failing Item

- [PTFSRCH](#)
- [FI00871](#)

63A09320**Explanation:**

Tape device Licensed Internal Code failure.

Failing Item

- [FI00130](#)
- [FI00871](#)

63A09321**Explanation:**

Gateway device Licensed Internal Code error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCCODE](#)

63A09350**Explanation:**

Tape unit detected a read or write error on tape medium.

Response

A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

63A09351**Explanation:**

Tape with excessive error rate was mounted in tape device.

Response

The tape unit detected that the mounted tape cartridge has a history of excessive read and write

errors. It is recommended that you exchange the tape cartridge.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

63A09355

Explanation:

The data format is incorrect; the tape cannot be read.

Response

The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item

- [USER](#)
- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

63A09500

Explanation:

Licensed Internal Code error.

Response

If the system is operational, perform a dump of the I/O processor data. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

63A09501

Explanation:

Licensed Internal Code error.

Response

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

63A09800

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A09801

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A09802

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A09803

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A09804

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A09805

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A09806

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A09807

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A09810

Explanation:

Problem analysis has determined a part should be replaced.

Response

This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only.)

63A09899

Explanation:

Problem analysis completed, the problem has been corrected.

Response

This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

63A09900

Explanation:

Licensed Internal Code for tape unit was not upgraded.

Response

The I/O processor loading of Licensed Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform [TUPIP04](#) to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item

- [USER](#)

63A09901

Explanation:

Tape performance statistics logged.

Response

No action required. This reference code is logged for information only.

63A09902

Explanation:

An IOP dump was initiated.

Response:

No action required.

63A09903

Explanation:

Tape device information logged.

Response

No action required. This reference code is logged for information only. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

63A0FFF6

Tape volume statistics logged (no action required).

Explanation:

(63A1) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

63A13000**Explanation:**

I/O adapter hardware error detected.

Failing Item

- [FI01112](#)

63A13202**Explanation:**

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)

63A13400**Explanation:**

Device error has occurred.

Failing Item

- [FI00872](#)
- [DEVTERM](#)

- [FI00871](#)

- [FI01103](#)

- [FI01106](#)

63A19020**Explanation:**

Tape unit configuration error.

Response

Before exchanging any parts, verify that the following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.
- A tape or tape library device is being virtualized multiple times to the same client partition.

Failing Item

- [TAPCNFG](#)
- [FI00871](#)
- [PTFSRCH](#)

63A19100**Explanation:**

Interface error detected by system or by tape unit.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

63A19101

Explanation:

Fibre Channel interface error detected.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FCIOA](#)
- [FCDEV](#)
- [FCCABLE](#)

63A19102

Explanation:

Gateway device detected a SCSI interface error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FI00871](#)
- [FCGATE](#)
- [FI00872](#)
- [DEVTERM](#)

63A19103

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [SASCABL](#)

63A19104

Explanation:

Interface error detected by system or by tape unit.

Response

If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)
- [USB_CBL](#)

63A19105

Explanation:

Interface error detected by system or by tape unit.

Response

Do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Make sure that the network is properly configured and there is a connection to the device.

Failing Item

- [VTLNTWK](#)
- [FI00871](#)

63A19200

Explanation:

Tape unit is not responding.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors. If the attached tape device is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FI00871](#)

- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

63A19201

Explanation:

Tape unit command timeout.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.
5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)
- [MEDIA](#)

63A19202

Explanation:

Tape unit failed after Licensed Internal Code was loaded.

Response

If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.

3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

63A19210

Explanation:

Illegal or unsupported tape unit response.

Failing Item

- [FI00871](#)
- [FI01112](#)
- [PTFSRCH](#)

63A19211

Explanation:

Gateway device detected a bus protocol error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)
- [FCIOA](#)
- [FI00871](#)
- [ANYFC](#)
- [FCCABLE](#)
- [FI00872](#)
- [DEVTERM](#)

63A19220

Explanation:

Hardware configuration change detected.

Response

The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

63A19221

Explanation:

I/O path change occurred.

Response

No action required. This reference code is logged for information only.

63A19300

Explanation:

Tape unit failure.

Failing Item

- [FI00871](#)

63A19301

Explanation:

Tape device failure, redundancy lost.

Response

The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item

- [FI00871](#)

63A19302

Explanation:

Tape device failure or media error.

Response

The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item

- [MEDIA](#)
- [FI00871](#)

63A19303

Explanation:

Gateway device failure.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCGATE](#)

63A19304

Explanation:

Tape unit failure.

Response

Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.
2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item

- [USER](#)
- [FI00871](#)

63A19310

Explanation:

Licensed Internal Code for the tape unit is not correct.

Failing Item

- [PTFSRCH](#)
- [FI00871](#)

63A19320

Explanation:

Tape device Licensed Internal Code failure.

Failing Item

- [FI00130](#)
- [FI00871](#)

63A19321

Explanation:

Gateway device Licensed Internal Code error.

Response

Use the gateway device service documentation to analyze the problem.

Failing Item

- [FCCODE](#)

63A19350

Explanation:

Tape unit detected a read or write error on tape medium.

Response

A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

63A19351

Explanation:

Tape with excessive error rate was mounted in tape device.

Response

The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item

- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

63A19355

Explanation:

The data format is incorrect; the tape cannot be read.

Response

The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item

- [USER](#)
- [MEDIA](#)
- [TAPCLN](#)
- [FI00871](#)

63A19500

Explanation:

Licensed Internal Code error.

Response

If the system is operational, perform a dump of the I/O processor data. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

63A19501

Explanation:

Licensed Internal Code error.

Response

If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

Failing Item

- [PTFSRCH](#)

63A19800

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A19801

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A19802

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A19803

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A19804

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A19805

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A19806

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A19807

Explanation:

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

63A19810**Explanation:**

Problem analysis has determined a part should be replaced.

Response

This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only.)

63A19899**Explanation:**

Problem analysis completed, the problem has been corrected.

Response

This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

63A19900**Explanation:**

Licensed Internal Code for tape unit was not upgraded.

Response

The I/O processor loading of Licensed Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform [TUPIP04](#) to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item

- [USER](#)

63A19901**Explanation:**

Tape performance statistics logged.

Response

No action required. This reference code is logged for information only.

63A19902**Explanation:**

An IOP dump was initiated.

Response:

No action required.

63A19903**Explanation:**

Tape device information logged.

Response

No action required. This reference code is logged for information only. If the attached tape or tape library device is being virtualized to this partition from another IBM i partition using a NWSD (Network Server Description) check for Product Activity Log entries on the server partition and follow the service procedures for those errors.

63A1FFF6**Explanation:**

Tape volume statistics logged (no action required).

(63B8) Reference codes**63B83202****Explanation:**

Unsupported device or storage dock.

Failing Item

- [STGDOCK](#)

63B8C000**Explanation:**

This event is informational only. No service required.

63B8C002**Explanation:**

Selection time-out, device not there or not responding.

Failing Item

- [SVCDOCS](#)

63B8C020

Explanation:
Configuration error.

Failing Item

- [SVCDOCS](#)

63B8C022

Explanation:
Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response:
No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

- If this device is a client virtual optical device:
 1. If no function reduction exists, no action is required.
 - Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition. Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device:
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

63B8C100

Explanation:
Bus error reported by device or the device unexpectedly reset.

Failing Item

- [CHECK](#)
- [STGDOCK](#)

63B8C110

Explanation:
Driver abort, device not responding.

Problem determination

Perform the following:

1. If the storage dock is remote then verify that the cable is seated correctly at the adapter or system unit and at the storage dock. If that does not resolve the problem continue with the next step.
2. If the storage dock is remote then power off and power on the storage dock. Verify that the device has power. If that does not resolve the problem continue with the next step.
3. Verify that the cartridge is not stuck or jammed. If the cartridge is stuck or jammed and you cannot free the cartridge then report this problem to your service provider. Otherwise continue with the next step.
4. Report this problem to your service provider when you have determined that the cable (if the device is cable attached) is correctly seated and the device has power.

Failing Item

- [SVCDOCS](#)
- [USB_CBL](#)
- [STGDOCK](#)

63B8C210

Explanation:
Unexpected device condition.

Failing Item

- [STGCART](#)
- [STGDOCK](#)

63B8C300

Explanation:
Cartridge or dock error.

Failing Item

- [STGCART](#)
- [STGDOCK](#)

63B8C304

Explanation:
Cartridge or media error.

Failing Item

- [STGCART](#)

63B8C333**Explanation:**

Medium incompatible.

Failing Item

- [STGCART](#)

63B8C400**Explanation:**

Device or device interface error.

Failing Item

- [STGDOCK](#)
- [STGCART](#)

63B8C401**Explanation:**

USB transport error.

Problem determination

If this refcode does not appear in a serviceable event view then no service is required. The event was logged when a device disappeared while the USB transport did not appear to be in use. The device may have been unplugged or powered off. Otherwise perform the following:

1. Is the system a model with feature EUA3?
 - Yes - The storage dock is either the internal dock integrated into the front of the system unit or an additional dock attached with an external USB cable. Licensed internal code (LIC) cannot tell the difference but assumes the problem is with the internal dock. The SRC is flagged for automatic call home and the USB cable FRU will not appear in the serviceable event view. Work the failing items list and skip the USB cable failing item if the dock is internal. If the dock is internal this ends the procedure. Otherwise continue with step 3.
 - No - Continue with step 3 of this procedure.
 - Don't know - Continue with the next step in this procedure.
2. Is the secondary code in the Product Activity Log (PAL) or in the Service Action Log (SAL) 9913?
 - Yes - The storage dock is either the internal dock integrated into the front of the system unit or an additional dock attached with an external USB cable. Licensed internal code (LIC) cannot tell the difference but assumes the problem is with the internal dock. The SRC is flagged for automatic call home and the USB cable FRU will not appear in the serviceable event view. Work the failing

items list and skip the USB cable failing item if the dock is internal. If the dock is internal this ends the procedure. Otherwise continue with step 3.

- No - Continue with step 3 of this procedure.
3. Is the USB device an RDX storage dock?
 - Yes - Continue with step 4 of this procedure.
 - No - Unplug and replug connectors and cables. If the location of the adapter's USB port is not listed in the Service Action Log (SAL) as part of the cable or device location use symbolic FRU [USB_CBL](#) to determine the location of the USB port and cable or device. Try the device again before exchanging hardware. This ends the procedure.
 4. Unplug then replug connectors and cables using the following procedure:
 - Disconnect the USB cable from the RDX docking station so that the device can power off completely. If the location of the adapter's USB port is not listed in the Service Action Log (SAL) as part of the cable or device location use symbolic FRU [USB_CBL](#) to determine the location of the USB port and cable or device.
 - Disconnect the power source for the RDX docking station.
 - Connect the RDX docking station to the power source.
 - After the power source is connected, connect the USB cable to the RDX docking station.
 - Try the device again before exchanging hardware.

Failing Item

- [CHECK](#)
- [SVCDOS](#)
- [USB_CBL](#)
- [STGDOCK](#)
- [STORIOA](#)
- [AJDGP01](#)

63B8C402**Explanation:**

Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

63B8CFF2**Explanation:**

Device not ready.

Failing Item

- [SVCDOS](#)

63B8CFF4

Explanation:

Unrecoverable device error.

Failing Item

- [STGDOCK](#)

63B8CFF6

Explanation:

Temporary device error. If this event appears in a serviceable event view then a service action is required. Otherwise this event is informational statistical only and no service is required.

Failing Item

- [STGDOCK](#)

63B8CFF7

Explanation:

Temporary device error. If this event appears in a serviceable event view then a service action is required. Otherwise this event is informational statistical only and no service is required.

Failing Item

- [STGDOCK](#)

63B8CFF9

Explanation:

Cartridge or media error.

Failing Item

- [STGCART](#)

(63BC) Reference codes

63BC3202

Explanation:

Unsupported device.

Failing Item

- [USB_DEV](#)

63BCC000

Explanation:

This event is informational only. No service required.

63BCC002

63B8CFFB

Explanation:

This event is informational only. No service required.

63B8CFFE

Explanation:

Temporary device error. If this event appears in a serviceable event view then a service action is required. Otherwise this event is informational statistical only and no service is required.

Failing Item

- [STGDOCK](#)

63B8FF09

Explanation:

Device firmware update failed.

Problem determination

Examine the Secondary Code for the event in the IBM i Service Action Log (SAL) or the IBM i Product Activity Log (PAL).

Is the Secondary Code zero?

- NO - Remove the media in the dock and retry the operation. If the problem persists work the failing item list.
- YES - Work the failing item list.

Failing Item

- [STGDOCK](#)
- [AJDGP01](#)

Explanation:

Selection time-out, device not there or not responding.

Failing Item

- [SVCDOS](#)

63BCC020

Explanation:

Configuration error.

Failing Item

- [SVCDOS](#)

63BCC022

Explanation:

Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response:

No action is required. This reference code is logged for information only.

Problem determination

Perform the following:

- If this device is a client virtual optical device:
 1. If no function reduction exists, no action is required.
 - Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition. Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device:
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

63BCC023

Explanation:

Unable to determine all of the device capabilities or the device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Problem determination:

Optical device SRC xxxx023 is normally logged as informational. However, if the device is a USB DVD that is missing or not operational, this SRC may be reported as a serviceable event with a 63BC storage device type. Ensure that the USB cable is attached to the device and that the device has power.

Failing Item

- [SVCDOS](#)

63BCC100

Explanation:

Bus error reported by device or the device unexpectedly reset.

Failing Item

- [USB_DEV](#)

63BCC110

Explanation:

Driver abort, device not responding.

Problem determination

Use the following list of possible causes as a guide. Some items may not apply to your device. Work down the list to eliminate problem possibilities.

- If there is a cable from the adapter or system unit to the device then verify that the cable is seated correctly at both ends before replacing parts.
- If the device has its own power source then power off and power on the device. Verify that the device has power before replacing parts.
- Try a different device in the same USB connection. If the different device functions properly then suspect that the original device is either not supported or failing.

If you have determined that none of the above are the cause of the problem then work the failing item list.

Failing Item

- [SVCDOS](#)
- [USB_CBL](#)
- [USB_DEV](#)

63BCC210

Explanation:

Unexpected device condition.

Failing Item

- [USB_DEV](#)

63BCC300

Explanation:

Storage media or device error.

Failing Item

- [USB_DEV](#)

63BCC304

Explanation:
Media error.

Failing Item

- [USB_DEV](#)

63BCC333

Explanation:
Medium incompatible.

Failing Item

- [USB_DEV](#)

63BCC400

Explanation:
Device or device interface error.

Failing Item

- [USB_DEV](#)

63BCC401

Explanation:
USB transport error.

Problem determination

If this refcode does not appear in a serviceable event view then no service is required. The event was logged when a device disappeared while the USB transport did not appear to be in use. The device may have been unplugged or powered off. Otherwise perform the following:

Unplug and replug connectors and cables. If the location of the adapter's USB port is not listed in the Service Action Log (SAL) as part of the cable or device location use symbolic FRU USB_CBL to determine the location of the USB port and cable or device. Try the device again before exchanging hardware. This ends the procedure.

Failing Item

- [SVCDPCS](#)
- [USB_CBL](#)
- [USB_DEV](#)
- [AJDGP01](#)

63BCC402

Explanation:
Licensed Internal Code error.

Failing Item

- [AJDGP01](#)

63BCCFF2

Explanation:
Device not ready.

Failing Item

- [SVCDPCS](#)

63BCCFF4

Explanation:
Unrecoverable device error.

Failing Item

- [USB_DEV](#)

63BCCFF6

Explanation:
Temporary device error. If this event appears in a serviceable event view then a service action is required. Otherwise this event is informational statistical only and no service is required.

Failing Item

- [USB_DEV](#)

63BCCFF7

Explanation:
Temporary device error. If this event appears in a serviceable event view then a service action is required. Otherwise this event is informational statistical only and no service is required.

Failing Item

- [USB_DEV](#)

63BCCFF9

Explanation:
Media error.

Failing Item

- [USB_DEV](#)

63BCCFFB

Explanation:
This event is informational only. No service required.

63BCCFFE

Explanation:
Temporary device error. If this event appears in a serviceable event view then a service action

is required. Otherwise this event is informational statistical only and no service is required.

(6600) Reference codes

6600102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

66003002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DEVBPLN](#)
- [SASCABL](#)
- [SASEXP](#)

66003010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

66003020

Explanation:

Replacement device is not supported.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)

66003029

Explanation:

A device replacement has occurred.

Response**Failing Item**

- [USB_DEV](#)

No action required. This reference code is logged for information only.

66003100

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

66003109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

6600310C

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

6600310D

Explanation:

Device bus error.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

66003110

Explanation:

Device bus interface error occurred.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

66003130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

660034FF

Explanation:

Format in progress.

Response:

No action required. This reference code is logged for information only.

66004041

Explanation:

Incomplete multipath connection.

Response:

Incomplete multipath connection between device backplane and device.

Failing Item

- [SIP3146](#)

66004060

Explanation:

Multipath redundancy level reduced.

Response:

A redundant disk unit connection has failed.

Failing Item

- [SIP3153](#)
- [SASCABL](#)
- [SASEXP](#)

66004061

Explanation:

Multipath redundancy level increased.

Response:

A redundant disk unit connection has been restored. No service action is required.

66004100

Explanation:

Device bus fabric error.

Failing Item

- [SIP3152](#)
- [SASCABL](#)
- [SASEXP](#)
- [DEVBPLN](#)
- [STORIOA](#)
- [DISKDRV](#)

66007000

Explanation:

Disk sector read error.

Response

No action required. This reference code is logged for information only.

66007001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

660070DD

Explanation:

System log entry only, no service action required.

6600FF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

6600FF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

6600FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6600FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6600FFF7

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6600FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6600FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [SASCABL](#)
- [SASEXP](#)

6600FFFB

Explanation:

SAS bus reset occurred.

Response:

No action required. This reference code is logged for information only.

6600FFFC

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)
- [DISKDRV](#)
- [STORIOA](#)

6600FFFD

Explanation:

Soft device bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3250](#)

- [DISKDRV](#)
- [STORIOA](#)

6600FFFE**Explanation:**

Temporary disk bus error.

Response:

(6607) Reference codes

6607102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

66073002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

66073010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

66073020**Explanation:**

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [SIP3150](#)

-
- [STORIOA](#)

- [FI01140](#)

66073029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

66073100**Explanation:**

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

66073109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

66073110**Explanation:**

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)

- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

66073130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

66073131**Explanation:**

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

66077000**Explanation:**

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

66077001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

66077003**Explanation:**

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

66077004**Explanation:**

System log entry only. No service action required.

660770DD**Explanation:**

System log entry only, no service action required.

6607FFF2**Explanation:**

Disk motor problem.

Failing Item

- [DISKDRV](#)

6607FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

6607FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

6607FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6607FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6607FFF7

Explanation:

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

6607FFF8

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6607FFF9

Explanation:

Temporary disk data error.

Response:

(6713) Reference codes

6713102E

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6607FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

6607FFFB

Explanation:

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

6607FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

67133002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

67133010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

67133020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

67133029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

67133100

Explanation:

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

67133109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

67133110

Explanation:

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

67133130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCD0CS](#)

67133131

Explanation:

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDOS](#)

67137000

Explanation:

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

67137001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

67137003

Explanation:

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

67137004

Explanation:

System log entry only. No service action required.

671370DD

Explanation:

System log entry only, no service action required.

6713FFF2

Explanation:

Disk motor problem.

Failing Item

- [DISKDRV](#)

6713FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

6713FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

6713FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6713FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6713FFF7

Explanation:

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

6713FFF8

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6713FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6713FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

6713FFFB

Explanation:

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

6713FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

(6714) Reference codes

6714102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

67143002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

67143010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

67143020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

67143029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

67143100

Explanation:

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

67143109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)

- [FI01140](#)

67143110

Explanation:

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

67143130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

67143131

Explanation:

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

67147000

Explanation:

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

67147001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

67147003

Explanation:

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

67147004

Explanation:

System log entry only. No service action required.

671470DD

Explanation:

System log entry only, no service action required.

6714FFF2

Explanation:

Disk motor problem.

Failing Item

- [DISKDRV](#)

6714FFF3

Explanation:

Disk media format not valid.

Failing Item

- [DISKDRV](#)

6714FFF4

Explanation:

Disk device problem.

Failing Item

- [DISKDRV](#)

- [STORIOA](#)

6714FFF5

Explanation:

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6714FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6714FFF7

Explanation:

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

6714FFF8

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does

not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6714FFF9

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6714FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

(6717) Reference codes

6717102E

Explanation:

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

67173002

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

6714FFFB

Explanation:

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

6714FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

67173010

Explanation:

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

67173020

Explanation:

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

67173029

Explanation:

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

67173100

Explanation:

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

67173109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

67173110

Explanation:

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

67173130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

67173131

Explanation:

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDPCS](#)

67177000

Explanation:

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

67177001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

67177003

Explanation:
Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

67177004

Explanation:
System log entry only. No service action required.

671770DD

Explanation:
System log entry only, no service action required.

6717FFF2

Explanation:
Disk motor problem.

Failing Item

- [DISKDRV](#)

6717FFF3

Explanation:
Disk media format not valid.

Failing Item

- [DISKDRV](#)

6717FFF4

Explanation:
Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

6717FFF5

Explanation:
Disk sector read error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6717FFF6

Explanation:
Disk device detected recoverable error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6717FFF7

Explanation:
Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

6717FFF8

Explanation:
Temporary disk data error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6717FFF9

Explanation:
Temporary disk data error.

Response:
If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6717FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

6717FFFB**Explanation:**

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

6717FFFE**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

(6718) Reference codes

6718102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

67183002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

67183010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

67183020**Explanation:**

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)
- [STORIOA](#)
- [FI01140](#)

67183029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

67183100**Explanation:**

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

67183109

Explanation:

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

67183110

Explanation:

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)
- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

67183130

Explanation:

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

67183131

Explanation:

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDOCS](#)

67187000

Explanation:

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

67187001

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

67187003

Explanation:

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

67187004

Explanation:

System log entry only. No service action required.

671870DD

Explanation:

System log entry only, no service action required.

6718FFF2

Explanation:

Disk motor problem.

Failing Item

- [DISKDRV](#)

6718FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

6718FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

6718FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6718FFF6**Explanation:**

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6718FFF7**Explanation:**

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

6718FFF8**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6718FFF9**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6718FFFA**Explanation:**

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

6718FFFB**Explanation:**

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

6718FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

(6719) Reference codes

6719102E**Explanation:**

Out of alternate sectors for disk storage.

Failing Item

- [DISKDRV](#)

67193002**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [BACKPLN](#)
- [FI01106](#)
- [FI01140](#)

67193010**Explanation:**

Disk device returned wrong response to IOA.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)

67193020**Explanation:**

Storage subsystem configuration error.

Response

If an MES is being installed, verify the configuration.

Failing Item

- [DISKDRV](#)
- [FI01106](#)

- [STORIOA](#)

- [FI01140](#)

67193029**Explanation:**

A device replacement has occurred.

Response

No action required. This reference code is logged for information only.

67193100**Explanation:**

Tape/optical or disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

67193109**Explanation:**

IOA timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

67193110**Explanation:**

Disk bus interface error occurred.

Failing Item

- [DSKIP03](#)
- [STORIOA](#)

- [DISKDRV](#)
- [FI01106](#)
- [FI01140](#)

67193130**Explanation:**

Device Licensed Internal Code.

Response

The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item

- [SVCDOS](#)

67193131**Explanation:**

Device or IOA Licensed Internal Code.

Response:

The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item

- [SVCDOS](#)

67197000**Explanation:**

Recoverable disk sector read error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

67197001**Explanation:**

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

67197003**Explanation:**

Device format error.

Response

If the disk has not been formatted by the system, initialize and format the disk. See [Work with disk unit recovery](#).

67197004**Explanation:**

System log entry only. No service action required.

671970DD**Explanation:**

System log entry only, no service action required.

6719FFF2**Explanation:**

Disk motor problem.

Failing Item

- [DISKDRV](#)

6719FFF3**Explanation:**

Disk media format not valid.

Failing Item

- [DISKDRV](#)

6719FFF4**Explanation:**

Disk device problem.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

6719FFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6719FFF6

Explanation:

Disk device detected recoverable error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6719FFF7

Explanation:

Temporary disk data error.

Response

No action required. This reference code is logged for information only.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [DISKDRV](#)

6719FFF8

Explanation:

Temporary disk data error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6719FFF9

Explanation:

Temporary disk data error.

Response:

(6A59) Reference codes

6A590AD2

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)

6719FFFA

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01140](#)
- [FI01141](#)
- [BACKPLN](#)

6719FFFB

Explanation:

SCSI bus reset occurred.

Response:

No action required. This reference code is logged for information only.

6719FFFE

Explanation:

Temporary disk bus error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [FI01140](#)

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00718](#)

6A590AD3

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00718](#)

6A590B25

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [FI00727](#)

6A590BA0

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590BAB

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590BB0

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590BD0

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)

- [FI00718](#)

6A590BD1

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590BEE

Explanation:

I/O card Licensed Internal Code ended abnormally.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590C10

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)
- [FI00727](#)

6A590C20

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590C30

Explanation:

Adapter card failed modem interface test.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590C40

Explanation:

Synchronous-data-link-control send-receive test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590C43

Explanation:

Synchronous-data-link-control send-receive test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590C50

Explanation:

Binary synchronous control send-receive test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590C53

Explanation:

Binary synchronous control send-receive test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590C60

Explanation:

Asynchronous send-receive test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590C63

Explanation:

Asynchronous send-receive test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590C70

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590C80

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590C90

Explanation:

Communications adapter card X.21 test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590CA1

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A590CC0

Explanation:

Communications adapter card test failed.

Failing Item

- [FI00719](#)
- [FI00718](#)

6A595007

Explanation:

Diagnostic wrap test completed; no errors detected.

6A595008

Explanation:

Diagnostic wrap test completed; error was detected.

Failing Item

- [FI00719](#)
- [DPAC](#)
- [FI00718](#)

6A59FFFF

Explanation:
User suspected problem.

Failing Item

- [USER](#)

(6B22) Reference codes

6B22XXXX

Explanation:
Event logged in client for a virtual drive being provide by an I/O host.

Failing Item

- [VIRTDRV](#)

(6B23) Reference codes

6B23XXXX

Explanation:
Event logged in client for a virtual drive being provide by an I/O host.

Failing Item

- [VIRTDRV](#)

(6B24) Reference codes

6B24XXXX

Explanation:
Event logged in client for a virtual drive being provide by an I/O host.

Failing Item

- [VIRTDRV](#)

(6B25) Reference codes

6B253020

Explanation:
VIOS hosted, I/O processor detected a configuration error.

Response:
Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item

- [SVCDOS](#)

This event will be logged as informational during LPAR migrations and can be ignored.

Failing Item

- [VIOSLOG](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

6B253100

Explanation
VIOS hosted, I/O processor card detected interface error. If this event appears in a serviceable event view then it requires service. Otherwise it can be ignored.

Explanation

VIOS hosted, I/O processor detected a port failure. If this event appears in a serviceable event view then it requires service. Otherwise it can be ignored.

This event may be logged as informational during LPAR migrations and can be ignored.

Failing Item

- [FCCABLE](#)
- [FCPORT](#)
- [FCIOA](#)
- [VIOSLOG](#)
- [FCDEV](#)
- [OPT_CLN](#)

6B253140

Explanation:

VIOS hosted, I/O Processor detected that a port is now operational.

Response:

This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

6B253400

Explanation:

VIOS hosted, I/O processor card detected device error.

Failing Item

- [FCDEV](#)
- [FCINTF](#)
- [ANYFC](#)
- [FCIOA](#)
- [OPT_CLN](#)

6B253405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.

(6B4E) Reference codes

6B4EXXX

Explanation:

- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item

- [PTFSRCH](#)

6B258100

Explanation:

VIOS hosted, recovered Fibre Channel interface error.

