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TRBONET Enterprise PLUS Radio Allocation User Guide

TRBONET Enterprise PLUS Radio Allocation

Contents

Introduction

About This Guide

This document is intended for administrators setting up evaluation and proof of-concept deployments of MOTOTRBO Dispatch over IP solutions. The document describes how to use the Radio Allocation feature in the TRBOnet Enterprise software.

About TRBOnet

TRBOnet is a suite of professional applications for MOTOTRBO digital two-way radio networks. TRBOnet manages voice and data communication paths across network endpoints. It provides a unified graphical dispatcher workbench interface for the entire range of workforce fleet management tasks.

For more information about TRBOnet products, refer to our **website**.

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Overview

The TRBOnet Radio Allocation feature is used to check out/check in (allocate/reallocate) radios to selected employees. This can be done either by the dispatcher in the Dispatch Console application, or by the radio user directly from the radio.
In addition, the Radio Allocation module can be used to automate checking out/checking in (allocating/reallocating) radios using 'Honeywell Xenon 1900' barcode scanners. The automatic check-in/check-out procedure is quite easy and fast. The user first scans the radio's barcode and then scans their own badge. If the user is authorized, they can check out/check in the radio.

Taking/Returning Radios by Dispatcher

This section describes how to allocate/reallocate (take/return) radios to users by the dispatcher in TRBOnet Dispatch Console.

