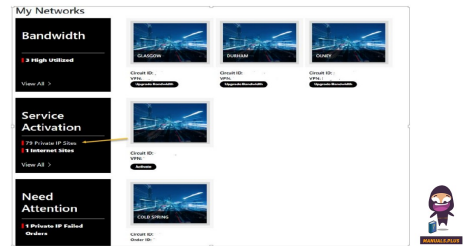


verizon
Dynamic
Network
Manager



verizon Dynamic Network Manager User Guide

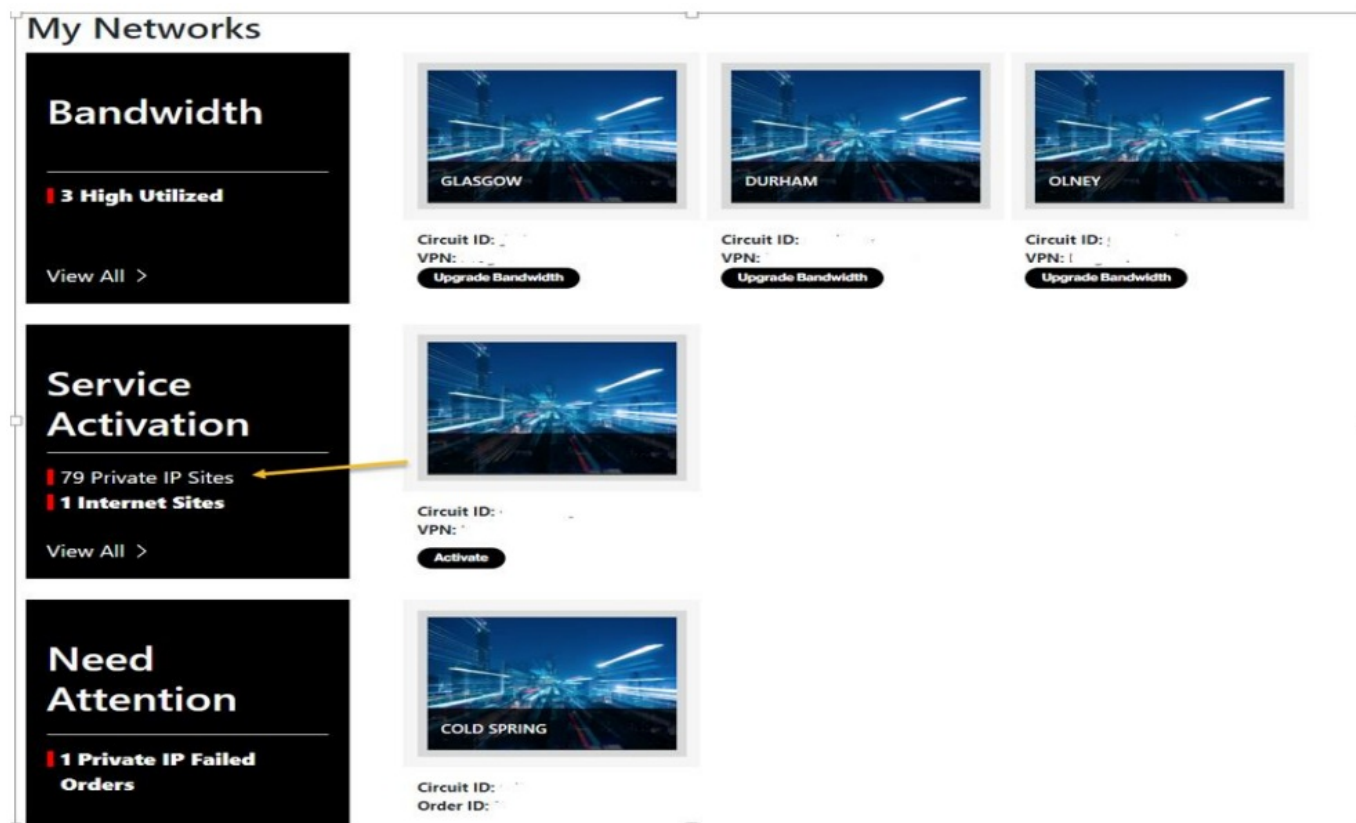
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Dynamic Network Manager (DNM) Service Activation Guide

This document will provide you with step-by-step instructions on how to activate your company's pending circuits.