Failing Item

- [AJDGP01](#)

6B258130

Explanation:

VIOS hosted, recovered Fibre Channel interface error.

Response

No action required. This reference code is logged for information only.

6B258301

Explanation:

VIOS hosted, unexpected fibre channel error detected.

Failing Item

- [NEXTLVL](#)

6B259500

Explanation:

Internal program error in driver code.

Failing Item

- [PTFSRCH](#)

6B259903

Explanation:

Tape device information was logged. Informational event, no service required.

Event logged in client for a virtual drive being provide by an I/O host.

Failing Item

- [VIRTDRV](#)

(6B64) Reference codes

6B643002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

6B643109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

6B648404

Explanation:

System log entry only, no service action required.

6B64FFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

(6B6C) Reference codes

6B6C3000

Explanation:

USB optical device information was logged. Informational event, no service required.

6B6C3002

Explanation:

Unexpected USB device disconnect detected.

Failing Item

- [USB_DEV](#)

6B6C3010

Explanation:

USB undefined device response.

Failing Item

- [USB_DEV](#)

6B6C3020

Explanation:

USB configuration error. Too many USB devices are plugged. The internal device map is full.

Problem determination:

Remove USB devices one at a time until the problem is resolved. In the Service Action Log (SAL) the location of the device that caused this error is listed with the FRU.

Failing Item

- [SVCDPCS](#)
- [USB_DEV](#)

6B6C3100

Explanation:

USB device bus error.

Failing Item

- [USB_CBL](#)
- [USB_DEV](#)
- [USB_IOA](#)

6B6C31AX

Explanation:

USB port over current error detected. The port location is listed in the serviceable event view with the "USBPORT" symbolic FRU. The logical port number is the last character of the URC.

Problem determination

USB port numbers start with '1' and are in the hexadecimal range of 1 through F for each USB port on an adapter.

For the USB port identified by the last digit of the URC, there is a problem with the power being drawn by the device. If the device is within operating specifications it may work properly when plugged into another USB port or another USB adapter. If the device is moved to a different port and this error is logged against the port where the device is plugged then the device may be failing. Try moving the device to a different adapter.

If the device operates properly on another USB port or on another system then the problem is with the USB adapter or the adapter's USB port.

Remove the device on the port given in the location code of symbolic FRU "USBPORT" and look for a xxxx31By SRC to be logged where "xxxx" are the same characters as the first four characters of this SRC and 'y' is the same as the last character of this SRC.

- If the xxxx31By SRC is logged at about the same time that you removed the device then examine the location code of symbolic FRU "USBPORT" for the xxxx31By SRC. If the location code for "USBPORT" is the same as the adapter and port location called out by this SRC then the problem at this port has been corrected. The device may be failing. The device may function properly on another USB port or another system.
- If the xxxx31By SRC is not logged then work the failing item list in the serviceable event view or from the list below.

Failing Item

- [SVCDOS](#)
- [USBPORT](#)
- [USB_DEV](#)
- [USB_IOA](#)

6B6C31BX

Explanation:

USB port over current error removed.

Problem determination:

An over current condition that previously existed on this port has been resolved. The port is operating normally. The port location is listed with symbolic FRU "SVCDOS" in the serviceable event view. The logical port number is the last character of the SRC.

Failing Item

- [SVCDOS](#)

6B6C3202

Explanation:

USB optical device information was logged. Informational event, no service required.

6B6C3400

Explanation:

USB unknown device or unexpected device removal. If this SRC appears in a serviceable event view then it requires service. Otherwise no service is required.

Problem determination

Did this error occur during an IPL?

- Yes - The device may have been initializing when an access occurred. Reset / reload the adapter or retry the IPL. If the problem persists then the device is failing.
- No - The device is unknown or was unexpectedly removed.

Failing Item

- [USB_DEV](#)
- [USB_CBL](#)

6B6C3405

Explanation:

An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response

Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest related PTFs.

- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination:

IPL the IOP to retry the device identification process. If the error persists, then contact your service provider.

Failing Item

- [PTFSRCH](#)

6B6C4150

Explanation:

USB IOA hard PCI error.

Failing Item

- [USB_IOA](#)
- [ANYBRDG](#)

6B6C8100

Explanation:

USB IOA manager program error.

Failing Item

- [AJDGP01](#)

6B6C8150

Explanation:

USB hard IOA or device hardware error.

Failing Item

- [USB_DEV](#)
- [USB_IOA](#)

6B6C8300

Explanation:

USB IOA hardware error, IOA reset issued.

Failing Item

- [USB_IOA](#)

6B6C8301

Explanation:

USB program error.

(6B7D) Reference codes

6B7D3010

Explanation:

Unexpected device response.

Failing Item

- [AJDGP01](#)

6B6C8303

Explanation:

USB port enumerator error.

Failing Item

- [AJDGP01](#)
- [USB_IOA](#)

6B6CC000

Explanation:

USB optical device information was logged. Informational event, no service required.

6B6CC402

Explanation:

USB optical device LIC information was logged. Informational event, no service required.

6B6CFF3D

Explanation:

USB optical device successfully recovered from a temporary error. No action is required. This reference code is logged for information only.

6B6CFFF3

Explanation:

USB media format corrupted.

Failing Item

- [MEDIA](#)
- [USB_DEV](#)

6B6CFFF4

Explanation:

USB internal device error.

Failing Item

- [USB_DEV](#)

6B6CFFFE

Explanation:

USB temporary bus error.

Failing Item

- [NEXTLVL](#)
- [NVMEDEV](#)

6B7D3100**Explanation:**

Device or bus interface error.

Failing Item

- [LICIP17](#)
- [NVMEDEV](#)

6B7D3109**Explanation:**

Device command timed out.

Failing Item

- [LICIP17](#)
- [NEXTLVL](#)
- [NVMEDEV](#)

6B7D34FF**Explanation:**

Device format or sanitize in progress.

Response:

No action required. This reference code is logged for information only.

6B7DFFF3**Explanation:**

Device media format corrupted.

Failing Item

- [LICIP17](#)
- [NEXTLVL](#)
- [NVMEDEV](#)

6B7DFFF4**Explanation:**

Internal device error.

Problem determination:

The device may have reached the limit for the number of write operations it supports. Perform the steps in symbolic FRU [NVMEEOOL](#) to determine if that is the case.

Failing Item

- [NVMEEOOL](#)
- [NEXTLVL](#)
- [NVMEDEV](#)

6B7DFFF5**Explanation:**

Disk sector read error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [NVMEDEV](#)

6B7DFFF6**Explanation:**

Temporary internal device error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there to determine the part number and location of the NVM device. If this event does not appear in a serviceable event view, no service action is required.

Problem determination:

The device may have reached the limit for the number of write operations it supports. Perform the steps in symbolic FRU [NVMEEOOL](#) to determine if that is the case.

Failing Item

- [NVMEEOOL](#)
- [NEXTLVL](#)
- [NVMEDEV](#)

6B7DFFFA**Explanation:**

Temporary unexpected device response.

Response:

If this event appears in a serviceable event view, work with the failing item list found there to determine the part number and location of the NVM device. If this event does not appear in a serviceable event view, no service action is required.

Failing Item

- [NEXTLVL](#)
- [NVMEDEV](#)

6B7DFFFE**Explanation:**

Temporary device or bus interface error.

Response:

If this event appears in a serviceable event view, work with the failing item list found there to determine the part number and location of the NVM device. If this

event does not appear in a serviceable event view, no service action is required.

- [NVMEDEV](#)

Failing Item

- [NEXTLVL](#)

(78D1) Reference codes

78D11511

Explanation:

An over temperature warning occurred on power supply 1.

Problem determination:

Check for other fan failure errors from the same enclosure. If you find any fan errors from the same power supply in the same enclosure logged at about the same time then close this problem and work those errors. Otherwise work the failing items.

Failing Item

- [AMBTMP1](#)
- [DISKPWR](#)

78D11515

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

78D11516

Explanation:

A fatal error occurred on power supply 1.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event.

Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

78D11517

Explanation:

A fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

78D11518

Explanation:

An over temperature error occurred on power supply 1.

Problem determination:

Check for other fan failure errors from the same enclosure. If you find any fan errors from the same power supply in the same enclosure logged at about the same time then close this problem and work those errors. Otherwise work the failing items.

Failing Item

- [AMBTMP1](#)
- [DISKPWR](#)

78D11519

Explanation:

An AC loss was detected on power supply 1.

Problem determination:

Verify that AC power was present for power supply 1 at the time this error was logged and is currently present. If you determine that this problem was due to

the loss of AC power then work that issue and close this problem. Otherwise work the failing items.

Failing Item

- [PWRCORD](#)
- [DISKPWR](#)

78D1151A

Explanation:

A fatal error occurred on power supply 1.

Failing Item

- [DISKPWR](#)

78D11521

Explanation:

An over temperature warning occurred on power supply 2.

Problem determination:

Check for other fan failure errors from the same enclosure. If you find any fan errors from the same power supply in the same enclosure logged at about the same time then close this problem and work those errors. Otherwise work the failing items.

Failing Item

- [AMBTMP1](#)
- [DISKPWR](#)

78D11525

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

78D11526

Explanation:

A fatal error occurred on power supply 2.

Problem determination:

This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

78D11527

Explanation:

A fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)
- [DEVBPLN](#)
- [SASEXP](#)

78D11528

Explanation:

An over temperature error occurred on power supply 2.

Problem determination:

Check for other fan failure errors from the same enclosure. If you find any fan errors from the same power supply in the same enclosure logged at about the same time then close this problem and work those errors. Otherwise work the failing items.

Failing Item

- [AMBTMP1](#)
- [DISKPWR](#)

78D11529

Explanation:

An AC loss was detected on power supply 2.

Problem determination:

Verify that AC power was present for power supply 2 at the time this error was logged and is currently present. If you determine that this problem was due to the loss of AC power then work that issue and close this problem. Otherwise work the failing items.

Failing Item

- [PWRCORD](#)
- [DISKPWR](#)

78D1152A

Explanation:

A fatal error occurred on power supply 2.

Failing Item

- [DISKPWR](#)

78D13002

Explanation:

Addressed device backplane failed to respond to selection.

Problem determination:

If there are multiple xxxx3002 reference codes logged from the same disk expansion unit at about the same time suspect an input power failure. Verify that input power to the expansion unit power supplies was active at the time of the error. If input power to the expansion unit failed the expansion unit was not able to log a reference code for the input power failure. Restore power to the expansion unit and close the xxxx3002 problems. Otherwise work the xxxx3002 reference codes.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

78D13109

Explanation:

I/O adapter timed out a device backplane command.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

78D17311

Explanation:

Over temperature error on power supply 1, Un-P1-E1.

Failing Item

- [DISKPWR](#)

78D17312

Explanation:

Over temperature error on power supply 1, Un-P1-E1.

Failing Item

- [DISKPWR](#)

78D17313

Explanation:

Over temperature error on power supply 1, Un-P1-E1.

Failing Item

- [DISKPWR](#)

78D17315

Explanation:

Over temperature error on power supply 1, Un-P1-E1.

Failing Item

- [DISKPWR](#)

78D17316

Explanation:

Over temperature error on power supply 1, Un-P1-E1.

Failing Item

- [DISKPWR](#)

78D17317

Explanation:

Over temperature error on power supply 1, Un-P1-E1.

Failing Item

- [DISKPWR](#)

78D17321

Explanation:

Over temperature error on power supply 2, Un-P1-E2.

Failing Item

- [DISKPWR](#)

78D17322

Explanation:

Over temperature error on power supply 2, Un-P1-E2.

Failing Item

- [DISKPWR](#)

78D17323

Explanation:

Over temperature error on power supply 2, Un-P1-E2.

Failing Item

- [DISKPWR](#)

78D17325**Explanation:**

Over temperature error on power supply 2, Un-P1-E2.

Failing Item

- [DISKPWR](#)

78D17326**Explanation:**

Over temperature error on power supply 2, Un-P1-E2.

Failing Item

- [DISKPWR](#)

78D17327**Explanation:**

Over temperature error on power supply 2, Un-P1-E2.

Failing Item

- [DISKPWR](#)

78D17411**Explanation:**

Over temperature error on enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17412**Explanation:**

Over temperature error on enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17413**Explanation:**

Over temperature error on midplane, Un-P1.

Failing Item

- [DEVBPLN](#)

78D17415**Explanation:**

Over temperature error on enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17416**Explanation:**

Over temperature error on enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17421**Explanation:**

Over temperature error on enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17422**Explanation:**

Over temperature error on enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17425**Explanation:**

Over temperature error on enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17426**Explanation:**

Over temperature error on enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17427**Explanation:**

Over temperature error on midplane, Un-P1.

Failing Item

- [DEVBPLN](#)

78D17431

Explanation:

The enclosure services manager (ESM) at location Un-P1-C1 failed to communicate with the ESM at location Un-P1-C2.

Response

Perform the following:

1. If reference code 78D17441 is in the service action log (SAL) with a status of "NEW" and it was logged at about the same time as this reference code and is listing FRUs for the same enclosure go to step 3. Otherwise continue with the next step.
2. Replace the ESM at location Un-P1-C1. If the problem persists, replace the ESM at location Un-P1-C2. If the problem persists after you replaced both ESMs, replace the midplane assembly at location Un-P1. This ends the procedure.
3. Each ESM is having a problem communicating with the other ESM. Both reference codes may have been logged with the same resource identifier or with unique resource identifiers. Examine the fault indicators for both ESMs at locations Un-P1-C1 and Un-P1-C2.
4. If both fault indicators are active (amber LEDs are on solid) or neither of the fault indicators are active (amber LEDs are not on solid but may be blinking) go to step 6. Otherwise continue with the next step.
5. Only one of the fault indicators is active. Replace the ESM with the active fault indicator using the exchange procedure in Knowledge Center. If the problem persists, replace the other ESM. If the problem persists after you replaced both ESMs, replace the midplane assembly at location Un-P1. This ends the procedure.
6. Record the enclosure type, model and serial number of the ESM location code in one of the two service action log (SAL) entries.
7. Go to SST/DST in the logical partition that reported the problems.
8. Select Start a service tool.
9. Select Hardware service manager.
10. Select Packaging hardware resources.
11. Locate the enclosure using the type, model and serial number of the ESM that you recorded from one of the SAL entries.
12. Select the Hardware contained within package option for the disk expansion unit you recorded.

13. For each packaging resource with the description "Device Services" in locations P1-C1 and P1-C2 select the "Associated logical resource(s)" option.
14. Examine the status of both ESM resources with the description "Device Services".
15. If one of the ESM resources does not have a status of "Operational", continue with the next step. Otherwise, go to step 17.
16. Replace the ESM that does not have a status of "Operational" using the exchange procedure in Knowledge Center. If the problem persists, replace the other ESM. If the problem persists after you replaced both ESMs, replace the midplane assembly at location Un-P1. This ends the procedure.
17. Close the 78D17441 SAL entry. Go to step 2.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

78D17432

Explanation:

VPD read failure in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17441

Explanation:

The enclosure services manager (ESM) at location Un-P1-C2 failed to communicate with the ESM at location Un-P1-C1.

Response

Perform the following:

1. If reference code 78D17431 is in the service action log (SAL) with a status of "NEW" and it was logged at about the same time as this reference code and is listing FRUs for the same enclosure go to step 3. Otherwise continue with the next step.
2. Replace the ESM at location Un-P1-C2. If the problem persists, replace the ESM at location Un-P1-C1. If the problem persists after you replaced both ESMs, replace the midplane assembly at location Un-P1. This ends the procedure.
3. Each ESM is having a problem communicating with the other ESM. Both reference codes may have been logged with the same resource identifier or with unique resource identifiers.

Examine the fault indicators for both ESMs at locations Un-P1-C1 and Un-P1-C2.

4. If both fault indicators are active (amber LEDs are on solid) or neither of the fault indicators are active (amber LEDs are not on solid but may be blinking) go to step 6. Otherwise continue with the next step.
5. Only one of the fault indicators is active. Replace the ESM with the active fault indicator using the exchange procedure in Knowledge Center. If the problem persists, replace the other ESM. If the problem persists after you replaced both ESMs, replace the midplane assembly at location Un-P1. This ends the procedure.
6. Record the enclosure type, model and serial number of the ESM location code in one of the two service action log (SAL) entries.
7. Go to SST/DST in the logical partition that reported the problems.
8. Select Start a service tool.
9. Select Hardware service manager.
10. Select Packaging hardware resources.
11. Locate the enclosure using the type, model and serial number of the ESM that you recorded from one of the SAL entries.
12. Select the Hardware contained within package option for the disk expansion unit you recorded.
13. For each packaging resource with the description "Device Services" in locations P1-C1 and P1-C2 select the "Associated logical resource(s)" option.
14. Examine the status of both ESM resources with the description "Device Services".
15. If one of the ESM resources does not have a status of "Operational", continue with the next step. Otherwise, go to step 17.
16. Replace the ESM that does not have a status of "Operational" using the exchange procedure in Knowledge Center. If the problem persists, replace the other ESM. If the problem persists after you replaced both ESMs, replace the midplane assembly at location Un-P1. This ends the procedure.
17. Close the 78D17431 SAL entry. Go to step 2.

Failing Item

- [SASEXP](#)
- [DEVBPLN](#)

78D17442

Explanation:

VPD read failure in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17510

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17511

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17512

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17513

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17514

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17515

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17516

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17517

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17518

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17519

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D1751A

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D1751B

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D1751C

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D1751D

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D1751E

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D1751F

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 1 at location Un-P1-C1.

Failing Item

- [SASEXP](#)

78D17520

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17521

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17522

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17523

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17524

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17525

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17526

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17527

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17528

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17529

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D1752A

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D1752B

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D1752C

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D1752D

Explanation:

Under voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D1752E

Explanation:

Over voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D1752F**Explanation:**

Under voltage sensor error in enclosure services manager (ESM) 2 at location Un-P1-C2.

Failing Item

- [SASEXP](#)

78D17531**Explanation:**

VPD read failure in enclosure services manager (ESM).

Response

If there was a power supply problem logged at about the same time then close this SRC and work the power supply problem. Otherwise perform the following for failing item SASEXP:

Replace the ESM at location Un-P1-C1. If the problem persists, replace the ESM at location Un-P1-C2. If the problem persists after you replaced both ESMs, continue with the next failing item.

Problem determination:

A failure was detected reading ESM 1 VPD at location Un-P1-C1. The failure may have happened when ESM 2 at location Un-P1-C2 was attempting to read the VPD in ESM 1 at location Un-P1-C1. If there was a power supply problem logged at about the same time then close this SRC and work the power supply problem.

Failing Item

- [SASEXP](#)
- [DISKPWR](#)
- [DEVBPLN](#)

78D17532**Explanation:**

VPD read failure in enclosure services manager (ESM).

Response

If there was a power supply problem logged at about the same time then close this SRC and work the power supply problem. Otherwise perform the following for failing item SASEXP:

Replace the ESM at location Un-P1-C2. If the problem persists, replace the ESM at location Un-P1-C1. If the problem persists after you replaced both ESMs, continue with the next failing item.

Problem determination:

A failure was detected reading ESM 2 VPD at location Un-P1-C2. The failure may have happened when ESM 1 at location Un-P1-C1 was attempting to read the VPD in ESM 2 at location Un-P1-C2. If there was a power supply problem logged at about the same time then close this SRC and work the power supply problem.

Failing Item

- [SASEXP](#)
- [DISKPWR](#)
- [DEVBPLN](#)

78D17541**Explanation:**

VPD read failure in enclosure services manager (ESM).

Response

If there was a power supply problem logged at about the same time then close this SRC and work the power supply problem. Otherwise perform the following for failing item SASEXP:

Replace the ESM at location Un-P1-C2. If the problem persists, replace the ESM at location Un-P1-C1. If the problem persists after you replaced both ESMs, continue with the next failing item.

Problem determination:

A failure was detected reading ESM 2 VPD at location Un-P1-C2. The failure may have happened when ESM 1 at location Un-P1-C1 was attempting to read the VPD in ESM 2 at location Un-P1-C2. If there was a power supply problem logged at about the same time then close this SRC and work the power supply problem.

Failing Item

- [SASEXP](#)
- [DISKPWR](#)
- [DEVBPLN](#)

78D17542**Explanation:**

VPD read failure in enclosure services manager (ESM).

Response

If there was a power supply problem logged at about the same time then close this SRC and work the power supply problem. Otherwise perform the following for failing item SASEXP:

Replace the ESM at location Un-P1-C1. If the problem persists, replace the ESM at location Un-P1-C2. If

the problem persists after you replaced both ESMs, continue with the next failing item.

Problem determination:

A failure was detected reading ESM 1 VPD at location Un-P1-C1. The failure may have happened when ESM 2 at location Un-P1-C2 was attempting to read the VPD in ESM 1 at location Un-P1-C1. If there was a power supply problem logged at about the same time then close this SRC and work the power supply problem.

Failing Item

- [SASEXP](#)
- [DISKPWR](#)
- [DEVBPLN](#)

78D17600

Explanation:

Fan status.

78D17601

Explanation:

Fan status.

78D17603

Explanation:

Fan status.

78D17604

Explanation:

A fatal error occurred on fan 16.

Failing Item

- [DISKFAN](#)

78D17614

Explanation:

A fatal error occurred on fan 1.

Failing Item

- [DISKFAN](#)

78D17624

Explanation:

A fatal error occurred on fan 2.

Failing Item

- [DISKFAN](#)

78D17634

Explanation:

A fatal error occurred on fan 3.

Failing Item

- [DISKFAN](#)

78D17644

Explanation:

A fatal error occurred on fan 4.

Failing Item

- [DISKFAN](#)

78D17654

Explanation:

A fatal error occurred on fan 5.

Failing Item

- [DISKFAN](#)

78D17664

Explanation:

A fatal error occurred on fan 6.

Failing Item

- [DISKFAN](#)

78D17674

Explanation:

A fatal error occurred on fan 7.

Failing Item

- [DISKFAN](#)

78D17684

Explanation:

A fatal error occurred on fan 8.

Failing Item

- [DISKFAN](#)

78D17694

Explanation:

A fatal error occurred on fan 9.

Failing Item

- [DISKFAN](#)

78D176A4

Explanation:

A fatal error occurred on fan 10.

Failing Item

- [DISKFAN](#)

78D176B4

Explanation:

A fatal error occurred on fan 11.

Failing Item

- [DISKFAN](#)

78D176C4

Explanation:

A fatal error occurred on fan 12.

Failing Item

- [DISKFAN](#)

78D176D4

Explanation:

A fatal error occurred on fan 13.

Failing Item

- [DISKFAN](#)

78D176E4

Explanation:

A fatal error occurred on fan 14.

Failing Item

- [DISKFAN](#)

78D176F4

Explanation:

A fatal error occurred on fan 15.

Failing Item

- [DISKFAN](#)

78D18405

Explanation:

System log entry. SES enclosure dump created.

Problem determination:

If this SRC appears in serviceable event view then collect the dump for analysis by the next level of support if requested. Otherwise no service action is required.

Failing Item

- [DMPFILE](#)

78D1FFF4

Explanation:

Device backplane problem.

Failing Item

- [SASEXP](#)
- [SASCABL](#)
- [STORIOA](#)
- [DEVBPLN](#)

(9429) Reference codes

A tape or tape library device failure occurred.

To resolve the device failure, complete the following steps:

1. Verify that the device has power.
2. Check the device for any error indications. To resolve errors, see the device maintenance information.
3. Attempt the failing operation again. Does the operation complete successfully?

Yes: You corrected the problem. **This ends the procedure.**

No: If a reference code is in the serviceable event view, complete the service action that is indicated in the following table for the reference code.

94293000

Explanation:

I/O adapter hardware error detected.

Failing Item

- [FI00131](#)

94293202

Explanation:

Tape library configuration error.

Response

Before exchanging any parts, verify that the following conditions are not present:

- The attached tape library device type or model is only supported on an I/O adapter that is attached to an I/O processor.
- An unsupported device type or model is attached.

Failing Item

- [TAPCNFG](#)

94293400

Explanation:

Device error has occurred.

Response

Before exchanging any parts, verify that the following condition is not present:

- An unsupported device type or model is attached.

Failing Item

- [TAPCNFG](#)
- [TAPMLB](#)
- [FI01103](#)
- [FI01106](#)

94299020

Explanation:

Tape library configuration error.

Response

Before exchanging any parts, verify that the following conditions are not present:

- An unsupported device type or model is attached.

Failing Item

- [TAPCNFG](#)
- [TAPMLB](#)
- [PTFSRCH](#)

94299100

Explanation:

Interface error detected by system or by tape library.

Response

Do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape library is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [TAPMLB](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

94299101

Explanation:

Fibre Channel interface error detected.

Response

Do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. Refer to the tape library service documentation for additional problem analysis procedures.

If the attached tape library is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [FCIOA](#)
- [FCDEV](#)
- [FCCABLE](#)

94299103

Explanation:

Interface error detected by system or by tape library.

Response

Do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.

2. Ensure that the device has power.

If the attached tape library is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [TAPMLB](#)
- [FI01112](#)
- [SASCABL](#)

94299105

Explanation:

Interface error detected by system or by tape library.

Response

Do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Make sure that the network is properly configured and there is a connection to the device.

Failing Item

- [VTLNTWK](#)
- [TAPMLB](#)

94299200

Explanation:

Tape library is not responding.

Response

Do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape library is owned by a Virtual I/O Server partition refer to [Troubleshooting the Virtual I/O Server](#) to determine the parts to replace.

Failing Item

- [TAPMLB](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)

94299201

Explanation:

Tape library command timeout.

Response

Do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.
5. If the attached tape library is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item

- [TAPMLB](#)
- [FI01112](#)
- [FI00872](#)
- [DEVTERM](#)
- [MEDIA](#)

94299202

Explanation:

Tape library failed after Licensed Internal Code was loaded.

Response

Do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item

- [TAPMLB](#)
- [FI01112](#)
- [FI00872](#)

- [DEVTERM](#)

94299210**Explanation:**

Illegal or unsupported tape library response.

Failing Item

- [TAPMLB](#)
- [FI01112](#)
- [PTFSRCH](#)

94299220**Explanation:**

Hardware configuration change detected.

Response

The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

94299221**Explanation:**

I/O path change occurred.

Response

No action required. This reference code is logged for information only.

94299300**Explanation:**

Library device failure.

Failing Item

- [TAPMLB](#)

94299301**Explanation:**

Library device failure, redundancy lost.

Response

The tape library device detected a hardware failure that does not prevent the tape library device from completing the current operation.

Failing Item

- [TAPMLB](#)

94299310**Explanation:**

Licensed Internal Code for the tape library is not correct.

Failing Item

- [PTFSRCH](#)
- [TAPMLB](#)

94299320**Explanation:**

Tape library Licensed Internal Code failure.

Failing Item

- [FI00130](#)
- [TAPMLB](#)

94299355**Explanation:**

The media type is incorrect; the tape cannot be used.

Response

The tape library has detected that the specified cartridge does not have a supported media type or that the tape media is defective.

Use a different tape cartridge.

Failing Item

- [MEDIA](#)
- [TAPMLB](#)

94299500**Explanation:**

Licensed Internal Code error.

Response

If the system is operational, perform a dump of the I/O processor data.

Failing Item

- [PTFSRCH](#)

94299501**Explanation:**

Licensed Internal Code error.

Failing Item

- [PTFSRCH](#)

94299800**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

94299801**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

94299802**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

94299803**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

94299804**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

94299805**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

94299807**Explanation:**

System successfully recovered from temporary I/O error.

Response

No action required. This reference code is logged for information only.

94299900**Explanation:**

Licensed Internal Code for tape library was not upgraded.

Response

The I/O processor loading of Licensed Internal Code (LIC) to the programmable tape library was not completed.