Taking/Returning Radio

- Click the Radio Allocation tab (1):
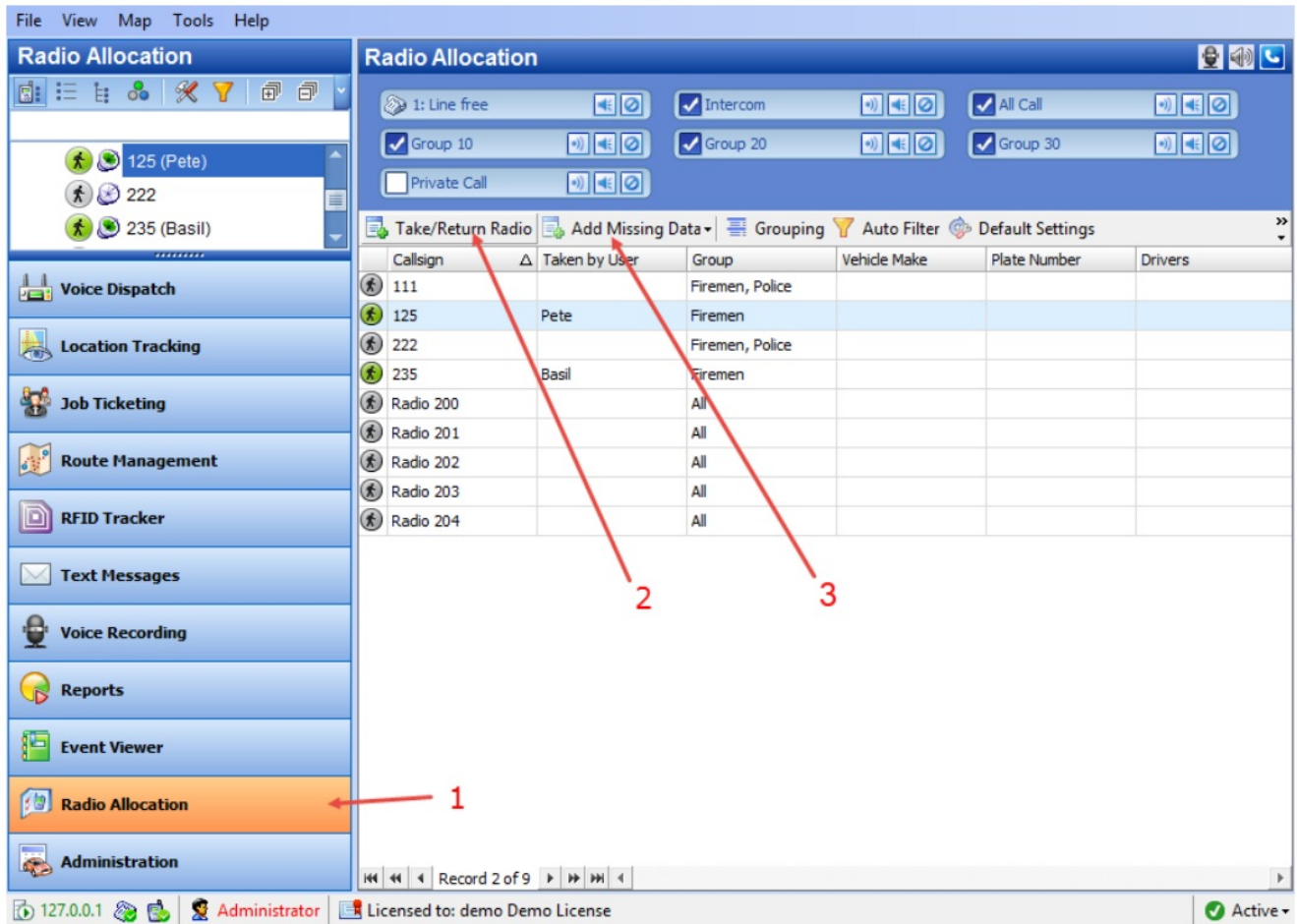
- Select the radio in the list and click the Take/Return Radio button (2):
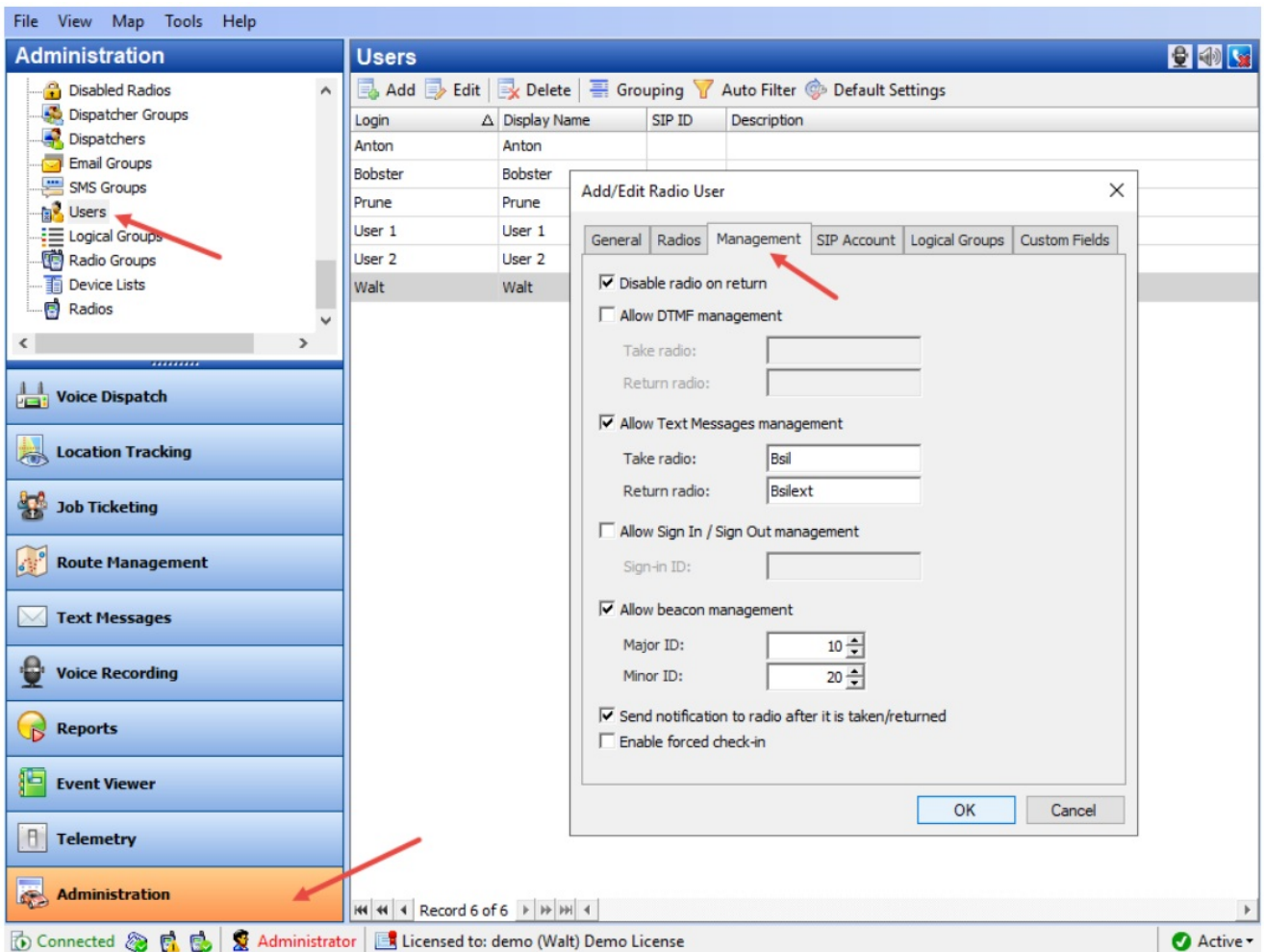