Note: Each client user will need at least "Read-only" access in DNM to complete an activation. If the client wants to have DPort or DCAR capabilities, the client administrator will need to ensure each user has DPort and DCAR enabled on their account because it is a billable feature. After that is confirmed, the client administrator will need to go into the user's profile and grant each individual access or create a group profile that all users within that account can utilize.

Step instructions

Step by Step instructions

Once your Verizon Enterprise Center (VEC) user profile is set up with DNM access, you will log into the DNM tool via Verizon Enterprise Center (VEC) select "Product tools" then "Dynamic Network Manager".

DNM Home Page

- Or you can launch the test directly from the circuit details page. However, if you need to review and confirm information regarding the CE and PE configuration you can find this by clicking on actions and then View Details.

CircuitID C0106468
Service ID 146124672
PVC 5820282
VPN ACME-Fabrication
VRF Name V795957:ACMEFabrication
VPN Address
 180 ALLEN RD ATLANTA, GA
 30328-4862 USA

Port Speed
 6 Mbps
Realtime CAR
 8 Kbps

Encapsulation
 ETHERNET
Traffic Rule
 G4
Network IPv4 Address
 68.139.174.86
Queueing Level
 PORT
Multi VRF
 NO

Service Type
 Not Managed
Description
 Not Managed
Endilements
 Not Managed

Actions
 View Details
 Modify Bandwidth
 Network Settings
 View Orders
 Router Commands
 View Utilization
 VRF Details

Details **Network Settings** Orders Diagnostics Utilization Virtual Services Cloud Services Other VRF

Circuit Details

Port Speed **EF Real Time Car**

Pending tickets 1 **Pending orders 24**

- The Layer 1, 2 and 3 configurations are located in Network Settings. This information will help with the set-up and configuration for the CE device.

Details **Network Settings** Orders Diagnostics Utilization Virtual Services Cloud Services Other VRF

Customer Edge Settings

IPv6 Address / Prefix **Layer 2 Encapsulation** **ETHERNET VLAN : 200**

Server Level **Not Managed**

Layer 1/2 Information

CONNECTOR TYPE **RJ45** **CE WAN Interface / Handoff Type** **GigE T**

VLAN set to **200**

Services(s) Ordered

Service Order **Work Order**

Managed Service **Not Managed**

Demarcation Information

11345910C **Site Type** **CUST** **Address** **5100 S McClintock Dr** **LD1: ROOM** **LV1: NE Corner** **LD2: FLOOR** **LV2: Ground Flo** **LD3: BUILDING** **LV3: Main**

General Interface Configuration

Router Name **WIT9E01** **Encapsulation** **ETHERNETVLAN : 200**

Router Type **ASR9K** **IPv4 Address / Prefix**

Access Type **ETH10Gig** **IPv6 Address / Prefix**

Interface Name **TenGigE0/0/0/2.5073** **IPv4 MTU**

Routing Protocol **BGP** **Shape Adjustment for Ethernet** **85%**


Virtual Route Forwarding (VRF)

VRF Name **WAN Analysis Reporting** **No**

Topology **HUB** **MAX Paths** **0**

Max Routes **25000** **Max Paths Routes Load Sharing** **No**

- Once you are ready to begin and you have confirmed that the router is connected to the NID and the CE configuration is loaded correctly, then Click on the Start button.