The tape library will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform [TUPIP04](#) to reset the IOP and the tape library. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item

- [USER](#)

94299901**Explanation:**

Tape performance statistics logged.

Response

No action required. This reference code is logged for information only.

94299902**Explanation:**

An IOP dump was initiated.

Response:

No action required.

94299903

Explanation:
Tape library information logged.

No action required. This reference code is logged for information only.

Response

(A1xx) Reference codes

An A1xx system reference (attention) code is an attention code posted by the service processor. An A1xx SRC offers information about a platform or service processor dump, confirms a control panel function request, or indicates an issue with a service processor wake-on-LAN setting. The A1xx table uses the following format:

- The reference code contains numbers that identify a particular action your server performs during initialization of firmware.
- The description offers a brief description about this SRC. It may also contain instructions for continuing the problem analysis.
- The FRU List offers a link to instructions or service actions for recovering from a hang on an attention code. Click the FRU List only when you experience a hang condition on an attention code. For example, a hang condition occurs when your server performs a requested action but the SRC in the control panel display does not change for several minutes and the service processor appears to be hung.

A1003000

Explanation:

Informational message: the platform dump was successful. If the system hangs on this progress code, perform [FSPSPC1](#).

A1003001

Explanation:

Reserved (for platform dump). If the system hangs on this progress code, perform [FSPSPC1](#).

A1003022

Explanation:

Confirm partition dump (control (operator) panel function 22).

Response:

The control panel displays this attention code after you request a partition dump (panel function 22). When you see this code, scroll to function 22 again on the panel and press **Enter** to perform the partition dump. If the system hangs on this progress code, perform [FSPSPC1](#).

A1003042

Explanation:

Confirm platform dump (control panel function 42)

Response:

The control panel displays this attention code after you request a platform dump (panel function 42). When you see this code, scroll to function 42 again on the panel and press **Enter** to perform the platform dump. If the system hangs on this progress code, perform isolation procedure [FSPSPC1](#).

A1003043

Explanation:

Confirm service processor dump (control panel function 43)

Response:

The control panel displays this attention code after a service processor dump (panel function 43) is requested. When you see this code, scroll to function 43 again on the panel and press **Enter** to perform the service processor dump. If the system hangs on this progress code, perform isolation procedure [FSPSPC1](#).

A1008003

Explanation:

Confirm restart IPL control (operator) panel function 03.

Response:

The control panel displays this attention code after a restart IPL (panel function 03) is requested. When this SRC is displayed, scroll to function 03 again on the panel and press enter to perform the restart IPL. If the system hangs on this progress code, perform isolation procedure [FSPSPC1](#).

A1008008

Explanation:

Confirm fast power-off (control panel function 08)

Response:

This attention code is displayed on the control panel after you request a fast power-off (panel function 08). When you see this code, scroll to function 08 again on the panel and press **Enter** to perform the fast power-off. If the system hangs on this progress code, perform isolation procedure [FSPSPC1](#).

A1008009

Explanation:

Beginning emergency power off (EPO) countdown. If the system hangs on this progress code, perform isolation procedure [FSPSPC1](#).

A100800A**Explanation:**

Proceeding with EPO. This SRC displays after the countdown has completed successfully. If the system hangs on this progress code, perform isolation procedure [FSPSPC1](#).

A1703000**Explanation:**

A user-initiated Platform System Dump was requested.

A181D000**Explanation:**

The hypervisor did not respond to a ROLE or FAILOVER message. If the system hangs on this progress code, perform isolation procedure [FSPSPC1](#).

(A2xx) Reference codes

No service action is required.

A2002250**Explanation:**

A problem occurred during the IPL of a partition.

Response:

The partition ID is in extended word one as LP=xxx in decimal format. A slot that was needed for the partition was unavailable. See the Symbolic FRU SLOTUSE for more information on the cause of this error.

Failing Item

- [SLOTUSE](#)

A2002300**Explanation:**

A problem occurred during the IPL of a partition.

Response:

The partition ID is in extended word one as LP=xxx in decimal format. A slot that was needed for the partition was unavailable. See the Symbolic FRU SLOTUSE for more information on the cause of this error.

Failing Item

- [SLOTUSE](#)

A2002310**Explanation:**

A181D001**Explanation:**

The hypervisor did not post an Xdown interrupt when a reset/reload occurred. If the system hangs on this progress code, perform isolation procedure [FSPSPC1](#).

A1A3C100**Explanation:**

Invalid operational mode for remote power on (wake onLAN)

Response:

Check the service processor settings for remote power on. If the system hangs on this progress code, perform isolation procedure [FSPSPC1](#).

A problem occurred during the IPL of a partition.

Response:

The partition ID is in extended word one as LP=xxx in decimal format. The platform LIC for this partition attempted an operation. There was a failure. Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A2002320**Explanation:**

A problem occurred during the IPL of a partition.

Response:

The partition ID is in extended word one as LP=xxx in decimal format. The platform LIC for this partition attempted an operation. There was a failure. Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A2002425**Explanation:**

A problem occurred during the IPL of a partition.

Response:

The partition ID is in extended word one as LP=xxx in decimal format. The platform LIC for this partition

attempted an operation. There was a failure. Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A2002426

Explanation:

A problem occurred during the IPL of a partition.

Response:

The partition ID is in extended word one as LP=xxx in decimal format. The platform LIC for this partition attempted an operation. There was a failure. Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A2002475

Explanation:

A problem occurred during the IPL of a partition.

Response

The partition ID is in extended word one as LP=xxx in decimal format. A slot that was needed for the partition was either empty or the device in the slot has failed. See the Symbolic FRU SLOUSE for more information on the cause of this error.

If you have a RAID enablement card (CCIN 5709) on your system, it will disable an embedded SCSI adapter. If that embedded slot is called out in the error, you can safely ignore this error.

Failing Item

- [SLOUSE](#)

A2002477

Explanation:

A problem occurred during the IPL of a partition.

Response:

No service action required.

A2002479

Explanation:

A problem occurred during the IPL of a partition.

Response:

No service action required.

A2002485

Explanation:

A problem occurred during the IPL of a partition.

Response:

The partition ID is in extended word one as LP=xxx in decimal format. The platform LIC for this partition attempted an operation. There was a failure. Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A2002820

Explanation:

A problem occurred during the IPL of a partition.

Response:

No service action required.

A2002830

Explanation:

A problem occurred during the IPL of a partition.

Response:

No service action required.

A2002840

Explanation:

A problem occurred during the IPL of a partition.

Response:

No service action required.

A2002850

Explanation:

A problem occurred during the IPL of a partition.

Response:

No service action required.

A2002875

Explanation:

A problem occurred during the IPL of a partition.

Response:

No service action required.

A20028B0

Explanation:

A problem occurred during the IPL of a partition.

Response:

No service action required.

A20028C0

Explanation:

A problem occurred during the IPL of a partition.

Response:

No service action required.

A2003123

Explanation:

System log entry only, no service action required

A2006068**Explanation:**

An update of adapter firmware or firmware managing system resources is available.

A2006070**Explanation:**

The mapping load identifier changed for a firmware resource.

A2006072**Explanation:**

The Physical Function firmware resource configuration load identifier changed.

A2006074**Explanation:**

The Virtual Function firmware resource configuration load identifier changed.

A2006076**Explanation:**

A firmware resource configuration load identifier changed.

A2006078**Explanation:**

A firmware resource load identifier changed.

A2008080**Explanation:**

System log entry only, no service action required

Response:

No service action required.

A2008108**Explanation:**

A problem occurred during the IPL of a partition.

A200811F**Explanation:**

The IPL of a partition has been stopped for debug.

Response:

No service action required.

A2009005**Explanation:**

A system firmware resource is waiting for a parent partition to indicate that it is ready for the system firmware resource to become active.

Response:

No service action required.

A2009010**Explanation:**

A problem occurred during the IPL of a partition.

A2009015**Explanation:**

The IPL of a partition is waiting during recovery of memory.

A2009020**Explanation:**

A problem occurred during the IPL of a partition.

A2009030**Explanation:**

The IPL of a partition is waiting for reserved memory.

A2009040**Explanation:**

The IPL of a partition is waiting for an adapter physical function to become available.

A2009050**Explanation:**

The IPL of a partition is waiting for an adapter virtual function to become available.

A2009055**Explanation:**

The IPL of a partition is waiting firmware resources to become available.

A2009060**Explanation:**

The firmware is dumping migration memory.

A2009065**Explanation:**

The firmware is waiting for a coherently attached accelerator to report ready.

A2009070**Explanation:**

The firmware is waiting for a valid Universal Unique Identifier (UUID).

A200A205**Explanation:**

The firmware is waiting for a the power off message from the partition.

A200B07B**Explanation:**

System log entry only, no service action required

Response:

No service action required.

A200C220

Explanation:

A problem occurred during the IPL of a partition.

A200C225**Explanation:**

A problem occurred during the IPL of a partition.

A200C230**Explanation:**

A problem occurred during the IPL of a partition.

A2D03000**Explanation:**

User-initiated immediate termination and MSD of a partition.

Response:

No service action required.

A2D03001**Explanation:**

User-initiated RSCDUMP of RPA partition's PFW content.

Response:

No service action required.

A2D03002**Explanation:**

User-initiated RSCDUMP of IBM i partition's SLIC bootloader and PFW content.

Response:

No service action required.

A2D03004**Explanation:**

User-initiated LPADUMP for the firmware resource.

A2D03005**Explanation:**

User-initiated non-disruptive LPADUMP for the firmware resource.

A2D03006**Explanation:**

User-initiated update of adapter firmware or firmware update of the firmware managing system resources.

A2D03008**Explanation:**

User-initiated forced termination and MSD of a partition.

A2D03010**Explanation:**

The Hypervisor initiated an LPADUMP.

(A6xx) Reference codes

A6000000**Explanation:**

Operating system status code.

Response

This reference code is for information only. It is shown in the Product activity log as a side effect of a condition that was detected by LIC.

Normally, no action should be taken as a result of information reference codes. However, to isolate the root cause, use these suggestions:

1. Examine the date and time of the informational reference code.
2. Determine if any other reference codes have been logged at or before the same date and time.
3. Begin the service approach based on these other logged errors.

A6000102**Explanation:**

A machine check occurred during IPL.

Response

Words 2 to 9 of this SRC contain additional diagnostic information. Record SRC words 1 through 9 before attempting to IPL again and report the problem to your Software Service Provider.

A6000103**Explanation:**

Main storage dump must be copied for service.

Failing Item

- [LICIP01](#)

A6000104**Explanation:**

Terminate Immediate reference code is bad.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000105**Explanation:**

More than one request to terminate the system was issued.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000106

Explanation:

Terminate Immediate data is not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000107

Explanation:

Main storage dump must be copied for service.

Response

The server detected an unrecoverable machine check condition.

Collect all the words of the SRC and the main store dump and send to your system manufacturer for analysis.

A6000109

Explanation:

An unrecoverable memory error occurred.

Response

Re-IPL the partition that terminated. Then, look for and correct errors with SRCs of the form B1xxxxxx in the Serviceable Event View that indicate the replacement of memory in the failing item list. If there are no B1xxxxxx SRCs in the Serviceable Event View that indicate a memory problem, perform a slow boot by using Performing a slow boot in order to run diagnostics on the memory. Then, look for and correct errors with SRCs of the form B1xxxxxx in the Serviceable Event View.

Failing Item

- [SVCDOCS](#)

A6000202

Explanation:

Unrecoverable read error.

Response

Restore the Licensed Internal Code using [Utilities to install and restore IBM i Licensed Internal Code](#).

A6000208

Explanation:

Storage Management early IPL failure.

Response:

A critical error occurred during Storage Management early IPL initialization. Contact your next level of support for assistance, and investigate the extended SRC data for details about the failure. Determine if the error can be corrected with configuration changes. If the problem cannot be corrected, obtain the SRC history, and submit an Authorized Problem Analysis Report (APAR).

A6000210

Explanation:

The system ASP has run out of disk storage.

Response:

The out of storage condition in the system ASP can be caused by an allocation failure in some other system software. This could be a looping condition that continues to allocate storage. Contact your service representative for assistance with the Main Storage Dump.

A6000231

Explanation:

Disk sanitize action completed successfully.

Response:

No service action required. This entry is logged for information only.

A6000232

Explanation:

Disk sanitize action did not complete successfully.

Response:

Provide the Product Activity Log entry to your next level of support for analysis.

A6000244

Explanation:

Contact was lost with the device indicated.

Response

Do not power off the system.

Perform the procedure indicated in the failing item list.

Failing Item

- [LICIP13](#)
- [FI00580](#)
- [FI00500](#)
- [FI00302](#)
- [FI00301](#)
- [AJDG301](#)

A6000255

Explanation:

Contact was lost with the device indicated.

Response

Do not power off the system.

Perform the procedure indicated in the failing item list.

Failing Item

- [LICIP13](#)
- [FI00580](#)
- [FI00500](#)
- [FI00302](#)
- [FI00301](#)
- [AJDG301](#)

A6000266

Explanation:

Contact was lost with the device indicated.

Response

Do not power off the system.

Perform the procedure indicated in the failing item list.

Failing Item

- [LICIP13](#)
- [FI00580](#)
- [FI00500](#)
- [FI00302](#)
- [FI00301](#)
- [AJDG301](#)

A6000299

Explanation:

Informational LIC state SRC.

A6000302

Explanation

Recursion in exception handler.

This SRC is an IBM i software event. If this SRC was reported as a serviceable event or if this SRC appears on the IBM i LPAR's panel then report the SRC as an IBM i software problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000304

Explanation:

Component specific exception handler return code not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000305

Explanation:

Exception while storage management lock is held.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000307

Explanation:

LIC exception code detected a problem.

Response

Component Specific Exception Handler recursion is detected in an IBM i Operating System process.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000308

Explanation:

LIC exception code detected a problem.

Response

Component Specific Exception Handler recursion is detected in an IBM i Operating System process.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000317

Explanation:

Traceback for code not found.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000323

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000324

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000325

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000326

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000327

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000328

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000329

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000333

Explanation:

A branch to a bad address was attempted.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000334

Explanation:

Exception Handler could not be removed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000335

Explanation:

Code resumed to not valid address following exception.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000336

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000401**Explanation:**

A machine check occurred during IPL.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000402**Explanation:**

A machine check occurred during authority initialization.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000403**Explanation:**

Unhandled exception during IPL or install.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000405**Explanation:**

Unhandled exception in authority recovery.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000406**Explanation:**

Unhandled exception in data base recovery.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000407**Explanation:**

Unhandled exception in data base initialization.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000408**Explanation:**

Unhandled exception in journal recovery.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000409**Explanation:**

Unhandled exception in journal synchronization.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000410**Explanation:**

Unhandled exception in journal clean up.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000411**Explanation:**

Unhandled exception in commit recovery.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000412**Explanation:**

Unhandled exception in commit initialization.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000413**Explanation:**

Rebuild of recovery object index failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000414**Explanation:**

Install of operating system failed on read from media.

Failing Item

- [LICIP08](#)
- [FI00300](#)

A6000415**Explanation:**

Create user profile failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000417**Explanation:**

Initiating the initial process failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000418**Explanation:**

The information loaded from the install media is not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000419**Explanation:**

The information loaded from the install media is not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000420**Explanation:**

The information loaded from the install media is not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000421**Explanation:**

Bad return code creating a queue or message.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000422**Explanation:**

The Load/Dump command failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000439**Explanation:**

Opening the IPCF connection failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000440**Explanation:**

Termination code is not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000441**Explanation:**

Power off system command failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000443**Explanation:**

Programmed IPL command failure.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000446

Explanation:

Error during machine termination.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000447

Explanation:

Failure to reach MI boundary.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000449

Explanation:

Exception in MI boundary manager.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000506

Explanation:

Attempt to destroy a task with critical flag on.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000507

Explanation

A critical process terminated. This SRC will be in the LPAR's panel.

LIC detected an attempt to terminate a process with its critical flag set to ON. Normally this process will be SCPF.

This is a secondary affect of the process termination request for a critical process that was caused by a system error condition that began process termination. The system error condition that began process

termination is most commonly a storage error or LIC exception handling.

Response:

Perform [LICIP08](#) - save and send in the Main Store Dump, collect LIC and Product Activity Logs.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000607

Explanation:

Maximum stack size exceeded in process or task.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000620

Explanation:

Event management index is not usable.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6000650

Explanation:

Resource management segment could not be created or extended.

Response

A main store dump was initiated.

Words 2 to 9 of this SRC contain additional diagnostic information. Record SRC words 1 through 9.

Perform a system IPL and collect the Product activity log and main store dump and provide them along with the recorded SRC information to IBM Service Support.

The problem may also be that there is not enough auxiliary storage.

Failing Item

- [AJDG301](#)

A6000801

Explanation:

Invalid LID directory detected.

Response

During system IPL, the LIDMgr detected an I/O failure or media failure while trying to read the LID directory.

Failing Item

- [LICIP08](#)
- [FI00070](#)
- [FI00300](#)
- [AJDG301](#)

A6000802

Explanation:

LID directory unusable.

Response

During system IPL, the LIDMgr detected that the LID directory and associated Load Source is not usable.

Reinstall the Licensed Internal Code by using [Utilities to install and restore IBM i Licensed Internal Code](#).

For more information, contact IBM Service Support.

Failing Item

- [AJDG301](#)

A6000901

Explanation:

The LinkLoader has found its bad flag ON.

Response

This reference code is usually the result of a system termination while the LinkLoader is performing its work.

Reinstall the Licensed Internal Code by using [Utilities to install and restore IBM i Licensed Internal Code](#).

A6000902

Explanation:

Unable to perform programmed IPL.

Response

The LinkLoader was not successful in performing a programmed IPL.

Perform a system IPL. If the problem persists, examine the main storage dump and determine the reason for the failure of the programmed IPL.

A6000903

Explanation:

The LinkLoader was not able to allocate a segment.

Response:

Perform the D mode IPL again. If the problem persists, there might be a memory problem. Contact your next level of support.

A6000904

Explanation:

The LinkLoader was not able to load a critical LID.

Response:

Perform the D mode IPL again. If the problem persists, contact your next level of support.

A6001001

Explanation:

Enqueueing a task to the TDQ which is already enqueued on TDQ.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6001103

Explanation:

MISR not readable; must be readable for Normal Mode install.

Response

MISR is not readable. Perform a manual install to reinitialize the system.

A6001104

Explanation:

Failure reading media or not install media.

Response

Determine that correct install media is loaded. If correct install media is installed, media could be corrupt. Obtain another copy of the install media and re-attempt the install. If the install still fails, contact your service representative.

A6001201

Explanation:

Critical database segment could not be created.

Failing Item

- [LICIP08](#)

- [AJDG301](#)

A6001204**Explanation:**

Error in constraint enforcement.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6001210**Explanation:**

Object not found in the in-use table.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6001215**Explanation:**

Error in critical code sequence.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6001219**Explanation:**

A back leveled driver has been detected.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6001604**Explanation:**

Not able to create APPN task.

Response

An error occurred during task creation which requires a power off of the system.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6001724**Explanation:**

An attempt to create a segment failed.

Response

The create could fail for two reasons:

- A code problem. Perform the procedure indicated in the failing item list.
- No free auxiliary storage on the system. Add additional DASD if the create failed because no auxiliary storage was available.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6001730**Explanation:**

An IPL is needed to restore system performance.

Response

Licensed Internal Code has detected a condition that is impacting system performance. System operation can continue, but system performance may be noticeably reduced until the next IPL.

Look at the Product Activity Log entry, and find the value at offset x'000180'. If the value equals x'00000122', the error was caused by too much processor memory being installed.

For more information, contact IBM Service Support.

Failing Item

- [UPLF1](#)

A6003000**Explanation:**

LPAR service function directed a Main Storage Dump.

Response:

Copy the current main storage dump to media. For more information on how to copy a Main Storage Dump, refer to [Copying a main storage dump](#).

Failing Item

- [AJDG301](#)

A60041FC**Explanation:**

Installation of LIC failed.

Response

Words 12 and 13 of this SRC contain additional diagnostic information.

Install LIC using physical media.

To determine what caused the failure, collect SRC information and contact your next level of support.

Failing Item

- [SVCDOCS](#)

A60041FD

Explanation:

Installation of LIC failed.

Response

A main store dump was initiated. Words 12 and 13 of this SRC contain additional diagnostic information.

To recover the partition using the previously installed LIC, perform a B-mode IPL. You can then re-try the installation of LIC. Otherwise, install LIC using physical media.

To determine what caused this failure, collect SRC information and main store dump and contact your next level of support.

Failing Item

- [SVCDOCS](#)

A6004401

Explanation:

Missing DASD units.

Response

Copy the current main storage dump to media.

For more information on how to perform a Main Storage Dump, refer to [Copying a main storage dump](#).

A6004402

Explanation:

Missing DASD units.

Response

Copy the current main storage dump to media. Then exit the Main Storage Dump Manager.

For more information on how to perform a Main Storage Dump, refer to [Copying a main storage dump](#).

A6004403

Explanation:

Storage Management failed to reach full paging.

Response

Copy the current main storage dump to media.

For more information on how to perform a Main Storage Dump, refer to [Copying a main storage dump](#).

A6004404

Explanation:

Auto copy failed or not attempted.

Response

Copy the current main storage dump. If copying to system ASP, existing copies may need to be deleted or renamed. Then exit the Main Storage Dump Manager.

For more information on how to perform a Main Storage Dump, refer to [Copying a main storage dump](#).

A6004405

Explanation:

System ASP threshold exceeded after auto copy done.

Response

Delete other system ASP copies or exit the Main Storage Dump Manager and then from DST copy the Auto Copy to media and then delete the Auto Copy in system ASP.

A6004420

Explanation:

MSD Manager not configured to save dump information.

Response:

The platform produced dump data, but the Main Storage Dump (MSD) Manager was not configured to automatically copy the dump to an Auxiliary Storage Pool (ASP). The dump will be lost if the system power is lost. Use MSD Manager to manually copy the current platform dump to media or an ASP.

A6004421

Explanation:

Insufficient space in the ASP to store a platform dump.

Response

The platform produced dump data, and the Main Storage Dump (MSD) Manager was configured to

automatically copy the dump to an Auxiliary Storage Pool (ASP), but there was not sufficient free space available in the ASP. The dump will be lost if the system power is lost. Manually copy the current platform dump from the platform by performing one of the following:

- Make room in the designated ASP and then use the MSD Manager to copy the current platform dump to ASP.
- Use the MSD Manager to delete other dump copies, then copy the current platform dump to ASP.
- Use the MSD Manager to copy the current platform dump to a different ASP.
- Use the MSD Manager to copy the current platform dump to media.

A6004422**Explanation:**

A platform dump is saved in MSD Manager.

Response:

The platform produced dump data. The dump data was copied to the Main Storage Dump (MSD) Manager.

Failing Item

- [PLDUMP](#)

A6004700**Explanation:**

Processor On Demand error detected.

Response

Processor on Demand Data Block key is not valid.

Replace the Processor Capacity card.

Failing Item

- [CTLPNCD](#)

A6004701**Explanation:**

Processor On Demand error detected.

Response

Processor On Demand Data Block contains data that does not match the expected data.

Contact your service provider.

Failing Item

- [AJDG301](#)

A6004703**Explanation:**

Processor On Demand error detected.

Response

Processor On Demand Serialization has failed during IPL.

Contact your service provider.

Failing Item

- [AJDG301](#)

A6004710**Explanation:**

Processor On Demand error detected.

Response

SPCN communication failure during Processor On Demand.

Look in the Product Activity Log for other SPCN errors and perform the actions indicated for those errors.

Failing Item

- [SPNLCRD](#)

A6004712**Explanation:**

Processor On Demand error detected.

Response:

Correct any Processor Capacity card or SPCN failures.

Failing Item

- [CTLPNCD](#)

A6004713**Explanation:**

Incorrect Processor Capacity Card installed.

Response

The Processor Capacity Card is the failing item since it has been swapped in from a different system.

Put the Processor Capacity Card back in the system it came from, and reinstall this system's original Processor Capacity Card.

Failing Item

- [CTLPNCD](#)

A6004714

Explanation:

The CUoD data is not present. A problem may exist.

Response

The Processor Capacity Card was changed and there may be a problem.

If the system did have any activated standby processors before the Processor Capacity Card was replaced, then new processor on demand activation codes must be obtained to restore the previous activations.

Contact your service provider.

A6004715

Explanation:

Processor On Demand error detected.

Response:

Correct any Processor Capacity card or SPCN failures.

Failing Item

- [CTLPNCD](#)

A6004730

Explanation:

Processor On Demand error detected.

Response

Processor On Demand standby processors are in use.

Contact your service provider.

Failing Item

- [AJDG301](#)

A6004731

Explanation:

Processor On Demand error detected.

Response:

The Processor On Demand Trial Activation period is not valid. Contact your next level of support.

Failing Item

- [AJDG301](#)

A6004733

Explanation:

Processor On Demand error detected.

Response:

Contact your service provider.

Failing Item

- [AJDG301](#)

A6004740

Explanation:

Processor On Demand error detected.

Response

The Processor On Demand Activation code just entered is not valid.

Contact your next level of support.

Failing Item

- [AJDG301](#)

A6004741

Explanation:

Processor On Demand error detected.

Response:

An invalid Processor On Demand Activation code has been entered more than 5 consecutive times. Contact your service provider.

Failing Item

- [AJDG301](#)

A6004745

Explanation:

Processor Capacity card replaced on activated POD system.

Response:

Contact IBM Support to order a replacement Processor On Demand activation code.

A6004747

Explanation:

1 hour left in POD 14 day Trial Activation Period.

Response:

If a new activation code was purchased, it should be entered now. Otherwise, the system will revert back

to its previous activation state at the end of the Trial Activation Period.

A6005001**Explanation:**

DST received no response from a work station controller.

Response

The workstation I/O processor for the system or partition console did not respond.

Failing Item

- [RTRIP01](#)
- [FI00380](#)
- [AJDG301](#)

A6005002**Explanation:**

DST problem attempting to use the system console.

Response

A code problem occurred during an attempt to use the system console.

Failing Item

- [LICIP03](#)
- [AJDG301](#)
- [FI00380](#)

A6005003**Explanation:**

Service program failed.

Response

The ASCII system console failed to respond.

Failing Item

- [FI00320](#)
- [FI00602](#)
- [USER](#)
- [AJDG301](#)
- [FI00380](#)

A6005004**Explanation:**

DST console failed to respond.

Response

The system console failed to respond.

Failing Item

- [RTRIP02](#)
- [FI00320](#)
- [FI00602](#)
- [USER](#)
- [AJDG301](#)
- [FI00380](#)

A6005005**Explanation:**

Service program failed.

Response

The workstation adapter system console failed to respond.

Failing Item

- [WSAIP01](#)
- [FI00320](#)
- [FI00602](#)
- [USER](#)
- [AJDG301](#)
- [FI00380](#)

A6005007**Explanation:**

Service program failed.

Response

The workstation adapter console failed to respond.

Failing Item

- [RTRIP07](#)
- [FI00320](#)
- [FI00602](#)
- [USER](#)
- [AJDG301](#)
- [FI00380](#)

A6005008**Explanation:**

DST console failed to respond. If an IPL did not find a console and if the console type is set to anything except a 1, the system will display code A6005008.

Response

If you just replaced the LAN adapter associated with Operations Console (LAN), you need to wait at least 35 minutes for the system to find and use the new LAN adapter. In this case, when the system is satisfied, it starts using the new adapter. The console should start, and the SRC is no longer shown.