 Router

NID
 QTR.CHASSIS.23.1

Ciena
 CIENA5160

PCR / PE
 V3L8.0.1

Cisco
 ASR9010

 Verizon Network

[Network Settings](#)

✓

Configure Router

✓

Network Interface Device

✓

Check EVC Status

✓

Check EVC Statistics

✓

Check Subscriber Status

!

Verizon Provider's Edge

!

Check Interface

○

Check Connectivity

○

Check Routing

○

Confirm Activation

NID Activation Status - QTR.CHASSIS.23.1

Check EVC Status

```

=====
Workflow : Check EVC Status - Subflow : LoopStatus started
=====
• CommandName : LoopStatus
• CardType : EthGig
• LoopSlotPort : Not Available
• LoopDirection : Not Available
• LoopStatus : Not Available
• Port : 23
• ServiceAffecting : Not Available
• Slot : CHASSI
=====
Workflow : Check EVC Status - Subflow : LoopStatus success
=====
Workflow : Check EVC Status - Subflow : IcmpPing started
=====
                    
```

Network Settings ✕

CE Settings -

Address / Prefix
 68.139.174.86 / 30

Layer 2 Encapsulation
 ETHERNET VLAN : 200

Server Level
 Not Managed

Layer 1/2 Information +

PE Settings +

Activation Support

Download

Help & Documentation

Each individual test is shown by the design graph and the activation milestones above. When the test is running this bar will turn blue. If it fails, it will turn red, refer to the help and documentation option for help to resolve the issue. If it turns Green then the activation passes.

The first portion of the test will show the topology path of the circuit.

- NID: Overture or Ciena 3903 (This is the NID device located at the DMARC installed by Verizon).
- L2A: Verizon Layer 2 Switch
- PE: PIP Router

Check EVC Status confirms that the sub-interface the circuit being attempted is up. Check EVC Statistics is checking for two-way traffic in the L2 Device. Finally, we move to the Layer 3 portion of the test. Each test runs some validation Layer 3 tests to confirm connectivity. Check Interface is the PE Interface on the PIP router. Check Connectivity is a Ping Test from the PE to the CE. Check Routing confirms BGP or Static Route state, Remote and Local AS Number and the peering IP address.

Activation failure and scheduling help

When the activation fails, you can schedule help with the Verizon's operations team to resolve the issue. This option will allow you to choose a day and time for a conference call to work through the activation failure.



Network Settings

- ✓ Configure Router
- ! Verizon Provider's Edge
- ! Check Interface
- Check Connectivity
- Check Routing
- Confirm Activation

PCR / PE Activation Status - XRV.8.0.1

Check Interface

- or Schedule an Activation for Support.
- c. Check routing.
1. Customer IP and AS number is correct.
 2. Review Peer sites and Validate Peer VRF.
 3. If problem arises please Contact Verizon Service Delivery Via the Activation Support button or Schedule an Activation for Support.