If you are attempting to use a twinaxial console the only data relevant in this SRC is word 6. Use the information in the list below for the meaning of word 6 to determine the twinaxial failure. The first 4 characters of word 6 contains the last 4 characters of the original failure type. For example, if word 6 contained 50010001, the twinaxial-related SRC would be A6005001 and the console type is set to use a twinaxial console. Refer to that SRC. Word 6 in the form of xxxx yy zz means the following:

- xxxx where:
 - The twinaxial-related SRC is represented by the first 4 characters.
- yy where:
 - 0A = No console tagged
- zz where:
 - 00 = Not defined by user (old default value)
 - 01 = Twinaxial
 - 02 = Operations Console (Direct) (obsolete)
 - 03 = Operations Console (LAN)
 - 04 = Hardware Management Console (HMC) or Thin Console

If you are attempting to use Operations Console, the local console on a network uses words 3, 4, and 5. Use words 3 through 5 to select the appropriate section in the following list.

1. Word 3 is "1": No supported HW detected or HW detected is not expected (for example, you replaced the LAN IOA so the serial number is different) In some cases the serial number of the expected adapter may be shown in word 5.
2. Word 3 is "2": The LAN IOA failed to report.
3. Word 3 is "3": Hardware error. Common error codes in word 4:
 - 53001A80 and 53002AC0: Network, cable or the LAN adapter may not be operational. Word 5 may contain the card position or serial number of the adapter.

- 00000000: This error code indicates the adapter reported but has not been initialized yet. This is not considered an error, at this time. The adapter should be activated shortly. Word 5 may contain the card position or serial number of the adapter.
- CC10031A: Adapter was activated but did not reach LinkUp state. The card was given more than a minute to link up to its partner (probably a switch) and it didn't do so. Likely conditions:
 - The cable is unplugged on one end or the other, or is defective.
 - The switch port is not operational.

Once this error code is received, the problem will not resolve itself until something restarts the device driver. Word 5 may contain the card position or serial number of the adapter.

- For other error codes contact your service provider. Word 5 may contain the card position or serial number of the adapter.
4. Word 3 is "4": BOOTP status: Word 4 contains the number of attempts. If attempts are zero, then BOOTP is ready, when called. If attempts have a value, then the PC did not respond. Word 5 may contain the card position or serial number of the adapter.
 5. Word 3 is "5": The system's LAN connection is active but the PC failed to connect. Are the PC and system on the same network and using the same protocol? Can the PC ping the system? (ping serverhostname). Word 4 contains the IP address. Word 5 may contain the card position or serial number of the adapter.

Problem determination

Look at words 3-8 on the console. If words 3-5 are non-zero the failing item is most likely an ASYNC card. If words 6-8 are non-zero the failing item is most likely a LAN card.

Word 7 meanings for the failure identified:

- 1 Async card not detected.
- 2 No cables detected. Word 8 is the Card position. Word 9 is the card type.
- 3 Wrong cable detected. Word 8 is the card position. Word 9 is the cable ID.
- 4 Port in use. Word 8 is the card position. Word 9 is the card type.
- FA Not configured for direct cable

Note: It is expected that a D-mode IPL with a new load source direct access storage device (DASD) will show the console type value of 00. Examples of when this can occur might be that the copy of data from a

failing DASD did not copy all data or you are installing a new logical partition. Also, there are times when the DASD is late reporting and the console type value was not retrieved in time. In these cases you can use the console service function to set a console type value or attempt to contact the console again.

Failing Item

- [OPCIP03](#)
- [FI00719](#)

A6005010

Explanation:

IPL service function ended abnormally.

Failing Item

- [LICIP04](#)
- [AJDG301](#)

A6005014

Explanation:

DST status. The Storage Management Dual Path Information Screen option to dump data to a PAL has completed successfully.

A6005015

Explanation:

DST error. An error has occurred gathering data for the Storage Management Dual Path Information Screen option to dump data to a PAL. Contact your next level of support or hardware service provider.

Failing Item

- [NEXTLVL](#)

A6005082

Explanation:

DST lost contact with the console.

Response

A service program lost contact with the system console.

Failing Item

- [RTRIP03](#)
- [AJDG301](#)
- [USER](#)

A6005083

Explanation:

IPL service function ended abnormally.

Response

A service program lost contact with the system console.

Failing Item

- [TWSIP01](#)
- [AJDG301](#)
- [USER](#)

A6005090

Explanation:

System startup failed in unattended IPL mode.

Response

Perform the following:

- If reference code A6xx5090 is displayed on the control panel for more than 10 minutes, perform the procedure indicated in the failing item list.
- For reference code B6xx5090, perform the procedure indicated in the failing item list.

Failing Item

- [LICIP11](#)
- [FI00580](#)
- [FI00500](#)
- [FI00301](#)
- [FI00021](#)
- [FI00065](#)
- [AJDG301](#)

A6005092

Explanation:

System is in DASD migration mode.

Response

Install Licensed Internal Code and Upgrade Load Source was specified but the key is not in the manual position. Change the key position to manual and perform a system IPL.

A6005094

Explanation:

IASP detected a failure during the vary on operation.

Failing Item

- [LICIP12](#)

A60050A0**Explanation:**

Operation panel function 21 was used to get the "ServiceDocs" information, typically for when the system is not responsive. The system is somewhere in the process of gathering that information for service. The data is dumped to 0C00 550x LIC logs instead of through a main store dump. It is expected that the generated LIC logs will be sent in and used in diagnosis of the system.

A60050FF**Explanation:**

DST unrecoverable program error.

Failing Item

- [LICIP03](#)
- [AJDG301](#)
- [FI00380](#)

A6005120**Explanation:**

System LIC detected a program exception.

Response

System LIC detected a programming problem. If performance or other system degradation is occurring, the system may be operating with reduced resources.

Check the Product activity log for related entries. If this reference code is logged with an error class of Informational, then no action is required.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [LICIP01](#)
- [AJDG301](#)
- [FI00130](#)

A6005121**Explanation:**

LIC program exception occurred.

Response

System LIC detected a programming problem for which a main storage dump may have been initiated. Collect the dump if available.

A problem log entry may be generated for this refcode.

Failing Item

- [LICIP01](#)
- [AJDG301](#)

A6005122**Explanation:**

LIC program exception occurred.

Response

System LIC detected an IOP programming problem for which an IOP dump may have been initiated.

Failing Item

- [LICIP01](#)
- [FI00130](#)
- [AJDG301](#)
- [FI00131](#)

A6005123**Explanation:**

LIC program exception occurred.

Response

System LIC detected an interface problem with the IOP or an IOP programming problem for which an IOP and main storage dump may have been initiated.

Failing Item

- [LICIP01](#)
- [FI00130](#)
- [AJDG301](#)
- [FI00131](#)

A6005126**Explanation:**

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DISKTRY](#)
- [FI01106](#)
- [FI01140](#)
- [FI01141](#)
- [DEVTERM](#)
- [BACKPLN](#)

A6005127**Explanation:**

IOP timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [FI01106](#)
- [DISKTRY](#)
- [FI01140](#)
- [FI01141](#)
- [DEVTERM](#)
- [BACKPLN](#)

A6005128**Explanation:**

I/O processor failure.

Failing Item

- [FI01112](#)
- [FI01107](#)

A600512D**Explanation:**

An IOP dump was initiated.

Response

Copy the IOP dump entry and any related entries from the Product Activity Log to suitable media, and give to an IBM service representative.

A600512E**Explanation:**

LIC program exception occurred.

Response

The system was in a D IPL mode when the problem was detected. A main storage dump was not taken.

Failing Item

- [LICIP01](#)
- [AJDG301](#)
- [FI00130](#)

A6005192**Explanation:**

Insufficient entitled memory for the I/O configuration.

Response:

Use the hardware management console to increase the entitled memory capacity of the partition and restart the I/O adapter. To restart a storage I/O adapter, use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. To restart a communications I/O adapter, vary the line off and vary it on using the vary configuration (VRYCFG) command.

Failing Item

- [SVCDPCS](#)

A6005193**Explanation:**

Virtual adapter not supported in a shared memory partition.

Response:

Use the hardware management console to remove the virtual adapter from the partition.

Failing Item

- [SVCDPCS](#)

A6005194**Explanation:**

Insufficient entitled memory for the I/O configuration.

Response:

Use the hardware management console to increase the entitled memory capacity of the partition and restart the partition.

Failing Item

- [SVCDPCS](#)

A6005206**Explanation:**

System LIC detected a missing IOP LIC code load.

Response

System LIC detected a missing IOP LIC code load during IPL of the IOP. This indicates that either the IOP code load is not installed on the system Load Source device or that system LIC was unable to successfully read that load from the Load Source device.

Failing Item

- [LICIP01](#)
- [USER](#)

A6005209

Explanation:

System LIC detected an IOP timeout during IOP IPL.

Response

Verify that all IOP cable connections are secure, and check tape and other non-disk devices and media to verify that they are in a ready state.

Failing Item

- [LICIP01](#)
- [USER](#)
- [FI00130](#)
- [AJDG301](#)

A6005219**Explanation:**

LIC program exception occurred.

Response

An IOP signaled to system LIC that it had entered a critical internal state. LIC automatically attempted to restart the IOP.

This reference code is logged for information only. No action is required.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [FI00310](#)
- [FI00318](#)
- [FI00065](#)
- [FI00130](#)
- [AJDG301](#)

A6005275**Explanation:**

The system issued a reset/reload to the IOP.

Response

System Licensed Internal Code detected that an IOP Reset/Reload has occurred, and that the IOP successfully recovered.

Users who were signed on to a Workstation device under the IOP will need to sign back on. Any LAN/WAN communications lines under the IOP will need to be

restarted. Tape/Optical devices under the IOP may need to be varied back on.

To determine the cause of the IOP Reset/Reload, check the Product Activity Log for additional entries logged with the same System Log ID, and perform any actions indicated for those errors.

A6005276**Explanation:**

IOP Reset was issued.

Response

LIC has detected a problem with the Service Processor IOP and has reset it but has not initiated reload of the Service Processor.

If the Load Source is mirrored, some system operations may be able to continue normally. However, some system service operations have been suspended and the system should be scheduled for power down as soon as possible.

Failing Item

- [RTRIP08](#)
- [AJGLD01](#)
- [AJDG301](#)
- [FI00021](#)

A6005310**Explanation:**

LIC program exception occurred.

Response:

System LIC detected a logical partition configuration data consistency error. Copy the Product Activity Log data for this error and any related entries and contact your next level of hardware service support.

Failing Item

- [LPARSUP](#)

A6005311**Explanation:**

LIC program exception occurred.

Response

LPAR configuration data does not match current system configuration. The system will not IPL past DST until the problem is corrected.

Following is a list of problems which may have caused this SRC to be reported:

- Non-configured disk unit which was previously a load source on a partitioned system.
- Load Source configuration data does not match partition for which it is being used.
- Load Source configuration data does not match system serial number for which it is being used.
- Load Source configuration data is newer than primary partition configuration data.

Failing Item

- [LPRIP01](#)
- [LPARSUP](#)

A6005312

Explanation:

LIC program exception occurred.

Response

LPAR configuration data informational error.

The LPAR configuration data was found to be in error or inconsistent on a secondary partition's Load Source. The data was automatically updated to the current system level.

A6005313

Explanation:

LIC program exception occurred.

Response

LPAR configuration data informational error.

The LPAR configuration data was found to be inconsistent on a primary partition and could only be corrected with an older copy of the data.

Failing Item

- [LPARCFG](#)

A6005340

Explanation:

Secondary partition not running at optimum.

Response:

Check the Primary partition's Product Activity Log for system processor entries from approximately the same time. Perform the actions indicated for those entries.

A6005341

Explanation:

Secondary partition not running at optimum.

Response:

Check the primary partition Product Activity Log for system memory entries from approximately the same time. Perform the actions indicated for those entries.

A6005342

Explanation:

Secondary partition not running at optimum.

Response:

Check the Primary partition's Product Activity Log for system processor entries from approximately the same time. Perform the actions indicated for those entries.

A6005343

Explanation:

Secondary partition not running at optimum.

Response:

Check the Primary partition's Product Activity Log for system memory errors from approximately the same time. Perform the actions indicated for those entries.

A6005344

Explanation:

Secondary partition not running at optimum.

Response

The interactive performance specified in the configuration data for this partition could not be met.

Contact your next level of support.

Failing Item

- [LPARSUP](#)

A6005350

Explanation:

Secondary partition software release not supported.

Response

The logical partition software version is outside the supported release delta.

Check the Release Delta from the Primary partition "Display Partition Release Level" screen.

Check the LPAR documentation for the release level of the Primary partition and determine what the supported Release Delta is.

A6005380

Explanation:

LIC program exception occurred.

Response

Record the Product Activity Log (PAL) hex data for this SRC or print the PAL entry.

Contact your next level of support.

Failing Item

- [LPARSUP](#)

A6005390**Explanation:**

LIC program exception occurred.

Response

Record the Product Activity Log (PAL) hex data for this SRC or print the PAL entry.

Contact your next level of support.

Failing Item

- [LPARSUP](#)

A6005505**Explanation:**

The copying of DASD log data to the IOP log was successful.

Response:

IOP log data can be copied to a spool file for examination by the development lab.

A6005555**Explanation:**

SLIC I/O DASD subsystem error recovery in progress.

A6005600**Explanation:**

Unrecoverable read error.

Response

VPD data could not be read.

Look for other errors implicating hardware. There is no way to know what VPD read has failed, but the resource is not usable and should generate an error.

If no such error occurred, call your next level of support.

Failing Item

- [SVCDOS](#)

A6006900**Explanation:**

System bus error.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6006901**Explanation:**

Bus Expansion Adapter card failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6006902**Explanation:**

Bus Expansion Adapter card failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6006905**Explanation:**

Optical bus failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6006906**Explanation:**

High Speed Link (HSL) or PCI bridge card slot I/O bridge failure.

Response

LIC could not access part of the HSL I/O bridge VPD. The bridge and HSL loop may be prevented from becoming operational.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event view on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIIOADP](#)
- [OPT_CLN](#)

A6006907

Explanation:

High Speed Link (HSL) or PCI bridge card slot I/O bridge failure.

Response

LIC detected invalid data in the HSL I/O bridge VPD. The bridge and HSL loop may not have become operational.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event view on the hardware management console, is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIIOADP](#)
- [OPT_CLN](#)

A6006908

Explanation:

High Speed Link (HSL) or PCI bridge card slot I/O bridge failure.

Response

LIC data in the I/O bus VPD could not be accessed. The I/O Bus identified in the SRC may not have become operational.

If there is a B6xx 6906 reference code, close this problem in the serviceable event viewer you are working with and work the 6906 error.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or serviceable event view on the hardware management console or service processor is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIIOADP](#)
- [OPT_CLN](#)

A6006909

Explanation:

High Speed Link (HSL) or PCI bridge card slot I/O bridge failure.

Response

LIC detected invalid data in the I/O bus VPD. The bus and resources associated with it may not be operational.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

If the serviceable event view only indicated a frame or enclosure see the locations section for the frame or enclosure type. The location of the HSL I/O Bridge will be given in the locations tables.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIIOADP](#)
- [OPT_CLN](#)

A600690A

Explanation:

Associated adapter not found in this partition.

Failing Item

- [LICIP16](#)

A6006910

Explanation:

I/O processor failure.

Response

An I/O processor timed out, returned bad status, or is not following the system bus protocol.

Failing Item

- [LICIP07](#)
- [FI00310](#)
- [FI00318](#)
- [FI00065](#)
- [FI00130](#)
- [AJDG301](#)

A6006938

Explanation:

Not valid system configuration detected.

Response

This system model does not allow a configuration of more than three (non-OptiConnect) I/O Processors.

Power down the system and remove the extra (non-OptiConnect) I/O Processor(s) so that there are three or less. Restart the system.

A6006944

Explanation:

Missing or failed I/O processor cards.

Response

A system bus appears to be empty. If the bus is not empty, two I/O processors in consecutive slots may be missing or broken. If there are broken I/O processors, then another more serious SRC has occurred. Otherwise find the bus number for this failure from the Product activity log and use the system configuration list to verify the configuration of the I/O processors on that bus.

Failing Item

- [FI00317](#)
- [FI00316](#)
- [AJDG301](#)

A6006960

Explanation:

Multi-adapter Bridge or PCI Bridge card slot error, do not use card slot.

Response

Slot unavailable due to 64 bit card in adjacent slot.

One of the messages documented with the symbolic FRU will describe the problem. See SLOERR symbolic FRU for a list of messages and corrective actions.

Failing Item

- [SLOERR](#)

A6006961

Explanation:

Multi-adapter Bridge or PCI Bridge card slot error, do not use card slot.

Response

LED control failure, do not use slot.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See [SLOTERR](#) symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or a serviceable event viewer on the hardware management console is available for this problem then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item

- [SLOTERR](#)
- [MASBUS](#)

A6006962

Explanation:

Multi-adapter Bridge or PCI Bridge card slot error, do not use card slot.

Response

Power control failure, do not use slot.

If there is a Linux partition in the system, any IOPs plugged into slots owned by a Linux partition will not power on. This error will be logged. Correct the situation by removing the IOP cards.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See [SLOTERR](#) symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log, or serviceable event view on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item

- [SLOTERR](#)
- [MASBUS](#)

A6006963

Explanation:

Multi-adapter Bridge or PCI Bridge card slot error, do not use card slot.

Response

Power control failure, do not use slot.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See [SLOTERR](#) symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item

- [SLOTERR](#)
- [MASBUS](#)

A6006964

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

One of several errors or configuration problems has occurred under a Multi-adapter Bridge or PCI Bridge. If you are using the Service Action Log (SAL), or the serviceable event viewer on the hardware management console or the service processor, then the correct FRU, description and card position(s) will be listed. Use the FRUs and descriptions in the serviceable event view you are working with to determine the problem.

If you do not have access to the Service Action Log, or serviceable event view on the hardware management console or service processor, then word 4 of the SRC has more information. Examine the last 4 digits in word 4 to determine the problem by comparing them to the list below and using the FRU(s) listed here.

1. xxxx2022 - IOP found in slots owned by a Linux partition. The Multi-adapter Bridge or PCI Bridge and PCI Bridge set that it controls are assigned to a Linux partition. The IOP found in the SLOT indicated by the DSA in word 7 will not be configured.
2. xxxx2014 - I/O adapters were found under the Multi-adapter Bridge or PCI Bridge but there is no IOP to support them. The adapters cannot be used.
3. xxxx2015 - An card type was found that cannot be supported in the card position where it is located.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A6006965

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

Card type not supported in this slot.

An I/O processor or I/O adapter card type is installed in the location indicated in word 7 of the SRC. The card type is not supported in that slot under the Multi-adapter Bridge or PCI Bridge. The card is unavailable.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A6006966

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

I/O processor removed from Multi-adapter Bridge or PCI Bridge card slot.

On the previous IPL an I/O processor was in the card location specified in word 7 of the SRC. The I/O processor was not detected on this IPL.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A6006967

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

I/O adapter unavailable due to moved I/O processor card.

The I/O adapter specified in word 7 of the SRC is not available. On the previous IPL there was an I/O processor card the adapter was assigned to. The I/O processor was not detected on this IPL.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A6006968**Explanation:**

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

IOA removed from Multi-adapter Bridge or PCI Bridge slot.

On the previous IPL an I/O adapter was in the card slot specified in word 7 of the SRC. That I/O adapter was not detected on this IPL.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A6006969**Explanation:**

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

I/O adapter replaced by I/O processor card.

On the previous IPL there was an I/O adapter in the location specified in word 7 of the SRC. This IPL LIC detected that the IOA was replaced by an IOP in that location.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A600696A**Explanation:**

Card slot test failed.

Failing Item

- [LICIP14](#)
- [FI00131](#)
- [BACKPLN](#)

A600696B**Explanation:**

Card slot could not be validated.

Response

This can be caused by "PCI error injection policy" being set to "YES" and an I/O Processor being installed on the same Multi-adapter Bridge or PCI Bridge domain as the I/O Adapter. Do one of the following. Either:

- Using the hardware management console or a customer PC with a Web browser access the Advanced System Management Interface (ASMI) and disable PCI error injection policy.

OR:

- Vary off the I/O Adapter. Using Hardware Service manager in SST/DST, locate the I/O Adapter resource. Using concurrent maintenance on the associated packaging resource, remove the I/O Adapter and install it in a location that does not have I/O Processors on the same Multi-adapter bridge domain.

OR:

- Vary off the I/O Adapter. Use the concurrent maintenance option in Hardware Service Manager in SST/DST to power off all I/O Processors located on the same Multi-adapter Bridge or PCI Bridge domain as the I/O Adapter. Use concurrent maintenance to power off and power on the I/O Adapter. Then use concurrent maintenance to power on the I/O Processors located on the same Multi-adapter Bridge or PCI Bridge domain as the I/O Adapter.

A6006970**Explanation:**

High Speed Link (HSL) or PCI bridge card slot resource failure.

Response

A system PCI bus failure was detected. Word 7 of the SRC contains the bus number.

This failure can occur when a tower in an HSL loop is powered off using concurrent maintenance. If this is the case, close this problem.

This error is most likely in the hardware that makes up the PCI bus, the PCI bus side of the HSL I/O bridge or the Multi-adapter Bridge or PCI Bridge. In some cases it may be caused by a failing IOP in the Multi-adapter Bridge or PCI Bridge domain. When an IOP is causing the problem, the failing IOP cannot be identified.

NOTE: This SRC can occur for the PCI bus resource on a PCI bus in an I/O expansion unit when the unit is powered off for a concurrent maintenance action.

If the Service Action Log, or serviceable event view on the hardware management console or service processor, is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SI_PHB](#)
- [PRI_PCI](#)
- [MA_BRDG](#)
- [MABIP03](#)
- [BRDGSET](#)
- [OPT_CLN](#)

A6006971

Explanation:

High Speed Link (HSL) or PCI bridge card slot resource failure.

Response

A failure occurred in a Multi-adapter Bridge or PCI Bridge or on the bus to the card location it controls.

If a serviceable event view is available, use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available, use the failing item list documented here.

Failing Item

- [MABIP02](#)
- [MA_BRDG](#)
- [MASBUS](#)
- [PIOCARD](#)

A6006972

Explanation:

High Speed Link (HSL) or PCI bridge card slot resource failure.

Response

Multi-adapter Bridge (MaB) or PCI Bridge failure detected.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item

- [MA_BRDG](#)

A6006973

Explanation:

High Speed Link (HSL) or PCI bridge card slot resource failure.

Response:

Multi-adapter Bridge or PCI Bridge has detected a problem in the card installed in the location specified in word 7 of the SRC. Use the FRU list in the Service Action Log (SAL), or serviceable event view you are working with. If you are working from this document's FRU list use the Symbolic FRU [BRDGSET](#) to determine the failing items.

Failing Item

- [BRDGSET](#)
- [SIIOADP](#)
- [MA_BRDG](#)

A6006974

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response:

PCI I/O processor rejected the assignment of or the removal of an I/O adapter.

Failing Item

- [MABRCFG](#)

A6006975**Explanation:**

The system issued a reset/reload to the service processor.

Response:

Service processor error.

Failing Item

- [AJDGP01](#)

A6006976**Explanation:**

Service processor failure.

Response

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or a serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event viewer is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item

- [SVCPROC](#)

A6006980**Explanation:**

Network Interface Controller / IO Hub failure.

Response

For Power5 and newer servers, service this error using the B7006980 service information. Otherwise, continue with this information.

The FRU list displayed in the Service Action Log (SAL) or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SICNTRL](#)
- [OPT_CLN](#)

A6006981**Explanation:**

High Speed Link (HSL) or PCI bridge card slot I/O bridge failure.

Response

For Power5 and newer servers, service this error using the B7006981 service information. Otherwise, continue with this information.

Cycle power on the frame identified as the frame with failed HSL I/O Bridge prior to replacing FRUs.

The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are using, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

If you find either a B6xx 6982 or B6xx 6984 SRC logged at approximately the same time as this SRC then they were caused by the same failure. If you find a 6982 SRC logged at approximately the same time then close this problem and service the 6982 SRC. The failing item listed for this SRC is one of the failing items listed for B6xx 6982. If the serviceable event view's entry for this SRC has a location listed then record the location for use in servicing the 6982 SRC.

NOTE: This SRC can occur for the HSL I/O Bridge resource in an I/O expansion unit when the unit is powered off for a concurrent maintenance action.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIIOADP](#)
- [OPT_CLN](#)

A6006982**Explanation:**

High Speed Link (HSL) connection failure.

Response

For Power5 and newer servers, service this error using the B7006982 service information. Otherwise, continue with this information.

If this SRC is not in the Service Action Log (SAL) or serviceable event view you are using, then it is informational or statistical only. It does not require a service action.

Otherwise, this is a connection failure on an HSL link. Perform the procedure indicated in the failing item list.

Failing Item

- [RIOIP09](#)
- [HSL_LNK](#)
- [SIIOADP](#)
- [SICNTRL](#)
- [REM_NIC](#)
- [OPT_CLN](#)

A6006983

Explanation:

A High Speed Link (HSL) / RIO / 12X loop configuration event was detected. The loop may have an unsupported configuration or a configuration that is not valid or the loop is in a state that LIC is logging for potential future reference.

Problem determination

LIC is reporting an event about the state of a RIO / HSL / 12X loop. Word 4 of the SRC contains the program return code (PRC) which identifies the state or problem with the loop.

For Power5 and newer servers, if this event appears in a serviceable event view then a service action is required. This SRC may also be logged as informational when it is recording information about the loop that is not a problem for the LPAR.

If this event does not appear in a serviceable event view then no service is required. To determine what the event meaning is record the PRC in word 4 of the SRC then use symbolic FRU [SIRGCFG](#). This completes the procedure.

If this event appears in a serviceable event view then search for a B7006983 serviceable event logged at about the same time.

Did you find a B7006983 serviceable event logged at about the same time in the LPAR?

- YES - Service this error by working the B7006983 error.
- NO - Continue working this SRC. If you are using the Service Action Log (SAL) the FRU description may already indicate the configuration problem.

Otherwise record the PRC in word 4 of the SRC. Use symbolic FRU [SIRGCFG](#) to determine the problem.

Failing Item

- [SIRGCFG](#)

A6006984

Explanation:

High Speed Link (HSL) loop status message.

Response

For Power5 and newer servers, service this error using the B7006984 service information. Otherwise, continue with this information.

An HSL loop has switched to its alternate path. This is an informational SRC only.

Word 7 of the SRC contains the loop number in the leftmost 4 digits. The loop number is in hexadecimal format. You must convert the hexadecimal loop number into decimal format to recognize the loop number in HSM.

This SRC can be caused by a tower on the HSL loop powering off.

This SRC may also appear in the Service Action Log (SAL), or serviceable event viewer you are using, with a B6xx 6982 or B6xx 6981 logged at approximately the same time. In that case the other SRC is reporting a failure and this SRC is reporting that the alternate HSL path is now being used. Service the other SRC if present.

A6006985

Explanation:

High Speed Link (HSL) loop status message.

Response

For Power5 and newer servers, service this error using the B7006985 service information. Otherwise, continue with this information.

If this SRC is not in the Service Action Log (SAL), or serviceable event view you are using, then it is informational. Use FRU [SIRSTAT](#) to determine what this SRC means. Otherwise, continue with the following steps:

This error can appear as a serviceable event when a tower, or I/O unit or another system in the loop did not complete powering on before LIC on this system checked this loop for errors. Search the Product Activity Log (PAL) for the last B6xx 6985 SRC logged for this loop and use FRU [SIRSTAT](#) to determine if this

error requires service. If the last entry indicates the loop is functioning (determined by FRU SIRSTAT) then no service action is required, close this problem

There may be multiple B6xx 6985 logs with xxxx 3205 in word 4 errors for the same loop resource in the serviceable event view. This is caused by retry and recovery attempts. If there is a B6xx 6985 with xxxx 3206 or xxxx 3208 in word 4 after the above B6xx 6985 entries in the PAL, then the recovery efforts were successful. If this is the case, close all the B6xx 6985 entries for that loop resource in the serviceable event view.