Re-Test Schedule Close

Download

Help & Documentation

- Click on Schedule button

Schedule Activation

Contact Information

Contact Name*

Contact Number*

(123) 123-1234

Email Address*

anna.beard@one.verizon.com

Job Scheduling

Download

Help & Documentation

Schedule Activation

Contact Information

Contact Name*

Contact Number*

(123) 123-1234

Email Address*

anna.beard@one.verizon.com

Job Scheduling

Download

Help & Documentation

Pick Date & Time

Audio Conference Information

Bridge

Verizons Bridge

Use My Audio Bridge

Schedule

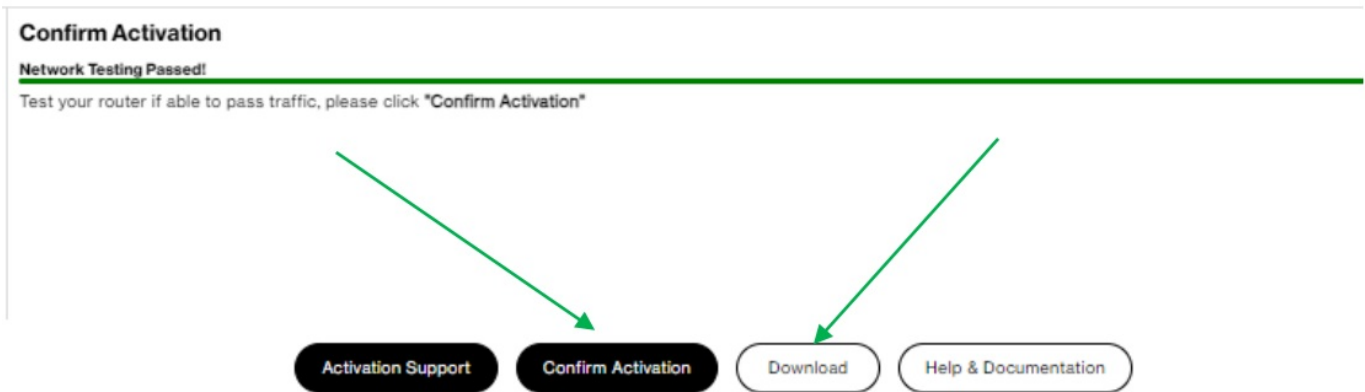
Download

Help & Documentation

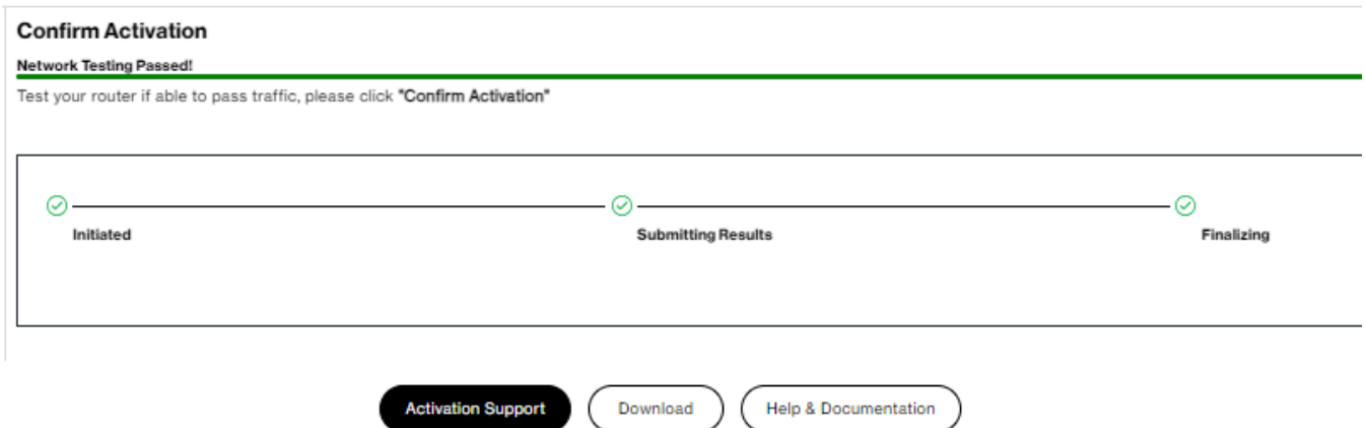
Complete all fields in the form, choose the date and time, select Verizon conference bridge or your conference bridge. Click Subscribe. Operations support will join the call on the given date and time.

Confirm activation

Once the Activation is complete and successful you will have a couple of options to choose from: Confirm Activation: This confirms the activation and will create a document of record with all the results. The download button allows the user to download the results of the activation.