1. If you find a B6xx 6981 in the serviceable event view then close that problem and go to step 2. Otherwise perform the following:
 - Perform [RIOIP06](#) to determine if any other systems are connected to this loop and return here. (HSL_LNK or HSLxxxx FRU in the Service Action Log (SAL) entry, or serviceable event view you are working with, indicates the loop number.) If there are other system(s) then continue with the steps that follow, otherwise go to step 2.
 - Check for HSL failures on the other system(s) before replacing parts. HSL failures are serviceable event entries with HSL I/O Bridge and Network Interface Controller (NIC) resources. Ignore B6xx 6982 and B6xx 6984 entries. If there are HSL failures on other system(s) then continue with the steps that follow, otherwise go to step 2.
 - Repair the problems on the other systems and return to this step. After making repairs on the other system(s) check the Product Activity Log (PAL) of this system for a B6xx 6985 logged after the repairs you made on the other system(s). If you find one then continue with the steps that follow, otherwise go to step 2.
 - For the B6xx 6985 log you found, use FRU SIRSTAT to determine if the loop is now complete. If the loop is complete then this problem has been resolved. Use [RIOIP01](#) to verify that the loop is now working properly. Otherwise, go to step 2.
2. Use the serviceable event's FRU list when it is available. If this SRC appears in the Service Action Log (SAL), or the serviceable event view you are using, with the Symbolic FRU HSL_LNK or HSLxxxx listed as a FRU, then perform problem isolation procedure [RIOIP01](#). Otherwise exchange the FRUs listed in the serviceable event view.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIRSTAT](#)
- [HSL_LNK](#)
- [SIIOADP](#)
- [SICNTRL](#)
- [OPT_CLN](#)

A6006986

Explanation:

System bus error.

Response

For Power5 and newer servers, service this error using the B7006986 service information. Otherwise, continue with this information.

During IPL, system LIC detected an HSL I/O bridge that was already initialized. The bridge should have been in a flushed and uninitialized state after powering on. There is a problem with SPCN components that prevented the tower from powering off after a previous power off was issued. The tower will not be configured for this IPL.

This reference code is equivalent to 1xxx 90F0. When referring to the "CBLALL" symbolic FRU in the Failing Item list, perform the "CBLALL" procedure using reference code "90F0".

Word 5 of the SRC identifies the frame. Determine the frame by breaking down word 5:

Word 5 -> xxxx xxNN where: NN is the frame number in hexadecimal format.

Failing Item

- [TWRCARD](#)
- [CBLALL](#)

A6006987

Explanation:

High Speed Link (HSL) connection failure.

Response

For Power5 and newer servers, service this error using the B7006987 service information. Otherwise, continue with this information.

Failures are occurring on the HSL link.

There may be B6xx 6982 errors logged on the same loop and about the same time as this error. Close

those errors and continue to correct the problem by working this error.

- If there is a cable FRU in the serviceable event entry:
 1. If the connection is copper and either end has a loose connection, re-seat the cable. To do this, disconnect the connection and wait a minimum of 30 seconds. Then reconnect the cable and complete the tightening process in at most 30 seconds. Repeat the process at the other end of the cable. If the error persists, replace the FRUs in the Service Action Log (SAL), or serviceable event view you are using.
 2. If the connection is optical, clean the connections at both ends of the cable. If the error persists, replace the FRUs in the Service Action Log (SAL), serviceable event view you are using.
 3. If the error persists, replace the FRUs at each end of the cable starting with the FROM FRU listed in the serviceable event view you are using.
- If there was no cable in the Service Action Log (SAL), or serviceable event view you are using, then replace the FRUs listed in the serviceable event view.

Failing Item

- [HSL_LNK](#)
- [OPT_CLN](#)

A6006988

Explanation:

A High Speed Link (HSL / HSL2) or RIO / RIO-G loop was detected on the system this LPAR is running on. This version of the operating system does not support resources on an HSL / HSL2 / RIO / RIO-G loop. If resources on the loop are assigned to this LPAR, for example in the partition profile, the resources will not show up in this IBM i LPAR.

A6006990

Explanation:

Service processor failure.

Response:

The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item

- [SVCPROC](#)

A6006991

Explanation:

Service processor failure.

Failing Item

- [AJDGP01](#)

A6006992

Explanation:

Service processor failure.

Failing Item

- [AJDGP01](#)

A6006993

Explanation:

Service processor failure.

Response

A failure occurred with the service processor hardware or the service processor LIC.

The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item

- [SVCPROC](#)
- [AJDGP01](#)

A6006994

Explanation:

Service processor failure.

Response:

The FRU list displayed in the Service Action Log (SAL) or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item

- [SVCPROC](#)

A600699C

Explanation:

Wrap plug is installed on Bus Expansion Adapter card.

Response

This reference code is for information only. It indicates the presence of a wrap plug on the local optical link card.

A60069A8**Explanation:**

Informational bus reference code.

Response

This reference code is for information only and might include the following:

- Optical speed encode.
- Broken optical links now operational.
- Other information.

A60069B8**Explanation:**

Bus hardware configuration problem.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A60069C1**Explanation:**

A failure occurred communicating with another LPAR or system participating in Opti-connect with this LPAR or system. Starting with IBM i release 7.1 this event will be logged in the Product Activity Log but it will not be in the Service Action Log or the Problem Log. This event normally occurs when the other LPAR or system is powered off. If both LPARs or systems are running and have no Opti-connect errors then this event is indicating a possible problem with Opti-connect.

Response:

Contact your next level of support if you suspect an Opti-connect problem. Otherwise this is a tracking event.

Failing Item

- [NEXTLVL](#)

A60069C2**Explanation:**

HSL Opticonnect normal connect to another sys. or partition.

Response

This reference code is informational only.

HSL OptiConnect has established connection normally. The local system or partition is participating in HSL Opticonnect with other systems or partitions on the same HSL loop.

A60069C3**Explanation:**

HSL Opticonnect normal disconnect from other sys. or partition.

Response

This reference code is informational only.

HSL Opticonnect disconnected normally from a remote node. The local system or partition has stopped participating in HSL Opticonnect with the remote system or partition on the same HSL loop. Possible reasons include:

- A remote system or partition went off line due to a normal power off or disable of HSL Opticonnect.

A60069C5**Explanation:**

I/O processor failure.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A60069C6**Explanation:**

HSL Opticonnect abnormal disconnect from other sys. or partition.

Response

The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. The problem is most likely with the remote system or partition. Intervention at the remote system is most likely required. Examine both the local and remote HSL OptiConnected systems or partitions for problems on this HSL loop.

Possible reasons include: A fatal error in software or hardware in the remote system or partition or a power failure in the remote system.

If there was not a complete HSL loop before this error occurred then a failure or power down in an HSL component between the local system or partition and the remote system or partition could have caused this

error. Check for a problem with: an HSL cable, HSL I/O bridge or a power problem in an expansion I/O tower or unit on this loop.

Examine the Service Action Log (SAL), or serviceable event view you are using on the local system or partition for HSL failures on the same HSL loop at approximately the same time this error occurred.

Examine the remote system or partition for problems. If the remote system or partition is powered on and IPL'd then examine the Service Action Log (SAL), or serviceable event view you are using, on the remote system or partition for problems on the same HSL loop at approximately the same time this error occurred.

Correct any problems you find with the remote and local systems or partitions that happened at approximately the same time and involve HSL Opticonnect or HSL loop components or Network Interface Controllers. When the remote system is IPL'd it will automatically reconnect with this system or partition.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log information for this failure on both systems. Be sure to record all words in the SRC. Contact your next level of support.

Failing Item

- REM_SYS

A60069C7

Explanation:

HSL Opticonnect abnormal disconnect from other sys. or partition.

Response

The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. LIC will attempt to recover from the error. Intervention at the local or remote system or partition may be required.

Possible causes are: time out, hang or hardware failure. The problem may be with: the local system or partition or the remote system or partition.

If there was not a complete HSL loop before this error then a failure or power down in an HSL component between the local system or partition and the remote system or partition could have caused this error. Check for SRCs with FRUs like: HSL cables, HSL I/O bridge or

a power problem in an expansion I/O tower or unit on this loop.

Examine the SAL or serviceable event view you are working with on the local system or partition for failures on the same loop, or with the Network Interface Controller at approximately the same time.

Examine the remote system or partition for problems. Correct any HSL or NIC problems you find with the remote and local systems or partitions.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log (PAL) information for this failure on both systems. Be sure to record all words in the SRC. Contact your next level of support.

Failing Item

- REM_SYS
- LOC_SYS

A60069C8

Explanation:

HSL Opticonnect abnormal disconnect from other sys. or partition.

Response

The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. All of the HSL OptiConnect connections on this loop will be in a failed state. LIC will attempt to recover from the error. Intervention at the local or remote system or partition may be required. Possible causes are:

- time out of a critical message
- LIC code / table problem
- Network deadlock detected

The problem may be with:

- The local system or partition
- The remote system or partition

Examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL failures on the same HSL loop, or with the Network Interface Controller at approximately the same time this error occurred.

Examine the remote system or partition for problems. Examine the Service Action Log (SAL), or serviceable event view you are using, on the remote system or

partition for problems on the same HSL loop or with the Network Interface Controller at approximately the same time this error occurred.

Correct any problems you find with the remote and local systems or partitions that happened at approximately the same time and involve HSL Opticonnect or HSL loop components or Network Interface Controllers.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log information for this failure on all systems or partitions. Be sure to record all words in the SRCs. Contact your next level of support.

Failing Item

- [REM_SYS](#)
- [LOC_SYS](#)
- [AJDG301](#)

A60069C9

Explanation:

HSL Opticonnect abnormal disconnect from other sys. or partition.

Response

The local system or partition disconnected from a remote system or partition due to an failure in a LIC virtualized bus unit. LIC will attempt to recover from the error. Possible causes are:

- LIC problem where the local bus unit is off line.
- LIC problem where the remote bus unit is off line.

Examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL Opticonnect failures that occurred at approximately the same time this error occurred.

Examine the remote system or partition for problems. Examine the Service Action Log (SAL), or the serviceable event view you are using, on the remote system or partition for HSL Opticonnect problems that occurred at approximately the same time this error occurred.

Collect all the Product Activity Log information for this failure on all systems and partitions on this HSL loop. Be sure to record all words in the SRCs. Contact your next level of support with the information you have collected.

Failing Item

- [AJDG301](#)
- [REM_SYS](#)
- [LOC_SYS](#)

A60069CF

Explanation:

HSL Opticonnect abnormal disconnect from other sys. or partition.

Response

LIC internal error. All systems participating in HSL OptiConnect will be disconnected. The system must be re-IPL'd to recover. Before re-IPL'ing the system initiate a main store dump.

After getting the dump, examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL Opticonnect failures that occurred at approximately the same time this error occurred.

Examine the remote systems or partitions for problems. Examine the Service Action Log (SAL), or serviceable event view you are using, on the remote systems or partitions for HSL Opticonnect problems that occurred at approximately the same time this error occurred.

Collect all the Product Activity Log information for this failure on all systems and partitions on this HSL loop. Be sure to record all words in the SRCs. Contact your next level of support with the information you have collected.

Failing Item

- [AJDG301](#)

A60069D0

Explanation:

Bus Expansion Adapter card failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A60069D8

Explanation:

Bus Expansion Adapter failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A60069D9

Explanation:

Host Ethernet Adapter (HEA) failure.

Response:

Firmware detected a hardware failure in the Host Ethernet Adapter (HEA).

Failing Item

- [HEA](#)

A60069DA

Explanation:

System log entry only, no service action required.

A60069DB

Explanation:

LIC failure.

Response:

A Licensed Internal Code error occurred. The partition will continue to run with this Host Ethernet Adapter (HEA) disabled. Perform a partition dump and then IPL the partition to recover the HEA. Send the partition dump to your next level of support.

Failing Item

- [SVCDOCS](#)

A60069DC

Explanation:

The Host Ethernet Adapter (HEA) is not connected to the Ethernet switch.

Response

The Host Ethernet Adapter (HEA) is not connected to the Ethernet switch. If the HEA connection is not needed, no service action is required.

If the HEA connection is needed, verify that the cable is connected and the switch is powered on. After repairing the problem, verify that the connection has been restored.

A60069DD

Explanation:

The Host Ethernet Adapter (HEA) connection to the Ethernet switch has been restored.

Response:

System log entry only, no service action required.

A60069DE

Explanation:

Host Ethernet Adapter (HEA) Media Interface Adapter Failure.

Response:

Firmware detected a failure in the HEA Media Interface Adapter.

Failing Item

- [HEA](#)
- [AJDG301](#)

A60069E0

Explanation:

Bus Expansion Adapter card failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A60069E8

Explanation:

Bus Expansion Adapter failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A60069F0

Explanation:

Bus Expansion Adapter failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A60069F8

Explanation:

Bus Expansion Adapter failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6007001

Explanation:
ISDN call in rejected.

Failing Item

- [UG3LB](#)

A6007002

Explanation:
Lines not selected.

Failing Item

- [UG3LB](#)

A6007003

Explanation:
Network interfaces not selected.

Failing Item

- [UG3LB](#)

A6007004

Explanation:
TCP/IP informational error.

Response

This reference code is logged when the TCP/IP Attribute Log Protocol Errors is set, and the TCP/IP System LIC silently discards an in bound datagram. Silently discard is defined to mean discard the received datagram without reporting an error to the originating host device. Examples of such datagrams are those with checksums or destination addresses which are not valid.

This reference code is for information only. Normally no action should be taken as a result of this reference code. It is generated in order to assist with remote device or TCP/IP network problem determination.

A6007055

Explanation:
Statistics were logged, no service action required.

Response

This reference code is logged for information only.

A6007100

Explanation:
APPN session initiation attempt has timed out.

Response

This reference code is used to indicate that LIC timed out on a request to initiate a session.

The user must run problem analysis for this reference code. If this indicates a software problem, the user should dial IBM Software Support for assistance.

The Problem Determination Procedure (PDP) will indicate whether the original timeout condition still exists and what the corrective actions should be.

Failing Item

- [AJDG301](#)
- [UPLF3](#)
- [UPLF1](#)
- [UPLF2](#)

A6007101

Explanation:
APPN session initiation attempt has failed.

Response

This reference code is used to indicate that LIC attempted to satisfy a session initiation request, but some failure condition was detected by LIC. The failure condition could be a configuration or operational problem in the network.

The user must run problem analysis for this reference code. If this indicates a software problem, the user should dial IBM Software Support for assistance.

The Problem Determination Procedure (PDP) will indicate whether the original timeout condition still exists and what the corrective actions should be.

Failing Item

- [UPLF4](#)
- [UPLF5](#)
- [UPLF6](#)
- [AJDG301](#)

A6007102

Explanation:
APPN CP-CP session ended.

A6007201

Explanation:
A utility failure occurred.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a utility failure.

A6007202**Explanation:**

Utility power restored.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is reporting that utility power has been restored.

A6007203**Explanation:**

A battery low condition was detected.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a battery low condition.

A6007204**Explanation:**

Uninterruptible Power System reported a bypass active.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a bypass is active.

A6007205**Explanation:**

Battery low condition was reset.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is no longer reporting a battery low condition.

A6007206**Explanation:**

UPS reported bypass no longer active.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is no longer reporting a bypass active condition.

A600720A**Explanation:**

Battery Power Unit replacement dates do not match.

Response

The replacement dates for one of the Battery Power Units do not match. Run "Display Hardware Configuration" and verify that the dates match the labels on the batteries.

A6007703**Explanation:**

System LIC detected a program exception.

Response

Storage Management detected a DASD datacheck condition and the defective sector was reallocated.

Perform a system IPL to restart the system.

A6007704**Explanation:**

General failure detected by HRI component.

Failing Item

- [AJDG301](#)

A6007777**Explanation:**

Hardware configuration change detected.

Response

A hardware resource is missing. The resource reported in to the system on a previous IPL, but has not reported in on the current IPL. This could occur for several different reasons.

1. It could be a normal situation where the resource is currently powered off. In this case, when the resource is powered back on, it will no longer be missing.
2. The hardware resource could also be missing if it has been removed from the system, for example, a tape drive that was replaced with a different tape drive. The service representative should use the Hardware service manager to remove the entry for this resource.
3. The resource may not have reported in on this IPL because it is failing. Perform problem analysis to determine why the resource is failing.

A6008000**Explanation:**

A storage subsystem disk unit connection failed.

Response:

Look for other errors in the Service Action Log (SAL), or serviceable event view you are working with, and fix them.

A6008001

Explanation:

A storage subsystem disk unit connection failed.

Response:

Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6008002

Explanation:

Maximum number of redundant connections exceeded.

Response:

An attempt to activate a connection from another I/O adapter to a storage subsystem disk unit failed because the maximum number of connections are already active for this disk unit. No action required.

A6008003

Explanation:

A storage subsystem disk unit connection was restored.

Response:

No action required.

A6008004

Explanation:

A storage subsystem disk unit connection failed.

Response:

Could not read configuration information from the disk unit. Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6008005

Explanation:

High performance connection failed.

Response

A high performance connection to an external storage subsystem disk unit failed.

There are still two or more external storage subsystem disk unit connections, but performance might be degraded.

Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6008006

Explanation:

High performance connection failed.

Response

A high performance connection to an external storage subsystem disk unit failed.

There is still one more external storage subsystem disk unit connection, but performance might be degraded.

Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6008007

Explanation:

High performance connection was restored.

Response

A high performance connection to an external storage subsystem disk unit was restored.

Performance is no longer degraded.

No action required.

A600B700

Explanation:

A platform firmware error log was signalled to LIC but could not be retrieved from platform firmware. LIC created this event in the PAL with SRC B600B700 to log the problem.

Problem determination:

Contact your hardware service provider. This is a platform firmware problem.

Failing Item

- [NEXTLVL](#)

A600CF00

Explanation:

Permanent error on removable media device.

Response:

A type D IPL terminated because of a removable media Load Source device failure. If the removable media Load Source is an external device, check the cables. If that does not correct the problem, replace the device. If the removable media Load Source is an

internal device, replace the device. If the removable media Load Source is a virtual device, ensure it is set up correctly.

Failing Item

- [SVCDOCS](#)

A600CF01

Explanation:

Unsupported removable media device configuration.

Problem determination:

A type D IPL terminated because of an unsupported removable media device configuration. Retry the D-IPL with a different removable media device.

Failing Item

- [SVCDOCS](#)

A600CFFC

Explanation:

Optical library device condition not expected.

Response

The optical disk drive addressing within the optical library is incorrect. This error is likely to be the result of faulty cabling or switch setting following service to an optical library.

Contact your hardware service provider.

Failing Item

- [OPTLCBL](#)
- [DRVSWCH](#)

A600CFFD

Explanation:

Optical drive failure.

Failing Item

- [OPTLDRV](#)

A600CFFF

Explanation:

Media determined to be bad in Optical library.

A600F103

Explanation:

Main storage dump must be copied for service.

Failing Item

- [LICIP01](#)

A600F104

Explanation:

LPAR service function directed a Main Storage Dump.

Response

The Hypervisor terminated a partition with an unresponsive Operating System. A Main Store Dump must be done for service. Call your next level of support when the dump is complete.

Failing Item

- [LICIP01](#)

A600F105

Explanation:

Licensed Internal Code detected error.

Failing Item

- [NEXTLVL](#)

A600FDC0

Explanation:

LIC program reported informational error.

Response

This reference code is logged for information only. No action required.

A600FDC5

Explanation:

LIC program failed and data was captured.

Response

This reference code indicates first failure data capture (FFDC) data was collected for a problem reported by licensed internal code.

The user should dial IBM Software Support for assistance.

Failing Item

- [UG3AS](#)

A6D1BD62

Explanation:

Platform firmware event with a non IBM i LPAR.

Problem determination:

Report this problem to your next level of support.

Failing Item

- [SVCDOS](#)

A6xx0000**Explanation:**

Operating system status code.

Response

This reference code is for information only. It is shown in the Product activity log as a side effect of a condition that was detected by LIC.

Normally, no action should be taken as a result of information reference codes. However, to isolate the root cause, use these suggestions:

1. Examine the date and time of the informational reference code.
2. Determine if any other reference codes have been logged at or before the same date and time.
3. Begin the service approach based on these other logged errors.

A6xx0102**Explanation:**

A machine check occurred during IPL.

Response

Words 2 to 9 of this SRC contain additional diagnostic information. Record SRC words 1 through 9 before attempting to IPL again and report the problem to your Software Service Provider.

A6xx0103**Explanation:**

Main storage dump must be copied for service.

Failing Item

- [LICIP01](#)

A6xx0104**Explanation:**

Terminate Immediate reference code is bad.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0105**Explanation:**

More than one request to terminate the system was issued.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0106**Explanation:**

Terminate Immediate data is not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0107**Explanation:**

Main storage dump must be copied for service.

Response

The server detected an unrecoverable machine check condition.

Collect all the words of the SRC and the main store dump and send to your system manufacturer for analysis.

A6xx0109**Explanation:**

An unrecoverable memory error occurred.

Response

Re-IPL the partition that terminated. Then, look for and correct errors with SRCs of the form B1xxxxxx in the Serviceable Event View that indicate the replacement of memory in the failing item list. If there are no B1xxxxxx SRCs in the Serviceable Event View that indicate a memory problem, perform a slow boot by using [Performing a slow boot](#) in order to run diagnostics on the memory. Then, look for and correct errors with SRCs of the form B1xxxxxx in the Serviceable Event View.

Failing Item

- [SVCDOS](#)

A6xx0202**Explanation:**

Unrecoverable read error.

Response

Restore the Licensed Internal Code using [Utilities to install and restore IBM i Licensed Internal Code](#).

A6xx0208

Explanation:

Storage Management early IPL failure.

Response:

A critical error occurred during Storage Management early IPL initialization. Contact your next level of support for assistance, and investigate the extended SRC data for details about the failure. Determine if the error can be corrected with configuration changes. If the problem cannot be corrected, obtain the SRC history, and submit an Authorized Problem Analysis Report (APAR).

A6xx0210

Explanation:

The system ASP has run out of disk storage.

Response:

The out of storage condition in the system ASP can be caused by an allocation failure in some other system software. This could be a looping condition that continues to allocate storage. Contact your service representative for assistance with the Main Storage Dump.

A6xx0231

Explanation:

Disk sanitize action completed successfully.

Response:

No service action required. This entry is logged for information only.

A6xx0232

Explanation:

Disk sanitize action did not complete successfully.

Response:

Provide the Product Activity Log entry to your next level of support for analysis.

A6xx0244

Explanation:

Contact was lost with the device indicated.

Response

Do not power off the system.

Perform the procedure indicated in the failing item list.

Failing Item

- [LICIP13](#)
- [FI00580](#)
- [FI00500](#)
- [FI00302](#)
- [FI00301](#)
- [AJDG301](#)

A6xx0255

Explanation:

Contact was lost with the device indicated.

Response

Do not power off the system.

Perform the procedure indicated in the failing item list.

Failing Item

- [LICIP13](#)
- [FI00580](#)
- [FI00500](#)
- [FI00302](#)
- [FI00301](#)
- [AJDG301](#)

A6xx0266

Explanation:

Contact was lost with the device indicated.

Response

Do not power off the system.

Perform the procedure indicated in the failing item list.

Failing Item

- [LICIP13](#)
- [FI00580](#)
- [FI00500](#)
- [FI00302](#)
- [FI00301](#)
- [AJDG301](#)

A6xx0299

Explanation:

Informational LIC state SRC.

A6xx0302

Explanation

Recursion in exception handler.

This SRC is an IBM i software event. If this SRC was reported as a serviceable event or if this SRC appears on the IBM i LPAR's panel then report the SRC as an IBM i software problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0304

Explanation:

Component specific exception handler return code not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0305

Explanation:

Exception while storage management lock is held.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0307

Explanation:

LIC exception code detected a problem.

Response

Component Specific Exception Handler recursion is detected in an IBM i Operating System process.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0308

Explanation:

LIC exception code detected a problem.

Response

Component Specific Exception Handler recursion is detected in an IBM i Operating System process.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0317

Explanation:

Traceback for code not found.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0323

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0324

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0325

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0326

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0327

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0328

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0329

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0333

Explanation:

A branch to a bad address was attempted.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0334

Explanation:

Exception Handler could not be removed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0335

Explanation:

Code resumed to not valid address following exception.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0336

Explanation:

LIC exception code detected a problem.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0401

Explanation:

A machine check occurred during IPL.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0402

Explanation:

A machine check occurred during authority initialization.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0403

Explanation:

Unhandled exception during IPL or install.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0405

Explanation:

Unhandled exception in authority recovery.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0406

Explanation:

Unhandled exception in data base recovery.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0407

Explanation:

Unhandled exception in data base initialization.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0408

Explanation:

Unhandled exception in journal recovery.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0409

Explanation:

Unhandled exception in journal synchronization.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0410

Explanation:

Unhandled exception in journal clean up.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0411

Explanation:

Unhandled exception in commit recovery.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0412

Explanation:

Unhandled exception in commit initialization.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0413

Explanation:

Rebuild of recovery object index failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0414

Explanation:

Install of operating system failed on read from media.

Failing Item

- [LICIP08](#)
- [FI00300](#)

A6xx0415

Explanation:

Create user profile failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0417

Explanation:

Initiating the initial process failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0418

Explanation:

The information loaded from the install media is not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0419

Explanation:

The information loaded from the install media is not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0420

Explanation:

The information loaded from the install media is not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0421

Explanation:

Bad return code creating a queue or message.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0422

Explanation:

The Load/Dump command failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0439

Explanation:

Opening the IPCF connection failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0440

Explanation:

Termination code is not valid.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0441

Explanation:

Power off system command failed.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0443

Explanation:

Programmed IPL command failure.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0446

Explanation:

Error during machine termination.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0447

Explanation:

Failure to reach MI boundary.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0449

Explanation:

Exception in MI boundary manager.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0506

Explanation:

Attempt to destroy a task with critical flag on.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0507

Explanation

A critical process terminated. This SRC will be in the LPAR's panel.

LIC detected an attempt to terminate a process with its critical flag set to ON. Normally this process will be SCPF.

This is a secondary affect of the process termination request for a critical process that was caused by a system error condition that began process termination. The system error condition that began process

termination is most commonly a storage error or LIC exception handling.

Response:

Perform [LICIP08](#) - save and send in the Main Store Dump, collect LIC and Product Activity Logs.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0607**Explanation:**

Maximum stack size exceeded in process or task.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0620**Explanation:**

Event management index is not usable.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx0650**Explanation:**

Resource management segment could not be created or extended.

Response

A main store dump was initiated.

Words 2 to 9 of this SRC contain additional diagnostic information. Record SRC words 1 through 9.

Perform a system IPL and collect the Product activity log and main store dump and provide them along with the recorded SRC information to IBM Service Support.

The problem may also be that there is not enough auxiliary storage.

Failing Item

- [AJDG301](#)

A6xx0801**Explanation:**

Invalid LID directory detected.

Response

During system IPL, the LIDMgr detected an I/O failure or media failure while trying to read the LID directory.

Failing Item

- [LICIP08](#)
- [FI00070](#)
- [FI00300](#)
- [AJDG301](#)

A6xx0802**Explanation:**

LID directory unusable.

Response

During system IPL, the LIDMgr detected that the LID directory and associated Load Source is not usable.

Reinstall the Licensed Internal Code by using [Utilities to install and restore IBM i Licensed Internal Code](#).

For more information, contact IBM Service Support.

Failing Item

- [AJDG301](#)

A6xx0901**Explanation:**

The LinkLoader has found its bad flag ON.

Response

This reference code is usually the result of a system termination while the LinkLoader is performing its work.

Reinstall the Licensed Internal Code by using [Utilities to install and restore IBM i Licensed Internal Code](#).

A6xx0902**Explanation:**

Unable to perform programmed IPL.

Response

The LinkLoader was not successful in performing a programmed IPL.

Perform a system IPL. If the problem persists, examine the main storage dump and determine the reason for the failure of the programmed IPL.

A6xx0903**Explanation:**

The LinkLoader was not able to allocate a segment.

Response:

Perform the D mode IPL again. If the problem persists, there might be a memory problem. Contact your next level of support.

A6xx0904**Explanation:**

The LinkLoader was not able to load a critical LID.

Response:

Perform the D mode IPL again. If the problem persists, contact your next level of support.

A6xx1001**Explanation:**

Enqueueing a task to the TDQ which is already enqueued on TDQ.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx1103**Explanation:**

MISR not readable; must be readable for Normal Mode install.

Response

MISR is not readable. Perform a manual install to reinitialize the system.

A6xx1104**Explanation:**

Failure reading media or not install media.

Response

Determine that correct install media is loaded. If correct install media is installed, media could be corrupt. Obtain another copy of the install media and re-attempt the install. If the install still fails, contact your service representative.

A6xx1201**Explanation:**

Critical database segment could not be created.

Failing Item

- [LICIP08](#)

- [AJDG301](#)

A6xx1204**Explanation:**

Error in constraint enforcement.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx1210**Explanation:**

Object not found in the in-use table.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx1215**Explanation:**

Error in critical code sequence.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx1219**Explanation:**

A back leveled driver has been detected.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx1604**Explanation:**

Not able to create APPN task.

Response

An error occurred during task creation which requires a power off of the system.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx1724**Explanation:**

An attempt to create a segment failed.

Response

The create could fail for two reasons:

- A code problem. Perform the procedure indicated in the failing item list.
- No free auxiliary storage on the system. Add additional DASD if the create failed because no auxiliary storage was available.

Failing Item

- [LICIP08](#)
- [AJDG301](#)

A6xx1730

Explanation:

An IPL is needed to restore system performance.

Response

Licensed Internal Code has detected a condition that is impacting system performance. System operation can continue, but system performance may be noticeably reduced until the next IPL.

Look at the Product Activity Log entry, and find the value at offset x'000180'. If the value equals x'00000122', the error was caused by too much processor memory being installed.

For more information, contact IBM Service Support.

Failing Item

- [UPLF1](#)

A6xx3000

Explanation:

LPAR service function directed a Main Storage Dump.

Response:

Copy the current main storage dump to media. For more information on how to copy a Main Storage Dump, refer to [Copying a main storage dump](#).

Failing Item

- [AJDG301](#)

A6xx41FC

Explanation:

Installation of LIC failed.

Response

Words 12 and 13 of this SRC contain additional diagnostic information.

Install LIC using physical media.

To determine what caused the failure, collect SRC information and contact your next level of support.

Failing Item

- [SVCDOCS](#)

A6xx41FD

Explanation:

Installation of LIC failed.

Response

A main store dump was initiated. Words 12 and 13 of this SRC contain additional diagnostic information.

To recover the partition using the previously installed LIC, perform a B-mode IPL. You can then re-try the installation of LIC. Otherwise, install LIC using physical media.

To determine what caused this failure, collect SRC information and main store dump and contact your next level of support.

Failing Item

- [SVCDOCS](#)

A6xx4401

Explanation:

Missing DASD units.

Response

Copy the current main storage dump to media.

For more information on how to perform a Main Storage Dump, refer to [Copying a main storage dump](#).

A6xx4402

Explanation:

Missing DASD units.

Response

Copy the current main storage dump to media. Then exit the Main Storage Dump Manager.

For more information on how to perform a Main Storage Dump, refer to [Copying a main storage dump](#).

A6xx4403**Explanation:**

Storage Management failed to reach full paging.

Response

Copy the current main storage dump to media.

For more information on how to perform a Main Storage Dump, refer to [Copying a main storage dump](#).

A6xx4404**Explanation:**

Auto copy failed or not attempted.

Response

Copy the current main storage dump. If copying to system ASP, existing copies may need to be deleted or renamed. Then exit the Main Storage Dump Manager.

For more information on how to perform a Main Storage Dump, refer to [Copying a main storage dump](#).

A6xx4405**Explanation:**

System ASP threshold exceeded after auto copy done.

Response

Delete other system ASP copies or exit the Main Storage Dump Manager and then from DST copy the Auto Copy to media and then delete the Auto Copy in system ASP.

A6xx4420**Explanation:**

MSD Manager not configured to save dump information.

Response:

The platform produced dump data, but the Main Storage Dump (MSD) Manager was not configured to automatically copy the dump to an Auxiliary Storage Pool (ASP). The dump will be lost if the system power is lost. Use MSD Manager to manually copy the current platform dump to media or an ASP.

A6xx4421**Explanation:**

Insufficient space in the ASP to store a platform dump.

Response

The platform produced dump data, and the Main Storage Dump (MSD) Manager was configured to

automatically copy the dump to an Auxiliary Storage Pool (ASP), but there was not sufficient free space available in the ASP. The dump will be lost if the system power is lost. Manually copy the current platform dump from the platform by performing one of the following:

- Make room in the designated ASP and then use the MSD Manager to copy the current platform dump to ASP.
- Use the MSD Manager to delete other dump copies, then copy the current platform dump to ASP.
- Use the MSD Manager to copy the current platform dump to a different ASP.
- Use the MSD Manager to copy the current platform dump to media.

A6xx4422**Explanation:**

A platform dump is saved in MSD Manager.

Response:

The platform produced dump data. The dump data was copied to the Main Storage Dump (MSD) Manager.

Failing Item

- [PLDUMP](#)

A6xx4700**Explanation:**

Processor On Demand error detected.

Response

Processor on Demand Data Block key is not valid.

Replace the Processor Capacity card.

Failing Item

- [CTLPNCD](#)

A6xx4701**Explanation:**

Processor On Demand error detected.

Response

Processor On Demand Data Block contains data that does not match the expected data.

Contact your service provider.

Failing Item

- [AJDG301](#)

A6xx4703

Explanation:

Processor On Demand error detected.

Response

Processor On Demand Serialization has failed during IPL.

Contact your service provider.

Failing Item

- [AJDG301](#)

A6xx4710

Explanation:

Processor On Demand error detected.

Response

SPCN communication failure during Processor On Demand.

Look in the Product Activity Log for other SPCN errors and perform the actions indicated for those errors.

Failing Item

- [SPNLCRD](#)

A6xx4712

Explanation:

Processor On Demand error detected.

Response:

Correct any Processor Capacity card or SPCN failures.

Failing Item

- [CTLPNCD](#)

A6xx4713

Explanation:

Incorrect Processor Capacity Card installed.

Response

The Processor Capacity Card is the failing item since it has been swapped in from a different system.

Put the Processor Capacity Card back in the system it came from, and reinstall this system's original Processor Capacity Card.

Failing Item

- [CTLPNCD](#)

A6xx4714

Explanation:

The CUoD data is not present. A problem may exist.

Response

The Processor Capacity Card was changed and there may be a problem.

If the system did have any activated standby processors before the Processor Capacity Card was replaced, then new processor on demand activation codes must be obtained to restore the previous activations.

Contact your service provider.

A6xx4715

Explanation:

Processor On Demand error detected.

Response:

Correct any Processor Capacity card or SPCN failures.

Failing Item

- [CTLPNCD](#)

A6xx4730

Explanation:

Processor On Demand error detected.

Response

Processor On Demand standby processors are in use.

Contact your service provider.

Failing Item

- [AJDG301](#)

A6xx4731

Explanation:

Processor On Demand error detected.

Response:

The Processor On Demand Trial Activation period is not valid. Contact your next level of support.

Failing Item

- [AJDG301](#)

A6xx4733

Explanation:

Processor On Demand error detected.

Response:

Contact your service provider.

Failing Item

- [AJDG301](#)

A6xx4740

Explanation:

Processor On Demand error detected.

Response

The Processor On Demand Activation code just entered is not valid.

Contact your next level of support.

Failing Item

- [AJDG301](#)

A6xx4741

Explanation:

Processor On Demand error detected.

Response:

An invalid Processor On Demand Activation code has been entered more than 5 consecutive times. Contact your service provider.

Failing Item

- [AJDG301](#)

A6xx4745

Explanation:

Processor Capacity card replaced on activated POD system.

Response:

Contact IBM Support to order a replacement Processor On Demand activation code.

A6xx4747

Explanation:

1 hour left in POD 14 day Trial Activation Period.

Response:

If a new activation code was purchased, it should be entered now. Otherwise, the system will revert back

to its previous activation state at the end of the Trial Activation Period.

A6xx5001

Explanation:

DST received no response from a work station controller.

Response

The workstation I/O processor for the system or partition console did not respond.

Failing Item

- [RTRIP01](#)
- [FI00380](#)
- [AJDG301](#)

A6xx5002

Explanation:

DST problem attempting to use the system console.

Response

A code problem occurred during an attempt to use the system console.

Failing Item

- [LICIP03](#)
- [AJDG301](#)
- [FI00380](#)

A6xx5003

Explanation:

Service program failed.

Response

The ASCII system console failed to respond.

Failing Item

- [FI00320](#)
- [FI00602](#)
- [USER](#)
- [AJDG301](#)
- [FI00380](#)

A6xx5004

Explanation:

DST console failed to respond.

Response

The system console failed to respond.

Failing Item

- [RTRIP02](#)
- [FI00320](#)
- [FI00602](#)
- [USER](#)
- [AJDG301](#)
- [FI00380](#)

A6xx5005

Explanation:

Service program failed.

Response

The workstation adapter system console failed to respond.

Failing Item

- [WSAIP01](#)
- [FI00320](#)
- [FI00602](#)
- [USER](#)
- [AJDG301](#)
- [FI00380](#)

A6xx5007

Explanation:

Service program failed.

Response

The workstation adapter console failed to respond.

Failing Item

- [RTRIP07](#)
- [FI00320](#)
- [FI00602](#)
- [USER](#)
- [AJDG301](#)
- [FI00380](#)

A6xx5008

Explanation:

DST console failed to respond. If an IPL did not find a console and if the console type is set to anything except a 1, the system will display code A6005008.

Response

If you just replaced the LAN adapter associated with Operations Console (LAN), you need to wait at least 35 minutes for the system to find and use the new LAN adapter. In this case, when the system is satisfied, it starts using the new adapter. The console should start, and the SRC is no longer shown.

If you are attempting to use a twinaxial console the only data relevant in this SRC is word 6. Use the information in the list below for the meaning of word 6 to determine the twinaxial failure. The first 4 characters of word 6 contains the last 4 characters of the original failure type. For example, if word 6 contained 50010001, the twinaxial-related SRC would be A6005001 and the console type is set to use a twinaxial console. Refer to that SRC. Word 6 in the form of xxxx yy zz means the following:

- xxxx where:
 - The twinaxial-related SRC is represented by the first 4 characters.
- yy where:
 - 0A = No console tagged
- zz where:
 - 00 = Not defined by user (old default value)
 - 01 = Twinaxial
 - 02 = Operations Console (Direct) (obsolete)
 - 03 = Operations Console (LAN)
 - 04 = Hardware Management Console (HMC) or Thin Console

If you are attempting to use Operations Console, the local console on a network uses words 3, 4, and 5. Use words 3 through 5 to select the appropriate section in the following list.

1. Word 3 is "1": No supported HW detected or HW detected is not expected (for example, you replaced the LAN IOA so the serial number is different) In some cases the serial number of the expected adapter may be shown in word 5.
2. Word 3 is "2": The LAN IOA failed to report.
3. Word 3 is "3": Hardware error. Common error codes in word 4:
 - 53001A80 and 53002AC0: Network, cable or the LAN adapter may not be operational. Word 5 may contain the card position or serial number of the adapter.

- 00000000: This error code indicates the adapter reported but has not been initialized yet. This is not considered an error, at this time. The adapter should be activated shortly. Word 5 may contain the card position or serial number of the adapter.
- CC10031A: Adapter was activated but did not reach LinkUp state. The card was given more than a minute to link up to its partner (probably a switch) and it didn't do so. Likely conditions:

- The cable is unplugged on one end or the other, or is defective.
- The switch port is not operational.

Once this error code is received, the problem will not resolve itself until something restarts the device driver. Word 5 may contain the card position or serial number of the adapter.

- For other error codes contact your service provider. Word 5 may contain the card position or serial number of the adapter.

4. Word 3 is "4": BOOTP status: Word 4 contains the number of attempts. If attempts are zero, then BOOTP is ready, when called. If attempts have a value, then the PC did not respond. Word 5 may contain the card position or serial number of the adapter.

5. Word 3 is "5": The system's LAN connection is active but the PC failed to connect. Are the PC and system on the same network and using the same protocol? Can the PC ping the system? (ping serverhostname). Word 4 contains the IP address. Word 5 may contain the card position or serial number of the adapter.

Problem determination

Look at words 3-8 on the console. If words 3-5 are non-zero the failing item is most likely an ASYNC card. If words 6-8 are non-zero the failing item is most likely a LAN card.

Word 7 meanings for the failure identified:

- 1 Async card not detected.
- 2 No cables detected. Word 8 is the Card position. Word 9 is the card type.
- 3 Wrong cable detected. Word 8 is the card position. Word 9 is the cable ID.
- 4 Port in use. Word 8 is the card position. Word 9 is the card type.
- FA Not configured for direct cable

Note: It is expected that a D-mode IPL with a new load source direct access storage device (DASD) will show the console type value of 00. Examples of when this can occur might be that the copy of data from a

failing DASD did not copy all data or you are installing a new logical partition. Also, there are times when the DASD is late reporting and the console type value was not retrieved in time. In these cases you can use the console service function to set a console type value or attempt to contact the console again.

Failing Item

- [OPCIP03](#)
- [FI00719](#)

A6xx5010

Explanation:

IPL service function ended abnormally.

Failing Item

- [LICIP04](#)
- [AJDG301](#)

A6xx5014

Explanation:

DST status. The Storage Management Dual Path Information Screen option to dump data to a PAL has completed successfully.

A6xx5015

Explanation:

DST error. An error has occurred gathering data for the Storage Management Dual Path Information Screen option to dump data to a PAL. Contact your next level of support or hardware service provider.

Failing Item

- [NEXTLVL](#)

A6xx5082

Explanation:

DST lost contact with the console.

Response

A service program lost contact with the system console.

Failing Item

- [RTRIP03](#)
- [AJDG301](#)
- [USER](#)

A6xx5083

Explanation:

IPL service function ended abnormally.

Response

A service program lost contact with the system console.

Failing Item

- [TWSIP01](#)
- [AJDG301](#)
- [USER](#)

A6xx5090

Explanation:

System startup failed in unattended IPL mode.

Response

Perform the following:

- If reference code A6xx5090 is displayed on the control panel for more than 10 minutes, perform the procedure indicated in the failing item list.
- For reference code B6xx5090, perform the procedure indicated in the failing item list.

Failing Item

- [LICIP11](#)
- [FI00580](#)
- [FI00500](#)
- [FI00301](#)
- [FI00021](#)
- [FI00065](#)
- [AJDG301](#)

A6xx5092

Explanation:

System is in DASD migration mode.

Response

Install Licensed Internal Code and Upgrade Load Source was specified but the key is not in the manual position. Change the key position to manual and perform a system IPL.

A6xx5094

Explanation:

IASP detected a failure during the vary on operation.

Failing Item

- [LICIP12](#)

A6xx50FF

Explanation:

DST unrecoverable program error.

Failing Item

- [LICIP03](#)
- [AJDG301](#)
- [FI00380](#)

A6xx5120

Explanation:

System LIC detected a program exception.

Response

System LIC detected a programming problem. If performance or other system degradation is occurring, the system may be operating with reduced resources.

Check the Product activity log for related entries. If this reference code is logged with an error class of Informational, then no action is required.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item

- [LICIP01](#)
- [AJDG301](#)
- [FI00130](#)

A6xx5121

Explanation:

LIC program exception occurred.

Response

System LIC detected a programming problem for which a main storage dump may have been initiated. Collect the dump if available.

A problem log entry may be generated for this refcode.

Failing Item

- [LICIP01](#)
- [AJDG301](#)

A6xx5122

Explanation:

LIC program exception occurred.

Response

System LIC detected an IOP programming problem for which an IOP dump may have been initiated.

Failing Item

- [LICIP01](#)
- [FI00130](#)
- [AJDG301](#)
- [FI00131](#)

A6xx5123

Explanation:

LIC program exception occurred.

Response

System LIC detected an interface problem with the IOP or an IOP programming problem for which an IOP and main storage dump may have been initiated.

Failing Item

- [LICIP01](#)
- [FI00130](#)
- [AJDG301](#)
- [FI00131](#)

A6xx5126

Explanation:

Addressed device failed to respond to selection.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)
- [DISKTRY](#)
- [FI01106](#)
- [FI01140](#)
- [FI01141](#)
- [DEVTERM](#)
- [BACKPLN](#)

A6xx5127

Explanation:

IOP timed out a disk command.

Failing Item

- [DISKDRV](#)
- [STORIOA](#)

- [FI01106](#)
- [DISKTRY](#)
- [FI01140](#)
- [FI01141](#)
- [DEVTERM](#)
- [BACKPLN](#)

A6xx5128

Explanation:

I/O processor failure.

Failing Item

- [FI01112](#)
- [FI01107](#)

A6xx512D

Explanation:

An IOP dump was initiated.

Response

Copy the IOP dump entry and any related entries from the Product Activity Log to suitable media, and give to an IBM service representative.

A6xx512E

Explanation:

LIC program exception occurred.

Response

The system was in a D IPL mode when the problem was detected. A main storage dump was not taken.

Failing Item

- [LICIP01](#)
- [AJDG301](#)
- [FI00130](#)

A6xx5192

Explanation:

Insufficient entitled memory for the I/O configuration.

Response:

Use the hardware management console to increase the entitled memory capacity of the partition and restart the I/O adapter. To restart a storage I/O adapter, use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. To restart a communications I/O adapter, vary the line off and vary it on using the vary configuration (VRYCFG) command.

Failing Item

- [SVCDOS](#)

A6xx5193

Explanation:

Virtual adapter not supported in a shared memory partition.

Response:

Use the hardware management console to remove the virtual adapter from the partition.

Failing Item

- [SVCDOS](#)

A6xx5194

Explanation:

Insufficient entitled memory for the I/O configuration.

Response:

Use the hardware management console to increase the entitled memory capacity of the partition and restart the partition.

Failing Item

- [SVCDOS](#)

A6xx5206

Explanation:

System LIC detected a missing IOP LIC code load.

Response

System LIC detected a missing IOP LIC code load during IPL of the IOP. This indicates that either the IOP code load is not installed on the system Load Source device or that system LIC was unable to successfully read that load from the Load Source device.

Failing Item

- [LICIP01](#)
- [USER](#)

A6xx5209

Explanation:

System LIC detected an IOP timeout during IOP IPL.

Response

Verify that all IOP cable connections are secure, and check tape and other non-disk devices and media to verify that they are in a ready state.

Failing Item

- [LICIP01](#)
- [USER](#)
- [FI00130](#)
- [AJDG301](#)

A6xx5219

Explanation:

LIC program exception occurred.

Response

An IOP signaled to system LIC that it had entered a critical internal state. LIC automatically attempted to restart the IOP.

This reference code is logged for information only. No action is required.

If this reference code appears in a serviceable event view then service is required, work the failing items list. Otherwise this event can be ignored.

Failing Item

- [FI00310](#)
- [FI00318](#)
- [FI00065](#)
- [FI00130](#)
- [AJDG301](#)

A6xx5275

Explanation:

The system issued a reset/reload to the IOP.

Response

System Licensed Internal Code detected that an IOP Reset/Reload has occurred, and that the IOP successfully recovered.

Users who were signed on to a Workstation device under the IOP will need to sign back on. Any LAN/WAN communications lines under the IOP will need to be restarted. Tape/Optical devices under the IOP may need to be varied back on.

To determine the cause of the IOP Reset/Reload, check the Product Activity Log for additional entries logged with the same System Log ID, and perform any actions indicated for those errors.

A6xx5276

Explanation:

IOP Reset was issued.

Response

LIC has detected a problem with the Service Processor IOP and has reset it but has not initiated reload of the Service Processor.

If the Load Source is mirrored, some system operations may be able to continue normally. However, some system service operations have been suspended and the system should be scheduled for power down as soon as possible.

Failing Item

- [RTRIP08](#)
- [AJGLD01](#)
- [AJDG301](#)
- [FI00021](#)

A6xx5310**Explanation:**

LIC program exception occurred.

Response:

System LIC detected a logical partition configuration data consistency error. Copy the Product Activity Log data for this error and any related entries and contact your next level of hardware service support.

Failing Item

- [LPARSUP](#)

A6xx5311**Explanation:**

LIC program exception occurred.

Response

LPAR configuration data does not match current system configuration. The system will not IPL past DST until the problem is corrected.

Following is a list of problems which may have caused this SRC to be reported:

- Non-configured disk unit which was previously a load source on a partitioned system.
- Load Source configuration data does not match partition for which it is being used.
- Load Source configuration data does not match system serial number for which it is being used.

- Load Source configuration data is newer than primary partition configuration data.

Failing Item

- [LPRIP01](#)
- [LPARSUP](#)

A6xx5312**Explanation:**

LIC program exception occurred.

Response

LPAR configuration data informational error.

The LPAR configuration data was found to be in error or inconsistent on a secondary partition's Load Source. The data was automatically updated to the current system level.

A6xx5313**Explanation:**

LIC program exception occurred.

Response

LPAR configuration data informational error.

The LPAR configuration data was found to be inconsistent on a primary partition and could only be corrected with an older copy of the data.

Failing Item

- [LPARCFG](#)

A6xx5340**Explanation:**

Secondary partition not running at optimum.

Response:

Check the Primary partition's Product Activity Log for system processor entries from approximately the same time. Perform the actions indicated for those entries.

A6xx5341**Explanation:**

Secondary partition not running at optimum.

Response:

Check the primary partition Product Activity Log for system memory entries from approximately the same time. Perform the actions indicated for those entries.

A6xx5342

Explanation:

Secondary partition not running at optimum.

Response:

Check the Primary partition's Product Activity Log for system processor entries from approximately the same time. Perform the actions indicated for those entries.

A6xx5343**Explanation:**

Secondary partition not running at optimum.

Response:

Check the Primary partition's Product Activity Log for system memory errors from approximately the same time. Perform the actions indicated for those entries.

A6xx5344**Explanation:**

Secondary partition not running at optimum.

Response

The interactive performance specified in the configuration data for this partition could not be met.

Contact your next level of support.

Failing Item

- [LPARSUP](#)

A6xx5350**Explanation:**

Secondary partition software release not supported.

Response

The logical partition software version is outside the supported release delta.

Check the Release Delta from the Primary partition "Display Partition Release Level" screen.

Check the LPAR documentation for the release level of the Primary partition and determine what the supported Release Delta is.

A6xx5380**Explanation:**

LIC program exception occurred.

Response

Record the Product Activity Log (PAL) hex data for this SRC or print the PAL entry.

Contact your next level of support.

Failing Item

- [LPARSUP](#)

A6xx5390**Explanation:**

LIC program exception occurred.

Response

Record the Product Activity Log (PAL) hex data for this SRC or print the PAL entry.

Contact your next level of support.

Failing Item

- [LPARSUP](#)

A6xx5505**Explanation:**

The copying of DASD log data to the IOP log was successful.

Response:

IOP log data can be copied to a spool file for examination by the development lab.

A6xx5555**Explanation:**

SLIC I/O DASD subsystem error recovery in progress.

A6xx5600**Explanation:**

Unrecoverable read error.

Response

VPD data could not be read.

Look for other errors implicating hardware. There is no way to know what VPD read has failed, but the resource is not usable and should generate an error.

If no such error occurred, call your next level of support.

Failing Item

- [SVCDOS](#)

A6xx6900**Explanation:**

System bus error.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx6901

Explanation:

Bus Expansion Adapter card failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx6902

Explanation:

Bus Expansion Adapter card failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx6905

Explanation:

Optical bus failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx6906

Explanation:

High Speed Link (HSL) or PCI bridge card slot I/O bridge failure.

Response

LIC could not access part of the HSL I/O bridge VPD. The bridge and HSL loop may be prevented from becoming operational.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event view on the hardware management console is

available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIIOADP](#)

- [OPT_CLN](#)

A6xx6907

Explanation:

High Speed Link (HSL) or PCI bridge card slot I/O bridge failure.

Response

LIC detected invalid data in the HSL I/O bridge VPD. The bridge and HSL loop may not have become operational.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event view on the hardware management console, is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIIOADP](#)

- [OPT_CLN](#)

A6xx6908

Explanation:

High Speed Link (HSL) or PCI bridge card slot I/O bridge failure.

Response

LIC data in the I/O bus VPD could not be accessed. The I/O Bus identified in the SRC may not have become operational.

If there is a B6xx 6906 reference code, close this problem in the serviceable event view you are working with and work the 6906 error.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or serviceable event view on the hardware management console or service processor is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIIOADP](#)
- [OPT_CLN](#)

A6xx6909

Explanation:

High Speed Link (HSL) or PCI bridge card slot I/O bridge failure.

Response

LIC detected invalid data in the I/O bus VPD. The bus and resources associated with it may not be operational.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

If the serviceable event view only indicated a frame or enclosure see the locations section for the frame or enclosure type. The location of the HSL I/O Bridge will be given in the locations tables.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIIOADP](#)
- [OPT_CLN](#)

A6xx690A

Explanation:

Associated adapter not found in this partition.

Failing Item

- [LICIP16](#)

A6xx6910

Explanation:

I/O processor failure.

Response

An I/O processor timed out, returned bad status, or is not following the system bus protocol.

Failing Item

- [LICIP07](#)
- [FI00310](#)
- [FI00318](#)
- [FI00065](#)
- [FI00130](#)
- [AJDG301](#)

A6xx6938

Explanation:

Not valid system configuration detected.

Response

This system model does not allow a configuration of more than three (non-OptiConnect) I/O Processors.

Power down the system and remove the extra (non-OptiConnect) I/O Processor(s) so that there are three or less. Restart the system.

A6xx6944

Explanation:

Missing or failed I/O processor cards.

Response

A system bus appears to be empty. If the bus is not empty, two I/O processors in consecutive slots may be missing or broken. If there are broken I/O processors, then another more serious SRC has occurred. Otherwise find the bus number for this failure from the Product activity log and use the system configuration list to verify the configuration of the I/O processors on that bus.

Failing Item

- [FI00317](#)
- [FI00316](#)
- [AJDG301](#)

A6xx6960

Explanation:

Multi-adapter Bridge or PCI Bridge card slot error, do not use card slot.

Response

Slot unavailable due to 64 bit card in adjacent slot.

One of the messages documented with the symbolic FRU will describe the problem. See [SLOTERR](#) symbolic FRU for a list of messages and corrective actions.

Failing Item

- [SLOTERR](#)

A6xx6961

Explanation:

Multi-adapter Bridge or PCI Bridge card slot error, do not use card slot.

Response

LED control failure, do not use slot.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See [SLOTERR](#) symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or a serviceable event viewer on the hardware management console is available for this problem then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item

- [SLOTERR](#)
- [MASBUS](#)

A6xx6962

Explanation:

Multi-adapter Bridge or PCI Bridge card slot error, do not use card slot.

Response

Power control failure, do not use slot.

If there is a Linux partition in the system, any IOPs plugged into slots owned by a Linux partition will not power on. This error will be logged. Correct the situation by removing the IOP cards.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See [SLOTERR](#) symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log, or serviceable event view on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item

- [SLOTERR](#)
- [MASBUS](#)

A6xx6963

Explanation:

Multi-adapter Bridge or PCI Bridge card slot error, do not use card slot.