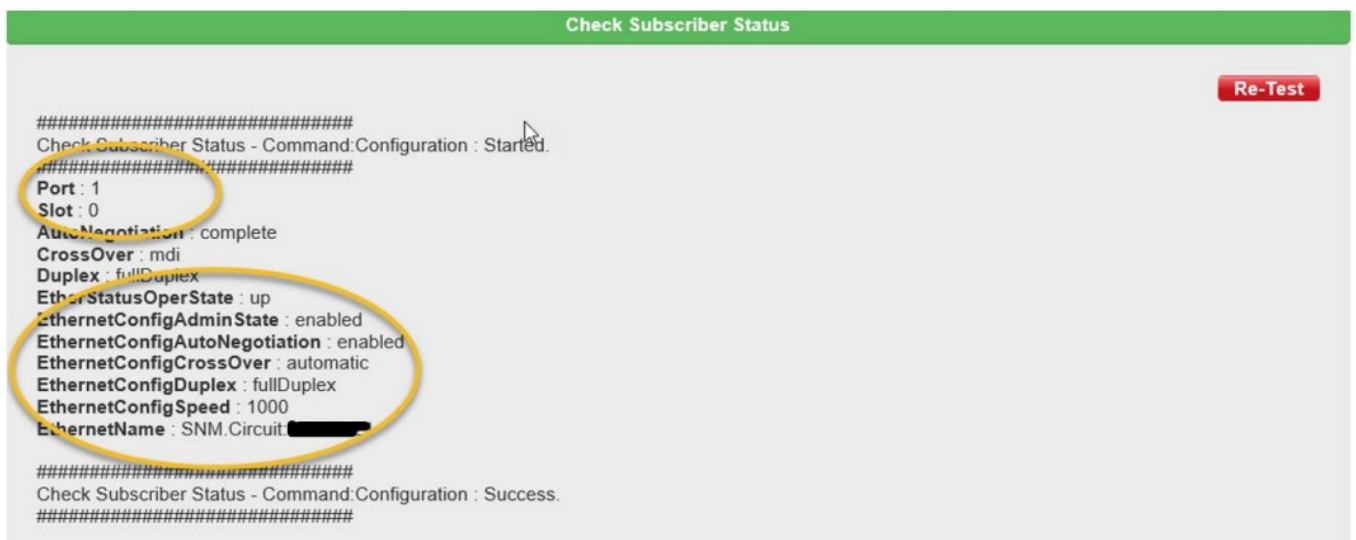


Click Confirm Activation and the circuit will be activated.



Option to change the speed in duplex and auto-negotiation during activation

DNM has an interactive feature that allows real time changing of the speed and duplex. Below is the configuration of the port facing the CE. It shows the speed/duplex settings within the Overture or Ciena.



- If you look below, this screen allows you to make changes to the Overture/Ciena 3903 via DNM directly.

Admin Ports State
☒ Up ☐ Down

Auto-Negotiation ☒ Enable ☐ Disable

Speed 1000

Duplex Full Duplex

Vlan Loopback ☐ Up ☐ Down

LoopBack Vlan Id

Update

- You can admin down the user port to confirm connectivity or change Negotiation settings, Speed/Duplex and hit update.
- Finally, we move to the Layer 3 portion of the test. Each test runs some validation Layer 3 tests to confirm connectivity.
- Check Interface is the PE Interface on the PIP router.
- Check Connectivity is a Ping Test from the PE to the CE.
- Check Routing confirms BGP or Static Route state, Remote and Local AS Number and the peering IP address.

Activation support:

This option allows the user to request a real-time Activation Support from a Verizon technician. If the activation fails and/or is successful but doesn't see some information from the test they can click on Activation Support. The dialog box will show. Please fill out the required information and a Verizon Technician will call you back within 30 minutes on a Verizon Bridge or a Bridge provided by the user.

Activation Support

×

Time slot is available within 30 minutes. Please submit the below details. A Verizon Technician is targeted to reach out to you within 30 minutes from 09:00 CST.