Response

Power control failure, do not use slot.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See [SLOTERR](#) symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item

- [SLOTERR](#)
- [MASBUS](#)

A6xx6964

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

One of several errors or configuration problems has occurred under a Multi-adapter Bridge or PCI Bridge. If you are using the Service Action Log (SAL), or the serviceable event viewer on the hardware management console or the service processor, then the correct FRU, description and card position(s) will be listed. Use the FRUs and descriptions in the serviceable event view you are working with to determine the problem.

If you do not have access to the Service Action Log, or serviceable event view on the hardware management console or service processor, then word 4 of the SRC has more information. Examine the last 4 digits in word 4 to determine the problem by comparing them to the list below and using the FRU(s) listed here.

1. xxxx2022 - IOP found in slots owned by a Linux partition. The Multi-adapter Bridge or PCI Bridge and PCI Bridge set that it controls are assigned to a Linux partition. The IOP found in the SLOT indicated by the DSA in word 7 will not be configured.
2. xxxx2014 - I/O adapters were found under the Multi-adapter Bridge or PCI Bridge but there is no IOP to support them. The adapters cannot be used.
3. xxxx2015 - An card type was found that cannot be supported in the card position where it is located.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A6xx6965

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

Card type not supported in this slot.

An I/O processor or I/O adapter card type is installed in the location indicated in word 7 of the SRC. The card type is not supported in that slot under the Multi-adapter Bridge or PCI Bridge. The card is unavailable.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A6xx6966

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

I/O processor removed from Multi-adapter Bridge or PCI Bridge card slot.

On the previous IPL an I/O processor was in the card location specified in word 7 of the SRC. The I/O processor was not detected on this IPL.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A6xx6967

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

I/O adapter unavailable due to moved I/O processor card.

The I/O adapter specified in word 7 of the SRC is not available. On the previous IPL there was an I/O processor card the adapter was assigned to. The I/O processor was not detected on this IPL.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A6xx6968

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

IOA removed from Multi-adapter Bridge or PCI Bridge slot.

On the previous IPL an I/O adapter was in the card slot specified in word 7 of the SRC. That I/O adapter was not detected on this IPL.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A6xx6969

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response

I/O adapter replaced by I/O processor card.

On the previous IPL there was an I/O adapter in the location specified in word 7 of the SRC. This IPL LIC detected that the IOA was replaced by an IOP in that location.

See [MABRCFG](#) symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item

- [MABRCFG](#)

A6xx696A

Explanation:

Card slot test failed.

Failing Item

- [LICIP14](#)
- [FI00131](#)
- [BACKPLN](#)

A6xx696B

Explanation:

Card slot could not be validated.

Response

This can be caused by "PCI error injection policy" being set to "YES" and an I/O Processor being installed on the same Multi-adapter Bridge or PCI Bridge domain as the I/O Adapter. Do one of the following. Either:

- Using the hardware management console or a customer PC with a Web browser access the Advanced System Management Interface (ASMI) and disable PCI error injection policy.

OR:

- Vary off the I/O Adapter. Using Hardware Service manager in SST/DST, locate the I/O Adapter resource. Using concurrent maintenance on the associated packaging resource, remove the I/O Adapter and install it in a location that does not have I/O Processors on the same Multi-adapter bridge domain.

OR:

- Vary off the I/O Adapter. Use the concurrent maintenance option in Hardware Service Manager in SST/DST to power off all I/O Processors located on the same Multi-adapter Bridge or PCI Bridge domain as the I/O Adapter. Use concurrent maintenance to power off and power on the I/O Adapter. Then use concurrent maintenance to power on the I/O Processors located on the same Multi-adapter Bridge or PCI Bridge domain as the I/O Adapter.

A6xx6970

Explanation:

High Speed Link (HSL) or PCI bridge card slot resource failure.

Response

A system PCI bus failure was detected. Word 7 of the SRC contains the bus number.

This failure can occur when a tower in an HSL loop is powered off using concurrent maintenance. If this is the case, close this problem.

This error is most likely in the hardware that makes up the PCI bus, the PCI bus side of the HSL I/O bridge or the Multi-adapter Bridge or PCI Bridge. In some cases it may be caused by a failing IOP in the Multi-adapter Bridge or PCI Bridge domain. When an IOP is causing the problem, the failing IOP cannot be identified.

NOTE: This SRC can occur for the PCI bus resource on a PCI bus in an I/O expansion unit when the unit is powered off for a concurrent maintenance action.

If the Service Action Log, or serviceable event view on the hardware management console or service processor, is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SI_PHB](#)
- [PRI_PCI](#)
- [MA_BRDG](#)
- [MABIP03](#)
- [BRDGSET](#)
- [OPT_CLN](#)

A6xx6971

Explanation:

High Speed Link (HSL) or PCI bridge card slot resource failure.

Response

A failure occurred in a Multi-adapter Bridge or PCI Bridge or on the bus to the card location it controls.

If a serviceable event view is available, use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available, use the failing item list documented here.

Failing Item

- [MABIP02](#)
- [MA_BRDG](#)
- [MASBUS](#)
- [PIOCARD](#)

A6xx6972

Explanation:

High Speed Link (HSL) or PCI bridge card slot resource failure.

Response

Multi-adapter Bridge (MaB) or PCI Bridge failure detected.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item

- [MA_BRDG](#)

A6xx6973

Explanation:

High Speed Link (HSL) or PCI bridge card slot resource failure.

Response:

Multi-adapter Bridge or PCI Bridge has detected a problem in the card installed in the location specified in word 7 of the SRC. Use the FRU list in the Service Action Log (SAL), or serviceable event view you are working with. If you are working from this document's FRU list use the Symbolic FRU [BRDGSET](#) to determine the failing items.

Failing Item

- [BRDGSET](#)
- [SIIOADP](#)
- [MA_BRDG](#)

A6xx6974

Explanation:

Multi-adapter Bridge or PCI Bridge configuration change or error.

Response:

PCI I/O processor rejected the assignment of or the removal of an I/O adapter.

Failing Item

- [MABRCFG](#)

A6xx6975

Explanation:

The system issued a reset/reload to the service processor.

Response:

Service processor error.

Failing Item

- [AJDGP01](#)

A6xx6976

Explanation:

Service processor failure.

Response

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or a serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event viewer is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item

- [SVCPROC](#)

A6xx6980

Explanation:

Network Interface Controller / IO Hub failure.

Response

For Power5 and newer servers, service this error using the B7006980 service information. Otherwise, continue with this information.

The FRU list displayed in the Service Action Log (SAL) or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SICNTRL](#)
- [OPT_CLN](#)

A6xx6981**Explanation:**

High Speed Link (HSL) or PCI bridge card slot I/O bridge failure.

Response

For Power5 and newer servers, service this error using the B7006981 service information. Otherwise, continue with this information.

Cycle power on the frame identified as the frame with failed HSL I/O Bridge prior to replacing FRUs.

The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are using, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

If you find either a B6xx 6982 or B6xx 6984 SRC logged at approximately the same time as this SRC then they were caused by the same failure. If you find a 6982 SRC logged at approximately the same time then close this problem and service the 6982 SRC. The failing item listed for this SRC is one of the failing items listed for B6xx 6982. If the serviceable event view's entry for this SRC has a location listed then record the location for use in servicing the 6982 SRC.

NOTE: This SRC can occur for the HSL I/O Bridge resource in an I/O expansion unit when the unit is powered off for a concurrent maintenance action.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIIOADP](#)
- [OPT_CLN](#)

A6xx6982**Explanation:**

High Speed Link (HSL) connection failure.

Response

For Power5 and newer servers, service this error using the B7006982 service information. Otherwise, continue with this information.

If this SRC is not in the Service Action Log (SAL) or serviceable event view you are using, then it is informational or statistical only. It does not require a service action.

Otherwise, this is a connection failure on an HSL link. Perform the procedure indicated in the failing item list.

Failing Item

- [RIOIP09](#)
- [HSL_LNK](#)
- [SIIOADP](#)
- [SICNTRL](#)
- [REM_NIC](#)
- [OPT_CLN](#)

A6xx6983**Explanation:**

A High Speed Link (HSL) / RIO / 12X loop configuration event was detected. The loop may have an unsupported configuration or a configuration that is not valid or the loop is in a state that LIC is logging for potential future reference.

Problem determination

LIC is reporting an event about the state of a RIO / HSL / 12X loop. Word 4 of the SRC contains the program return code (PRC) which identifies the state or problem with the loop.

For Power5 and newer servers, if this event appears in a serviceable event view then a service action is required. This SRC may also be logged as informational when it is recording information about the loop that is not a problem for the LPAR.

If this event does not appear in a serviceable event view then no service is required. To determine what the event meaning is record the PRC in word 4 of the SRC then use symbolic FRU [SIRGCFG](#). This completes the procedure.

If this event appears in a serviceable event view then search for a B7006983 serviceable event logged at about the same time.

Did you find a B7006983 serviceable event logged at about the same time in the LPAR?

- YES - Service this error by working the B7006983 error.
- NO - Continue working this SRC. If you are using the Service Action Log (SAL) the FRU description may already indicate the configuration problem. Otherwise record the PRC in word 4 of the SRC. Use symbolic FRU [SIRGCFG](#) to determine the problem.

Failing Item

- [SIRGCFG](#)

A6xx6984**Explanation:**

High Speed Link (HSL) loop status message.

Response

For Power5 and newer servers, service this error using the B7006984 service information. Otherwise, continue with this information.

An HSL loop has switched to its alternate path. This is an informational SRC only.

Word 7 of the SRC contains the loop number in the leftmost 4 digits. The loop number is in hexadecimal format. You must convert the hexadecimal loop number into decimal format to recognize the loop number in HSM.

This SRC can be caused by a tower on the HSL loop powering off.

This SRC may also appear in the Service Action Log (SAL), or serviceable event viewer you are using, with a B6xx 6982 or B6xx 6981 logged at approximately the same time. In that case the other SRC is reporting a failure and this SRC is reporting that the alternate HSL path is now being used. Service the other SRC if present.

A6xx6985**Explanation:**

High Speed Link (HSL) loop status message.

Response

For Power5 and newer servers, service this error using the B7006985 service information. Otherwise, continue with this information.

If this SRC is not in the Service Action Log (SAL), or serviceable event view you are using, then it is informational. Use FRU SIRSTAT to determine what this SRC means. Otherwise, continue with the following steps:

This error can appear as a serviceable event when a tower, or I/O unit or another system in the loop did not complete powering on before LIC on this system checked this loop for errors. Search the Product Activity Log (PAL) for the last B6xx 6985 SRC logged for this loop and use FRU SIRSTAT to determine if this error requires service. If the last entry indicates the loop is functioning (determined by FRU SIRSTAT) then no service action is required, close this problem

There may be multiple B6xx 6985 logs with xxxx 3205 in word 4 errors for the same loop resource in the

serviceable event view. This is caused by retry and recovery attempts. If there is a B6xx 6985 with xxxx 3206 or xxxx 3208 in word 4 after the above B6xx 6985 entries in the PAL, then the recovery efforts were successful. If this is the case, close all the B6xx 6985 entries for that loop resource in the serviceable event view.

1. If you find a B6xx 6981 in the serviceable event view then close that problem and go to step 2. Otherwise perform the following:
 - Perform [RIOIP06](#) to determine if any other systems are connected to this loop and return here. (HSL_LNK or HSLxxxx FRU in the Service Action Log (SAL) entry, or serviceable event view you are working with, indicates the loop number.) If there are other system(s) then continue with the steps that follow, otherwise go to step 2.
 - Check for HSL failures on the other system(s) before replacing parts. HSL failures are serviceable event entries with HSL I/O Bridge and Network Interface Controller (NIC) resources. Ignore B6xx 6982 and B6xx 6984 entries. If there are HSL failures on other system(s) then continue with the steps that follow, otherwise go to step 2.
 - Repair the problems on the other systems and return to this step. After making repairs on the other system(s) check the Product Activity Log (PAL) of this system for a B6xx 6985 logged after the repairs you made on the other system(s). If you find one then continue with the steps that follow, otherwise go to step 2.
 - For the B6xx 6985 log you found, use FRU SIRSTAT to determine if the loop is now complete. If the loop is complete then this problem has been resolved. Use [RIOIP01](#) to verify that the loop is now working properly. Otherwise, go to step 2.
2. Use the serviceable event's FRU list when it is available. If this SRC appears in the Service Action Log (SAL), or the serviceable event view you are using, with the Symbolic FRU HSL_LNK or HSLxxxx listed as a FRU, then perform problem isolation procedure [RIOIP01](#). Otherwise exchange the FRUs listed in the serviceable event view.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item

- [SIRSTAT](#)
- [HSL_LNK](#)
- [SIIOADP](#)

- [SICNTRL](#)
- [OPT_CLN](#)

A6xx6986

Explanation:

System bus error.

Response

For Power5 and newer servers, service this error using the B7006986 service information. Otherwise, continue with this information.

During IPL, system LIC detected an HSL I/O bridge that was already initialized. The bridge should have been in a flushed and uninitialized state after powering on. There is a problem with SPCN components that prevented the tower from powering off after a previous power off was issued. The tower will not be configured for this IPL.

This reference code is equivalent to 1xxx 90F0. When referring to the "CBLALL" symbolic FRU in the Failing Item list, perform the "CBLALL" procedure using reference code "90F0".

Word 5 of the SRC identifies the frame. Determine the frame by breaking down word 5:

Word 5 -> xxxx xxNN where: NN is the frame number in hexadecimal format.

Failing Item

- [TWRCARD](#)
- [CBLALL](#)

A6xx6987

Explanation:

High Speed Link (HSL) connection failure.

Response

For Power5 and newer servers, service this error using the B7006987 service information. Otherwise, continue with this information.

Failures are occurring on the HSL link.

There may be B6xx 6982 errors logged on the same loop and about the same time as this error. Close those errors and continue to correct the problem by working this error.

- If there is a cable FRU in the serviceable event entry:
 1. If the connection is copper and either end has a loose connection, re-seat the cable. To do this,

disconnect the connection and wait a minimum of 30 seconds. Then reconnect the cable and complete the tightening process in at most 30 seconds. Repeat the process at the other end of the cable. If the error persists, replace the FRUs in the Service Action Log (SAL), or serviceable event view you are using.

2. If the connection is optical, clean the connections at both ends of the cable. If the error persists, replace the FRUs in the Service Action Log (SAL), serviceable event view you are using.
 3. If the error persists, replace the FRUs at each end of the cable starting with the FROM FRU listed in the serviceable event view you are using.
- If there was no cable in the Service Action Log (SAL), or serviceable event view you are using, then replace the FRUs listed in the serviceable event view.

Failing Item

- [HSL_LNK](#)
- [OPT_CLN](#)

A6xx6988

Explanation:

A High Speed Link (HSL / HSL2) or RIO / RIO-G loop was detected on the system this LPAR is running on. This version of the operating system does not support resources on an HSL / HSL2 / RIO / RIO-G loop. If resources on the loop are assigned to this LPAR, for example in the partition profile, the resources will not show up in this IBM i LPAR.

A6xx6990

Explanation:

Service processor failure.

Response:

The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item

- [SVCPROC](#)

A6xx6991

Explanation:

Service processor failure.

Failing Item

- [AJDGP01](#)

A6xx6992

Explanation:

Service processor failure.

Failing Item

- [AJDGP01](#)

A6xx6993**Explanation:**

Service processor failure.

Response

A failure occurred with the service processor hardware or the service processor LIC.

The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item

- [SVCPROC](#)
- [AJDGP01](#)

A6xx6994**Explanation:**

Service processor failure.

Response:

The FRU list displayed in the Service Action Log (SAL) or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item

- [SVCPROC](#)

A6xx699C**Explanation:**

Wrap plug is installed on Bus Expansion Adapter card.

Response

This reference code is for information only. It indicates the presence of a wrap plug on the local optical link card.

A6xx69A8**Explanation:**

Informational bus reference code.

Response

This reference code is for information only and might include the following:

- Optical speed encode.
- Broken optical links now operational.
- Other information.

A6xx69B8**Explanation:**

Bus hardware configuration problem.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx69C1**Explanation:**

A failure occurred communicating with another LPAR or system participating in Opti-connect with this LPAR or system. Starting with IBM i release 7.1 this event will be logged in the Product Activity Log but it will not be in the Service Action Log or the Problem Log. This event normally occurs when the other LPAR or system is powered off. If both LPARs or systems are running and have no Opti-connect errors then this event is indicating a possible problem with Opti-connect.

Response:

Contact your next level of support if you suspect an Opti-connect problem. Otherwise this is a tracking event.

Failing Item

- [NEXTLVL](#)

A6xx69C2**Explanation:**

HSL Opticonnect normal connect to another sys. or partition.

Response

This reference code is informational only.

HSL OptiConnect has established connection normally. The local system or partition is participating in HSL Opticonnect with other systems or partitions on the same HSL loop.

A6xx69C3**Explanation:**

HSL Opticonnect normal disconnect from other sys. or partition.

Response

This reference code is informational only.

HSL Opticonnect disconnected normally from a remote node. The local system or partition has stopped participating in HSL Opticonnect with the remote system or partition on the same HSL loop. Possible reasons include:

- A remote system or partition went off line due to a normal power off or disable of HSL Opticonnect.

A6xx69C5

Explanation:

I/O processor failure.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx69C6

Explanation:

HSL Opticonnect abnormal disconnect from other sys. or partition.

Response

The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. The problem is most likely with the remote system or partition. Intervention at the remote system is most likely required. Examine both the local and remote HSL OptiConnected systems or partitions for problems on this HSL loop.

Possible reasons include: A fatal error in software or hardware in the remote system or partition or a power failure in the remote system.

If there was not a complete HSL loop before this error occurred then a failure or power down in an HSL component between the local system or partition and the remote system or partition could have caused this error. Check for a problem with: an HSL cable, HSL I/O bridge or a power problem in an expansion I/O tower or unit on this loop.

Examine the Service Action Log (SAL), or serviceable event view you are using on the local system or

partition for HSL failures on the same HSL loop at approximately the same time this error occurred.

Examine the remote system or partition for problems. If the remote system or partition is powered on and IPL'd then examine the Service Action Log (SAL), or serviceable event view you are using, on the remote system or partition for problems on the same HSL loop at approximately the same time this error occurred.

Correct any problems you find with the remote and local systems or partitions that happened at approximately the same time and involve HSL Opticonnect or HSL loop components or Network Interface Controllers. When the remote system is IPL'd it will automatically reconnect with this system or partition.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log information for this failure on both systems. Be sure to record all words in the SRC. Contact your next level of support.

Failing Item

- [REM_SYS](#)

A6xx69C7

Explanation:

HSL Opticonnect abnormal disconnect from other sys. or partition.

Response

The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. LIC will attempt to recover from the error. Intervention at the local or remote system or partition may be required.

Possible causes are: time out, hang or hardware failure. The problem may be with: the local system or partition or the remote system or partition.

If there was not a complete HSL loop before this error then a failure or power down in an HSL component between the local system or partition and the remote system or partition could have caused this error. Check for SRCs with FRUs like: HSL cables, HSL I/O bridge or a power problem in an expansion I/O tower or unit on this loop.

Examine the SAL or serviceable event view you are working with on the local system or partition for

failures on the same loop, or with the Network Interface Controller at approximately the same time.

Examine the remote system or partition for problems. Correct any HSL or NIC problems you find with the remote and local systems or partitions.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log (PAL) information for this failure on both systems. Be sure to record all words in the SRC. Contact your next level of support.

Failing Item

- [REM_SYS](#)
- [LOC_SYS](#)

A6xx69C8

Explanation:

HSL Opticonnect abnormal disconnect from other sys. or partition.

Response

The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. All of the HSL OptiConnect connections on this loop will be in a failed state. LIC will attempt to recover from the error. Intervention at the local or remote system or partition may be required. Possible causes are:

- time out of a critical message
- LIC code / table problem
- Network deadlock detected

The problem may be with:

- The local system or partition
- The remote system or partition

Examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL failures on the same HSL loop, or with the Network Interface Controller at approximately the same time this error occurred.

Examine the remote system or partition for problems. Examine the Service Action Log (SAL), or serviceable event view you are using, on the remote system or partition for problems on the same HSL loop or with the Network Interface Controller at approximately the same time this error occurred.

Correct any problems you find with the remote and local systems or partitions that happened at approximately the same time and involve HSL Opticonnect or HSL loop components or Network Interface Controllers.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log information for this failure on all systems or partitions. Be sure to record all words in the SRCs. Contact your next level of support.

Failing Item

- [REM_SYS](#)
- [LOC_SYS](#)
- [AJDG301](#)

A6xx69C9

Explanation:

HSL Opticonnect abnormal disconnect from other sys. or partition.

Response

The local system or partition disconnected from a remote system or partition due to an failure in a LIC virtualized bus unit. LIC will attempt to recover from the error. Possible causes are:

- LIC problem where the local bus unit is off line.
- LIC problem where the remote bus unit is off line.

Examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL Opticonnect failures that occurred at approximately the same time this error occurred.

Examine the remote system or partition for problems. Examine the Service Action Log (SAL), or the serviceable event view you are using, on the remote system or partition for HSL Opticonnect problems that occurred at approximately the same time this error occurred.

Collect all the Product Activity Log information for this failure on all systems and partitions on this HSL loop. Be sure to record all words in the SRCs. Contact your next level of support with the information you have collected.

Failing Item

- [AJDG301](#)
- [REM_SYS](#)

- [LOC_SYS](#)

A6xx69CF**Explanation:**

HSL Opticonnect abnormal disconnect from other sys. or partition.

Response

LIC internal error. All systems participating in HSL OptiConnect will be disconnected. The system must be re-IPL'd to recover. Before re-IPL'ing the system initiate a main store dump.

After getting the dump, examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL Opticonnect failures that occurred at approximately the same time this error occurred.

Examine the remote systems or partitions for problems. Examine the Service Action Log (SAL), or serviceable event view you are using, on the remote systems or partitions for HSL Opticonnect problems that occurred at approximately the same time this error occurred.

Collect all the Product Activity Log information for this failure on all systems and partitions on this HSL loop. Be sure to record all words in the SRCs. Contact your next level of support with the information you have collected.

Failing Item

- [AJDG301](#)

A6xx69D0**Explanation:**

Bus Expansion Adapter card failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx69D8**Explanation:**

Bus Expansion Adapter failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx69D9**Explanation:**

Host Ethernet Adapter (HEA) failure.

Response:

Firmware detected a hardware failure in the Host Ethernet Adapter (HEA).

Failing Item

- [HEA](#)

A6xx69DA**Explanation:**

System log entry only, no service action required.

A6xx69DB**Explanation:**

LIC failure.

Response:

A Licensed Internal Code error occurred. The partition will continue to run with this Host Ethernet Adapter (HEA) disabled. Perform a partition dump and then IPL the partition to recover the HEA. Send the partition dump to your next level of support.

Failing Item

- [SVCDOS](#)

A6xx69DC**Explanation:**

The Host Ethernet Adapter (HEA) is not connected to the Ethernet switch.

Response

The Host Ethernet Adapter (HEA) is not connected to the Ethernet switch. If the HEA connection is not needed, no service action is required.

If the HEA connection is needed, verify that the cable is connected and the switch is powered on. After repairing the problem, verify that the connection has been restored.

A6xx69DD**Explanation:**

The Host Ethernet Adapter (HEA) connection to the Ethernet switch has been restored.

Response:

System log entry only, no service action required.

A6xx69DE**Explanation:**

Host Ethernet Adapter (HEA) Media Interface Adapter Failure.

Response:

Firmware detected a failure in the HEA Media Interface Adapter.

Failing Item

- [HEA](#)
- [AJDG301](#)

A6xx69E0

Explanation:

Bus Expansion Adapter card failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx69E8

Explanation:

Bus Expansion Adapter failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx69F0

Explanation:

Bus Expansion Adapter failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx69F8

Explanation:

Bus Expansion Adapter failed.

Response:

Contact your next level of support.

Failing Item

- [NEXTLVL](#)

A6xx7001

Explanation:

ISDN call in rejected.

Failing Item

- [UG3LB](#)

A6xx7002

Explanation:

Lines not selected.

Failing Item

- [UG3LB](#)

A6xx7003

Explanation:

Network interfaces not selected.

Failing Item

- [UG3LB](#)

A6xx7004

Explanation:

TCP/IP informational error.

Response

This reference code is logged when the TCP/IP Attribute Log Protocol Errors is set, and the TCP/IP System LIC silently discards an in bound datagram. Silently discard is defined to mean discard the received datagram without reporting an error to the originating host device. Examples of such datagrams are those with checksums or destination addresses which are not valid.

This reference code is for information only. Normally no action should be taken as a result of this reference code. It is generated in order to assist with remote device or TCP/IP network problem determination.

A6xx7055

Explanation:

Statistics were logged, no service action required.

Response

This reference code is logged for information only.

A6xx7100

Explanation:

APPN session initiation attempt has timed out.

Response

This reference code is used to indicate that LIC timed out on a request to initiate a session.

The user must run problem analysis for this reference code. If this indicates a software problem, the user should dial IBM Software Support for assistance.

The Problem Determination Procedure (PDP) will indicate whether the original timeout condition still exists and what the corrective actions should be.

Failing Item

- [AJDG301](#)
- [UPLF3](#)
- [UPLF1](#)
- [UPLF2](#)

A6xx7101

Explanation:

APPN session initiation attempt has failed.

Response

This reference code is used to indicate that LIC attempted to satisfy a session initiation request, but some failure condition was detected by LIC. The failure condition could be a configuration or operational problem in the network.

The user must run problem analysis for this reference code. If this indicates a software problem, the user should dial IBM Software Support for assistance.

The Problem Determination Procedure (PDP) will indicate whether the original timeout condition still exists and what the corrective actions should be.

Failing Item

- [UPLF4](#)
- [UPLF5](#)
- [UPLF6](#)
- [AJDG301](#)

A6xx7102

Explanation:

APPN CP-CP session ended.

A6xx7201

Explanation:

A utility failure occurred.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a utility failure.

A6xx7202

Explanation:

Utility power restored.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is reporting that utility power has been restored.

A6xx7203

Explanation:

A battery low condition was detected.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a battery low condition.

A6xx7204

Explanation:

Uninterruptible Power System reported a bypass active.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a bypass is active.

A6xx7205

Explanation:

Battery low condition was reset.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is no longer reporting a battery low condition.

A6xx7206

Explanation:

UPS reported bypass no longer active.

Response

This reference code is for information only. The Uninterruptible Power System (UPS) is no longer reporting a bypass active condition.

A6xx720A

Explanation:

Battery Power Unit replacement dates do not match.

Response

The replacement dates for one of the Battery Power Units do not match. Run "Display Hardware Configuration" and verify that the dates match the labels on the batteries.

A6xx7703

Explanation:

System LIC detected a program exception.

Response

Storage Management detected a DASD datacheck condition and the defective sector was reallocated.

Perform a system IPL to restart the system.

A6xx7704

Explanation:

General failure detected by HRI component.

Failing Item

- [AJDG301](#)

A6xx7777

Explanation:

Hardware configuration change detected.

Response

A hardware resource is missing. The resource reported in to the system on a previous IPL, but has not reported in on the current IPL. This could occur for several different reasons.

1. It could be a normal situation where the resource is currently powered off. In this case, when the resource is powered back on, it will no longer be missing.
2. The hardware resource could also be missing if it has been removed from the system, for example, a tape drive that was replaced with a different tape drive. The service representative should use the Hardware service manager to remove the entry for this resource.
3. The resource may not have reported in on this IPL because it is failing. Perform problem analysis to determine why the resource is failing.

A6xx8000

Explanation:

A storage subsystem disk unit connection failed.

Response:

Look for other errors in the Service Action Log (SAL), or serviceable event view you are working with, and fix them.

A6xx8001

Explanation:

A storage subsystem disk unit connection failed.

Response:

Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6xx8002

Explanation:

Maximum number of redundant connections exceeded.

Response:

An attempt to activate a connection from another I/O adapter to a storage subsystem disk unit failed because the maximum number of connections are already active for this disk unit. No action required.