Contact Information

Contact Name*

Enter Name

This field is required

Email Address*

Enter email address

Country code

1

Phone Number*

Enter phone number

Please use a Direct ID number (DID) or US domestic number only, no passcode or other options are allowed

Audio Conference Information

Bridge

Direct Call Back

Verizons Bridge

Use My Audio Bridge

Submit

Close

Bulk activations:

This option allows you to schedule multiple circuit / EVC activations via one submission. If you are wanting to activate circuits for multiple products it all can be completed via one submission Under the "Reports" tab, select "Bulk Activations"

There are two options to provide the circuits / EVC's to be activated

- Excel Template load: Select "Download Template", and enter all the circuits and PVCs within the spreadsheet. Save the file and drag it into the box.

← Bulk Operations

[Create New Job](#)
[Jobs in Progress](#)
[Completed Jobs](#)

Settings

Select an Operation*

Schedule Auto Activation

Circuits

Upload a list of Circuit IDs

Drop file here, or click to select from your computer.

Upload

OR

Enter a list of Circuit IDs,pvcID(Optional) per line. Eg:C12345,P12345

0/500

Download Template

Click "Upload"

- Direct circuit / PVC enter:** Users can directly enter the circuit ID's and PVC ID into the screen. Both values are required and must be no spaces with a comma between the two values.

Enter a list of Circuit IDs,pvcID(Optional) per line. Eg:C12345,P12345

C02241111,4244301

C0221119,4244266

C022000,2227970

50/500

Click "Upload" After the upload of either option the process is the same

Circuits

Selected circuits are listed below. You may modify your circuit list before validating. Note that duplicate circuit IDs have been removed.

Circuit ID	PVC ID	
W0V30609	1806299	
W1A21762	5348479	
W0V30618	1807060	
C0090976	999903	
W1A11495	5330366	