A6xx8003

Explanation:

A storage subsystem disk unit connection was restored.

Response:

No action required.

A6xx8004

Explanation:

A storage subsystem disk unit connection failed.

Response:

Could not read configuration information from the disk unit. Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6xx8005

Explanation:

High performance connection failed.

Response

A high performance connection to an external storage subsystem disk unit failed.

There are still two or more external storage subsystem disk unit connections, but performance might be degraded.

Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6xx8006

Explanation:

High performance connection failed.

Response

A high performance connection to an external storage subsystem disk unit failed.

There is still one more external storage subsystem disk unit connection, but performance might be degraded.

Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6xx8007**Explanation:**

High performance connection was restored.

Response

A high performance connection to an external storage subsystem disk unit was restored.

Performance is no longer degraded.

No action required.

A6xxB700**Explanation:**

A platform firmware error log was signalled to LIC but could not be retrieved from platform firmware. LIC created this event in the PAL with SRC B600B700 to log the problem.

Problem determination:

Contact your hardware service provider. This is a platform firmware problem.

Failing Item

- [NEXTLVL](#)

A6xxCF00**Explanation:**

Permanent error on removable media device.

Response:

A type D IPL terminated because of a removable media Load Source device failure. If the removable media Load Source is an external device, check the cables. If that does not correct the problem, replace the device. If the removable media Load Source is an internal device, replace the device. If the removable media Load Source is a virtual device, ensure it is set up correctly.

Failing Item

- [SVCDPCS](#)

A6xxCF01**Explanation:**

Unsupported removable media device configuration.

Problem determination:

A type D IPL terminated because of an unsupported removable media device configuration. Retry the D-IPL with a different removable media device.

Failing Item

- [SVCDPCS](#)

A6xxCFFC**Explanation:**

Optical library device condition not expected.

Response

The optical disk drive addressing within the optical library is incorrect. This error is likely to be the result of faulty cabling or switch setting following service to an optical library.

Contact your hardware service provider.

Failing Item

- [OPTLCBL](#)
- [DRVSWCH](#)

A6xxCFFD**Explanation:**

Optical drive failure.

Failing Item

- [OPTLDRV](#)

A6xxCFFF**Explanation:**

Media determined to be bad in Optical library.

A6xxF103**Explanation:**

Main storage dump must be copied for service.

Failing Item

- [LICIP01](#)

A6xxF104**Explanation:**

LPAR service function directed a Main Storage Dump.

Response

The Hypervisor terminated a partition with an unresponsive Operating System. A Main Store Dump must be done for service. Call your next level of support when the dump is complete.

Failing Item

- [LICIP01](#)

A6xxF105

Explanation:

Licensed Internal Code detected error.

Failing Item

- [NEXTLVL](#)

A6xxFDC0

Explanation:

LIC program reported informational error.

Response

This reference code is logged for information only. No action required.

A6xxFDC5

Explanation:

LIC program failed and data was captured.

Response

This reference code indicates first failure data capture (FFDC) data was collected for a problem reported by licensed internal code.

The user should dial IBM Software Support for assistance.

Failing Item

- [UG3AS](#)

(A7xx) Reference codes

An A7xx reference code indicates that an event or error was detected and logged by platform firmware. To resolve an A7xx reference code, determine if the SRC requires a service action. If the SRC is listed in a serviceable event view, use the FRU list from the serviceable event view to determine the actions to take. If you do not find the SRC in a serviceable event view, then it is an informational event and does not require service action.

A7001150

Explanation:

System log entry only, no service action required.

Response

No action needed unless a serviceable event was logged. If a serviceable event was logged, resolve that error.

A7001151

Explanation:

System log entry only, no service action required.

Response

No action needed unless a serviceable event was logged. If a serviceable event was logged, resolve that error.

A7001152

Explanation:

Platform firmware detected a timeout condition.

Response

A reset/reload of the service processor has cleared the timeout condition.

If a service processor dump exists, it should be collected for IBM Service.

Failing Item

- [NEXTLVL](#)

A7001160

Explanation:

Service processor failure.

Response

Work with the FRU list in the serviceable event view if there is one, otherwise use the FRU list documented here to determine the parts to exchange.

The platform encountered an error communicating with the service processor. The platform code attempts a graceful shutdown of partitions and powers

off the server after a certain time, or when the last partition indicates shutdown, whichever comes first.

Failing Item

- [LICCODE](#)
- [SVCPROC](#)
- [PSI_LNK](#)

A7001161

Explanation:

System log entry only, no service action required.

Response

The platform encountered a service processor event indicating that the power status has changed. Note that this is A7xx only.

A7001730

Explanation:

Platform LIC detected an error.

Response

The VPD for the system is not what was expected at IPL.

When word 9 is 00180003, a redundant VPD chip exists, and the system will continue to run. Replace the VPD card at your next scheduled maintenance. When word 9 is not 00180003 replace the VPD card immediately.

Work with the FRU list in the serviceable event view, if there is one. Otherwise, use the FRU list documented here to determine the parts to exchange.

Failing Item

- [CAPACTY](#)

A700173A

Explanation:

A VPD collection overflow occurred.

Response:

Look for and resolve other errors in the serviceable event view. If that does not resolve the problem, check for firmware updates and install them, if available. If that does not resolve the problem, contact your next level of support.

Failing Item

- [SVCDOCS](#)

A700173C

Explanation:

Generic Asset Protection Event. No service action is required.

A7003000

Explanation:

User-initiated PHYP-generated SYSDUMP.

Response:

No service action required.

A7003003

Explanation:

User-initiated PHYP-content RSCDUMP.

Response:

No service action required.

A7003005

Explanation:

User-initiated device dump.

Response:

No service action required.

A7004091

Explanation:

User intervention required.

Response

The system power on has reached a standby state. The firmware does not have partition configuration information.

Use the HMC OR SDMC to activate one or more partitions to change the system from a standby state to an operating state. If the HMC or SDMC does not manage the server, perform [Restoring your server to factory settings](#).

Failing Item

- [SVCDOCS](#)

A7004700

Explanation:

Platform LIC detected an error.

Response

A problem occurred when initializing, reading, or using system VPD.

Capacity on Demand is not available because the stored activation code is not valid. Contact your next

level of support to verify your activation code. If the activation code is valid, replace the VPD card.

Failing Item

- [SVCDPCS](#)
- [CAPACTY](#)

A7004701

Explanation:

Platform LIC detected an error.

Response

A problem occurred when initializing, reading, or using system VPD. The IPL failed.

Work with the FRU list in the serviceable event view if there is one, otherwise use the FRU list documented here to determine the parts to exchange.

Failing Item

- [CAPACTY](#)

A7004703

Explanation:

Platform LIC failure.

Response

A problem occurred when initializing, reading, or using system VPD. The Capacity on Demand function is not available. If Capacity on Demand function is required, re-IPL the system. If that does not correct the problem, contact your next level of support.

Failing Item

- [LICCODE](#)

A7004704

Explanation:

Platform LIC detected an error.

Response

The Capacity on Demand function is no longer available. If Capacity on Demand functions are required, look for and correct errors with SRCs of the form B1xxxxxx in the Serviceable Event View. If that does not correct the problem, or no errors were found, contact your next level of support.

Failing Item

- [SVCDPCS](#)

A7004705

Explanation:

Platform LIC failure.

Response

A problem occurred when initializing, reading, or using system VPD. The Capacity on Demand function is not available. If Capacity on Demand function is required, re-IPL the system. If that does not correct the problem, contact your next level of support.

Failing Item

- [SVCDPCS](#)

A7004710

Explanation:

Platform LIC detected an error.

Response

A communications problem with the service processor occurred while initiating Capacity on Demand. The Capacity on Demand function is not available.

If Capacity on Demand function is required, look for errors with SRCs of the form B1xxxxxx or B7xx69xx in the Serviceable Event View. Work those errors. If that does not correct the problem, proceed with the failing items listed in the serviceable event view for this SRC.

Failing Item

- [SVCDPCS](#)
- [CAPACTY](#)

A7004712

Explanation:

Platform LIC detected the VPD card is missing.

Response

A problem occurred when initializing, reading, or using system VPD.

Work with the FRU list in the serviceable event view if there is one, otherwise use the FRU list documented here to determine the parts to exchange.

Failing Item

- [CAPACTY](#)

A7004713

Explanation:

Platform LIC detected an error.

Response

The VPD card has been exchanged with a not valid card. Reinstall the original VPD card in the system.

Failing Item

- [SVCDOCS](#)

A7004714

Explanation:

Platform LIC has detected a new VPD card.

Response

The new VPD card requires new activation codes. Enter the new activation codes.

A7004715

Explanation:

Platform LIC detected an error.

Response

A problem occurred when initializing, reading, or using system VPD during concurrent maintenance.

Look for errors with SRCs of the form B1xxxxxx in the Serviceable Event View. Work those errors first. If that does not correct the problem, replace the VPD card.

Work with the FRU list in the serviceable event view if there is one, otherwise use the FRU list documented here to determine the parts to exchange.

Failing Item

- [SVCDOCS](#)
- [CAPACTY](#)

A7004716

Explanation:

User intervention required.

Response

The Capacity on Demand activation code recovery period has been started. Either obtain more capacity

by obtaining new activation codes or allocate fewer resources in the LPAR configuration.

Failing Item

- [SVCDOCS](#)
- [LPARCFG](#)

A7004721

Explanation:

The World Wide Port Name (WWPN) Prefix is not valid.

Response:

Contact your hardware service provider to obtain a valid World-Wide Port Name (WWPN). Once you have obtained a valid WWPN value, go to ASM and select: System_Configuration-> Program_Vital_Product_Data-> System_Keywords. On the System_Keyword menu, enter the value for the 'WN' keyword.

Failing Item

- [SVCDOCS](#)

A7004730

Explanation:

Platform LIC detected an error.

Response

A problem occurred when configuring the logical partitions on the system. More resources were allocated than there are available for use. Either obtain more capacity by obtaining new activation codes or allocate fewer resources in the LPAR configuration.

Failing Item

- [SVCDOCS](#)
- [LPARCFG](#)

A7004731

Explanation:

One or more IBM i partitions is out of compliance with supported use of system resources.

Response

Verify each IBM i partition on the system is using system resources consistent with the published supported resources for the system. This may include use of resources including processors and physical I/O assigned to the partition. This event may be repeated until all IBM i partitions are in compliance.

A7004733

Explanation:

Platform LIC failure.

Response

The Capacity on Demand function is not available. If Capacity on Demand function is required, re-IPL the system. If that does not correct the problem, contact your next level of support.

A7004735**Explanation:**

Use of Processors for General Purpose work has exceeded number of licensed General Purpose Processors.

A7004736**Explanation:**

Use of processors for general purpose work has exceeded number of licensed general purpose processors, for long enough that the server is calling in to IBM to report this issue.

Failing Item

- [LINUXOVR](#)

A7004739**Explanation:**

The server was operating with Power Enterprise Pool resources prior to this Initial Program Load (IPL). During this IPL, the Management Console did not give the server the same amount of Power Enterprise Pool resources.

A7004740**Explanation:**

Platform LIC detected an error.

Response

An incorrect activation code has been detected. Resources associated with this activation code have been disabled. Enter a valid activation code.

A7004741**Explanation:**

Platform LIC detected an error.

Response

The number of allowable attempts to enter a valid activation code has been exceeded. Further attempts to enter an activation code will be temporarily blocked. Wait for one hour and then enter a valid activation code.

A7004742**Explanation:**

Generally represents a temporary communications failure between Server firmware and the VPD Card.

Response

A communications session between the server's firmware and the VPD Card in the FSP could not be established or was interrupted.

An isolated occurrence of this type of error can safely be ignored. However if these errors become fairly frequent, are clustered together, or are accompanied by other related (A70047xx) errors that they would require closer scrutiny to determine if a serviceable problem exists.

Failing Item

- [SVCDPCS](#)
- [CAPACTY](#)

A7004747**Explanation:**

User intervention required.

Response

One hour remains until the On/Off Capacity on Demand request expires. Permanently activate the temporary Capacity on Demand resources, enter a new On/Off Capacity on Demand request for the temporary resources, or remove all temporary resources from partitions before the request expires.

Failing Item

- [SVCDPCS](#)

A7004748**Explanation:**

User intervention required.

Response

One hour remains until the Utility Capacity on Demand enablement expires. In order to reactivate temporary resources, a new Utility Capacity on Demand enablement code is required.

Failing Item

- [SVCDPCS](#)

A7004749

Explanation:

User intervention required.

Response

One hour remains until the Trial Capacity on Demand activation expires. Obtain a permanent activation code or remove all temporary resources from partitions before the request expires.

Failing Item

- [SVCDPCS](#)

A700474A**Explanation:**

System has Active Memory Mirroring (AMM) ON, but is not licensed for AMM use.

Problem determination:

The HMC interface has been used to set AMM to "ON" for the system. However, at IPL time, the system does not have a valid license for AMM. The customer needs to contact IBM or a Partner Sales representative to purchase and enter an Activation Code for this feature. If this is not possible, then turn off the system; use the HMC interface to turn AMM "OFF"; and re-IPL.

Failing Item

- [SVCDPCS](#)

A7004750**Explanation:**

A Capacity on Demand change has been detected.

Response

Utility Capacity on Demand resources have been activated.

A7004760**Explanation:**

The server's update access key is approaching expiration.

A7004761**Explanation:**

The server's update access key has expired.

Failing Item

- [FMWREXP](#)

A7004762**Explanation:**

The activation code for the server's update access key could not be found. The system cannot start without an activation code.

Failing Item

- [FMWREXP](#)

A7004788**Explanation:**

System log entry only, no service action required.

Response

The data obtained from the system is not what was expected. The IPL will continue. Should other errors occur, contact your next level of support.

A70047C1**Explanation:**

Capacity on Demand data mismatch.

Response

The data obtained from the system is not what was expected. The system will perform a slow IPL in order to obtain the correct data. If other errors occur, contact your next level of support.

A70047CB**Explanation:**

Fast system IPL changed to slow system IPL.

Response

The data obtained from the system is not what was expected. The system will perform a slow IPL in order to obtain the correct data. If other errors occur, contact your next level of support.

A70047CD**Explanation:**

Platform LIC detected an error.

Response

The server detected a not valid Capacity On Demand activation and terminated the system. The allocated resources for the system might exceed those that are available for use.

Failing Item

- [SVCDPCS](#)

A70047DD

Explanation:

A dump of the Capacity On Demand data has been requested and is contained within this platform event log.

Response

No recovery action is required. This platform event log should be collected by service.

Failing Item

- [NEXTLVL](#)

A70047FF**Explanation:**

System log entry only, no service action required.

Response

The Capacity on Demand History Log has been written to the error log. No service action is required.

A700C2AC**Explanation:**

System log entry only, no service action required.

Response

The Capacity on Demand License acceptance has completed.

No corrective action is required.

Failing Item

- [SVCDPCS](#)

A7013003**Explanation:**

Partition-initiated PHYP-content RSCDUMP.

Response:

No service action required.

A7013005**Explanation:**

System-initiated device dump.

Response:

No service action required.

(AAxx) Reference codes

Partition firmware posts AAxx system reference (attention) codes, which offer information about the next target state for the platform firmware. These codes might also indicate that you need to perform an action, such as opening a firmware console or checking serial connections.

Note: Click the failing item in the FRU list only when you experience a hang condition on an attention code. For example, a hang condition occurs when your server performs a requested action but the SRC in the control panel display does not change for several minutes and the partition firmware appears to be hung.

AA00E158**Explanation:**

Waiting for virtual terminal (VTERM) to be opened on the HMC.

AA00E159**Explanation:**

Waiting for serial connection to the service processor to be established

AA00E175**Explanation:**

The I/O configuration exceeds the recommended size. Some operating systems might crash when using this configuration.

Failing Item

- [FWFLASH](#)

AA00E1A8**Explanation:**

The system is booting to the open firmware prompt

Failing Item

- [FWFLASH](#)

AA00E1A9**Explanation:**

The system is booting to the SMS menus

Failing Item

- [FWFLASH](#)

AA00E1AA**Explanation:**

System booting to Restricted Open Firmware prompt. At Restricted Open Firmware prompt, only certain

commands are supported. Type macro_help for list of commands.

AA00E1B0**Explanation:**

Waiting for the user to select language and keyboard.

AA00E1B1**Explanation:**

Waiting for the user to accept or decline the license agreement.

AA00E1F3**Explanation:**

Admin access password prompt

Failing Item

- [FWPWD](#)

AA060007**Explanation:**

A keyboard was not found

AA06000B**Explanation:**

The system or partition was not able to find an operating system on any of the devices in the boot list.

AA06000C**Explanation:**

The media specified in a device in the bootlist was not bootable

AA06000D**Explanation:**

The media in the device in the bootlist not found under the I/O adapter specified by the boot list.

AA06000E**Explanation:**

The adapter specified in the boot list is not present or not functioning.

AA060010**Explanation:**

The FAT filesystem on the bootdisk is configured in a way that may cause a boot failure.

AA060011**Explanation:**

The firmware did not find the operating system image and it was unable to detect at least one hard disk in the boot list. Firmware is now retrying the entries in the boot list. This often occurs when the boot disk enclosure is not yet fully initialized or if the boot disk belongs to a server partition.

Problem determination

This error might occur before the initialization of an enclosure that contains the boot disk is complete or when the boot disk belongs to another partition.

If this problem persists, do the following:

1. Verify that the boot disk belongs to the partition that is being booted.
2. Verify that the boot list in the SMS menus is correct.

AA060012**Explanation:**

Firmware retry of bootlist exceeded the time limit of one hour. This often occurs when partition is left for a retry to boot from a non-bootable device in the device list and the retry exceeds the time limit of one hour.

AA130013**Explanation:**

Bootable media is missing from a USB-attached CD-ROM.

AA130014**Explanation:**

The media in the USB CD-ROM drive has been changed.

AA170210**Explanation:**

Setenv/\$setenv parameter error - the name contains a null character.

Failing Item

- [FWFLASH](#)

AA170211**Explanation:**

Setenv/\$Setenv parameter error - value contains a null character

Failing Item

- [FWFLASH](#)

AA170212**Explanation:**

Setenv/\$Setenv parameter error: name is null or too long. The name length is limited to 31 characters.

Failing Item

- [FWFLASH](#)

AA190001**Explanation:**

The server firmware function to get and set the time-of-day reported an error.

AA260002**Explanation:**

The system is waiting for the serial number to be entered.

Response

Enter the serial number of the system at the prompt

AA260003**Explanation:**

The system is waiting for the system unique ID number to be entered.

Response

Enter the system unique ID number at the prompt.

AA260004**Explanation:**

The system is waiting for the worldwide port number to be entered.

Response

Enter the worldwide port number at the prompt.

AA260005**Explanation:**

The system is waiting for the brand number to be entered.

Response

Enter the brand number at the prompt.

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Accessibility features for IBM Power Systems servers

Accessibility features assist users who have a disability, such as restricted mobility or limited vision, to use information technology content successfully.

Overview

The IBM Power Systems servers include the following major accessibility features:

- Keyboard-only operation
- Operations that use a screen reader

The IBM Power Systems servers use the latest W3C Standard, [WAI-ARIA 1.0](http://www.w3.org/TR/wai-aria/) (www.w3.org/TR/wai-aria/), to ensure compliance with [US Section 508](http://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-section-508-standards/section-508-standards) (www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-section-508-standards/section-508-standards) and [Web Content Accessibility Guidelines \(WCAG\) 2.0](http://www.w3.org/TR/WCAG20/) (www.w3.org/TR/WCAG20/). To take advantage of accessibility features, use the latest release of your screen reader and the latest web browser that is supported by the IBM Power Systems servers.

The IBM Power Systems servers online product documentation in IBM Knowledge Center is enabled for accessibility. The accessibility features of IBM Knowledge Center are described in the [Accessibility](http://www.ibm.com/support/knowledgecenter/doc/kc_help.html#accessibility) section of the IBM Knowledge Center help (www.ibm.com/support/knowledgecenter/doc/kc_help.html#accessibility).

Keyboard navigation

This product uses standard navigation keys.

Interface information

The IBM Power Systems servers user interfaces do not have content that flashes 2 - 55 times per second.

The IBM Power Systems servers web user interface relies on cascading style sheets to render content properly and to provide a usable experience. The application provides an equivalent way for low-vision users to use system display settings, including high-contrast mode. You can control font size by using the device or web browser settings.

The IBM Power Systems servers web user interface includes WAI-ARIA navigational landmarks that you can use to quickly navigate to functional areas in the application.

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TTY service
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CAN ICES-3 (A)/NMB-3(A)

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Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

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Dieses Produkt entspricht den Schutzanforderungen der EU-Richtlinie 2014/30/EU zur Angleichung der Rechtsvorschriften über die elektromagnetische Verträglichkeit in den EU-Mitgliedsstaaten und hält die Grenzwerte der EN 55022 / EN 55032 Klasse A ein.

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Deutschland: Einhaltung des Gesetzes über die elektromagnetische Verträglichkeit von Geräten

Dieses Produkt entspricht dem "Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG)". Dies ist die Umsetzung der EU-Richtlinie 2014/30/EU in der Bundesrepublik Deutschland.

Zulassungsbescheinigung laut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG) (bzw. der EMC Richtlinie 2014/30/EU) für Geräte der Klasse A

Dieses Gerät ist berechtigt, in Übereinstimmung mit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen.

Verantwortlich für die Einhaltung der EMV Vorschriften ist der Hersteller:
International Business Machines Corp.

New Orchard Road
Armonk, New York 10504
Tel: 914-499-1900

Der verantwortliche Ansprechpartner des Herstellers in der EU ist:

IBM Deutschland GmbH
Technical Relations Europe, Abteilung M456
IBM-Allee 1, 71139 Ehningen, Germany
Tel: +49 (0) 800 225 5426
email: HalloIBM@de.ibm.com

Generelle Informationen:

Das Gerät erfüllt die Schutzanforderungen nach EN 55024 und EN 55022 / EN 55032 Klasse A.

Japan Electronics and Information Technology Industries Association (JEITA) Notice

(一社) 電子情報技術産業協会 高調波電流抑制対策実施
要領に基づく定格入力電力値: Knowledge Centerの各製品の
仕様ページ参照

This statement applies to products less than or equal to 20 A per phase.

高調波電流規格 JIS C 61000-3-2 適合品

This statement applies to products greater than 20 A, single phase.

高調波電流規格 JIS C 61000-3-2 準用品

本装置は、「高圧又は特別高圧で受電する需要家の高調波抑制対策ガイドライン」対象機器（高調波発生機器）です。

- 回路分類 : 6 (単相、P F C回路付)
- 換算係数 : 0

This statement applies to products greater than 20 A per phase, three-phase.

高調波電流規格 JIS C 61000-3-2 準用品

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- 回路分類 : 5 (3相、P F C回路付)
- 換算係数 : 0

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VCCI-A

Korea Notice

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People's Republic of China Notice

声 明
此为 A 级产品, 在生活环境中,
该产品可能会造成无线电干扰。
在这种情况下, 可能需要用户对其
干扰采取切实可行的措施。

Russia Notice

ВНИМАНИЕ! Настоящее изделие относится к классу A.
В жилых помещениях оно может создавать
радиопомехи, для снижения которых необходимы
дополнительные меры

Taiwan Notice

警告使用者：
此為甲類資訊技術設備，
於居住環境中使用時，可
能會造成射頻擾動，在此
種情況下，使用者會被要
求採取某些適當的對策。

IBM Taiwan Contact Information:

台灣IBM 產品服務聯絡方式：
台灣國際商業機器股份有限公司
台北市松仁路7號3樓
電話：0800-016-888

United States Federal Communications Commission (FCC) Notice

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables and connectors are available from IBM-authorized dealers. IBM is not responsible for any radio or television interference caused by using other than recommended cables and connectors

or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:
International Business Machines Corporation
New Orchard Road
Armonk, NY 10504
Contact for FCC compliance information only: fccinfo@us.ibm.com

Class B Notices

The following Class B statements apply to features designated as electromagnetic compatibility (EMC) Class B in the feature installation information.

When attaching a monitor to the equipment, you must use the designated monitor cable and any interference suppression devices supplied with the monitor.

Canada Notice

CAN ICES-3 (B)/NMB-3(B)

European Community and Morocco Notice

This product is in conformity with the protection requirements of Directive 2014/30/EU of the European Parliament and of the Council on the harmonization of the laws of the Member States relating to electromagnetic compatibility. IBM cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-IBM option cards.

German Notice

Deutschsprachiger EU Hinweis: Hinweis für Geräte der Klasse B EU-Richtlinie zur Elektromagnetischen Verträglichkeit

Dieses Produkt entspricht den Schutzanforderungen der EU-Richtlinie 2014/30/EU zur Angleichung der Rechtsvorschriften über die elektromagnetische Verträglichkeit in den EU-Mitgliedsstaaten und hält die Grenzwerte der EN 55022/ EN 55032 Klasse B ein.

Um dieses sicherzustellen, sind die Geräte wie in den Handbüchern beschrieben zu installieren und zu betreiben. Des Weiteren dürfen auch nur von der IBM empfohlene Kabel angeschlossen werden. IBM übernimmt keine Verantwortung für die Einhaltung der Schutzanforderungen, wenn das Produkt ohne Zustimmung von IBM verändert bzw. wenn Erweiterungskomponenten von Fremdherstellern ohne Empfehlung von IBM gesteckt/eingebaut werden.

Deutschland: Einhaltung des Gesetzes über die elektromagnetische Verträglichkeit von Geräten

Dieses Produkt entspricht dem "Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG)". Dies ist die Umsetzung der EU-Richtlinie 2014/30/EU in der Bundesrepublik Deutschland.

Zulassungsbescheinigung laut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG) (bzw. der EMC Richtlinie 2014/30/EU) für Geräte der Klasse B

Dieses Gerät ist berechtigt, in Übereinstimmung mit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen.

Verantwortlich für die Einhaltung der EMV Vorschriften ist der Hersteller:
International Business Machines Corp.
New Orchard Road

Armonk, New York 10504
Tel: 914-499-1900

Der verantwortliche Ansprechpartner des Herstellers in der EU ist:
IBM Deutschland GmbH
Technical Relations Europe, Abteilung M456
IBM-Allee 1, 71139 Ehningen, Germany
Tel: +49 (0) 800 225 5426
email: HalloIBM@de.ibm.com

Generelle Informationen:

Das Gerät erfüllt die Schutzanforderungen nach EN 55024 und EN 55032 Klasse B

Japan Electronics and Information Technology Industries Association (JEITA) Notice

(一社) 電子情報技術産業協会 高調波電流抑制対策実施
要領に基づく定格入力電力値 : Knowledge Centerの各製品の
仕様ページ参照

This statement applies to products less than or equal to 20 A per phase.

高調波電流規格 JIS C 61000-3-2 適合品

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高調波電流規格 JIS C 61000-3-2 準用品

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- 回路分類 : 6 (単相、P F C回路付)
- 換算係数 : 0

This statement applies to products greater than 20 A per phase, three-phase.

高調波電流規格 JIS C 61000-3-2 準用品

本装置は、「高圧又は特別高圧で受電する需要家の高調波抑制対策ガイドライン」対象機器（高調波発生機器）です。

- 回路分類 : 5 (3相、P F C回路付)
- 換算係数 : 0

Japan Voluntary Control Council for Interference (VCCI) Notice

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VCCI-B

Taiwan Notice

台灣IBM 產品服務聯絡方式：
台灣國際商業機器股份有限公司
台北市松仁路7號3樓
電話：0800-016-888

United States Federal Communications Commission (FCC) Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an IBM-authorized dealer or service representative for help.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables and connectors are available from IBM-authorized dealers. IBM is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

International Business Machines Corporation
New Orchard Road
Armonk, New York 10504
Contact for FCC compliance information only: fccinfo@us.ibm.com

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