Show: 5

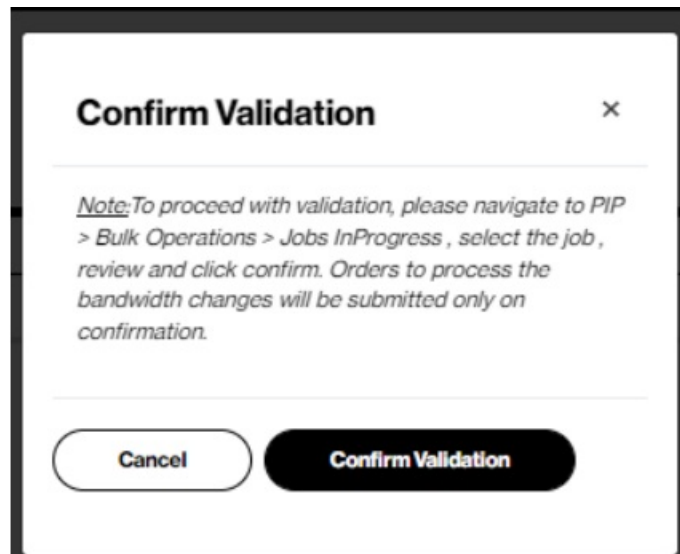
Go to: 1 / 4

Validate

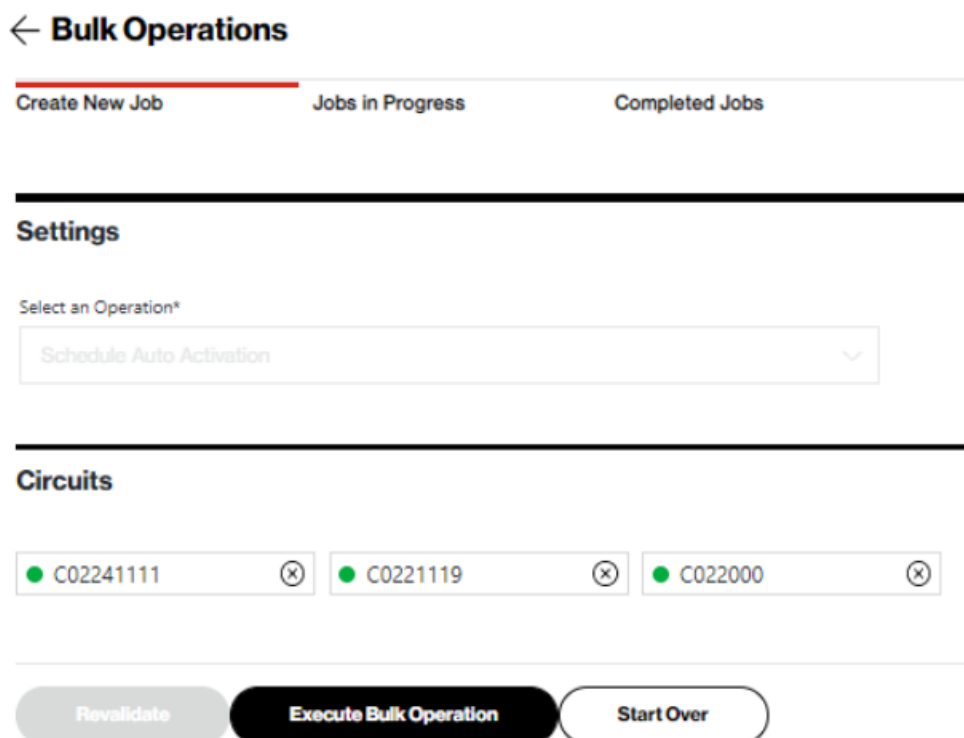
Start Over

- List of circuits will be detailed. There is a pencil to correct any errors or "X" to remove the circuit Click on

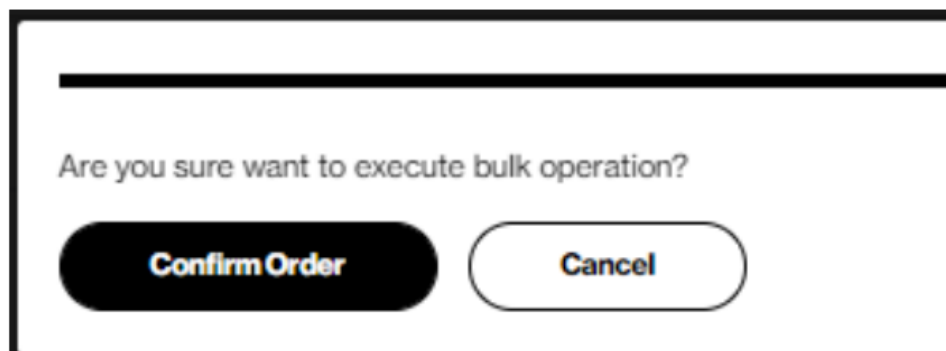
“Validate”



- Click on “Confirm Validation”



- This list of circuits will be displayed for validation. Click on “Execute Bulk Operation”



- Click on “Confirm Order” Green box will display with “Bulk Operation Started”



- Job will be created that will appear under Jobs in Progress

← Bulk Operations

Create New Job

Jobs in Progress

Completed Jobs

No data found

- When the Job completes it will appear under Jobs Completed.

← Bulk Operations

Create New Job

Jobs in Progress

Completed Jobs

Refresh All

Job Id	Date Created	Username	Total Orders	Operation	
2531	07/08/2022 07:36:24		39	Bulk Schedule Auto Activation	—


Search

Circuit ID	PVC ID	Status	Error Description
C0111111	2211111	COMPLETED	
C0211111	2311111	COMPLETED	
C0311111	2411111	COMPLETED	
C0411111	2511111	COMPLETED	
C0811111	2811111	COMPLETED	

- Users will want to expand the "Completed Job" by clicking on the + sign at the far right, to validate the job was successful for all circuits entered. If one fails, User can click on the Activation Support Button to gain help in resolving the issue.

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Documents / Resources

 Dynamic Network Manager Service Activation Guide Version 1.0 July 2022 verizon	verizon Dynamic Network Manager [pdf] User Guide Dynamic Network Manager, Network Manager, Manager
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References

- [AutoSubmit Form](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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