- **Radio**

  This box displays the selected radio.

- **User**

  From the drop-down list, select the user to allocate (check out) the radio to.

- **Password**

  Enter the password for the selected user.

- Click the Take Radio button to assign the radio to the selected user.

Taking/Returning Radio by Radio User

This section describes how to appropriately configure the radio user in TRBOnet Dispatch Console so that a radio can be allocated/reallocated (taken/returned) by the radio user directly from the radio.

Configuring Radio User

- Go to Administration, Users to add/edit/delete users in the system.

- Click either Add to add a user to the system, or Edit to edit the selected user.
- Switch to the Management tab and specify the following parameters:
    - **Disable radio on return**

      Select this option so that a radio will be disabled after the users returns it.
    - **Allow DTMF management**

      Select this option to allow taking/returning radios by sending the specified DTMF tones.
        - **Take radio**

          Specify DTMF tones to be sent by the user to take a radio.
        - **Return radio**

          Specify DTMF tones to be sent by the user to return a radio.
    - **Allow Text Messages management**

      Select this option to allow taking/returning radios by sending specified text messages.
        - **Take radio**

          Specify the text of the message to be sent by the user to take a radio.
        - **Return radio**

          Specify the text of the message to be sent by the user to return a radio.

- **Allow Sign In** / **Sign Out management**

  Select this option to allow taking radios when the user signs in to a radio.

  - **Sign-in ID**

    Specify the password that the user enters to sign in when they take a radio.

- **Allow beacon management**

  Select this option and enter Major ID and Minor ID of the beacon that will be used for taking/returning radios. When a radio enters/leaves the range of the specified beacon, this radio will be considered taken/returned by the user.

  Note: This functionality is available only if the radio is equipped with an option board.

- **Send notification to radio after it is taken/returned**

  Select this option so that a notification is sent to a radio every time the user takes/returns it.

- **Enable forced check-in**

  This option affects the Radio Allocation module. If enabled, the user will be able to return any radio, regardless of whether who has taken the radio.

Radio Allocation Module

This section describes how to configure the TRBOnet Dispatch Console and TRBOnet One applications so that the Radio Allocation module can be used to automate checking out/checking in (allocating/reallocating) radios using 'Honeywell Xenon 1900' barcode scanners.

Configuring TRBOnet Dispatch Console

This section describes how to appropriately configure the users and radios in TRBOnet Dispatch Console.

Custom Fields

This section describes how to add a custom field of the Barcode type.

- Go to Administration (1), Custom Fields (2)
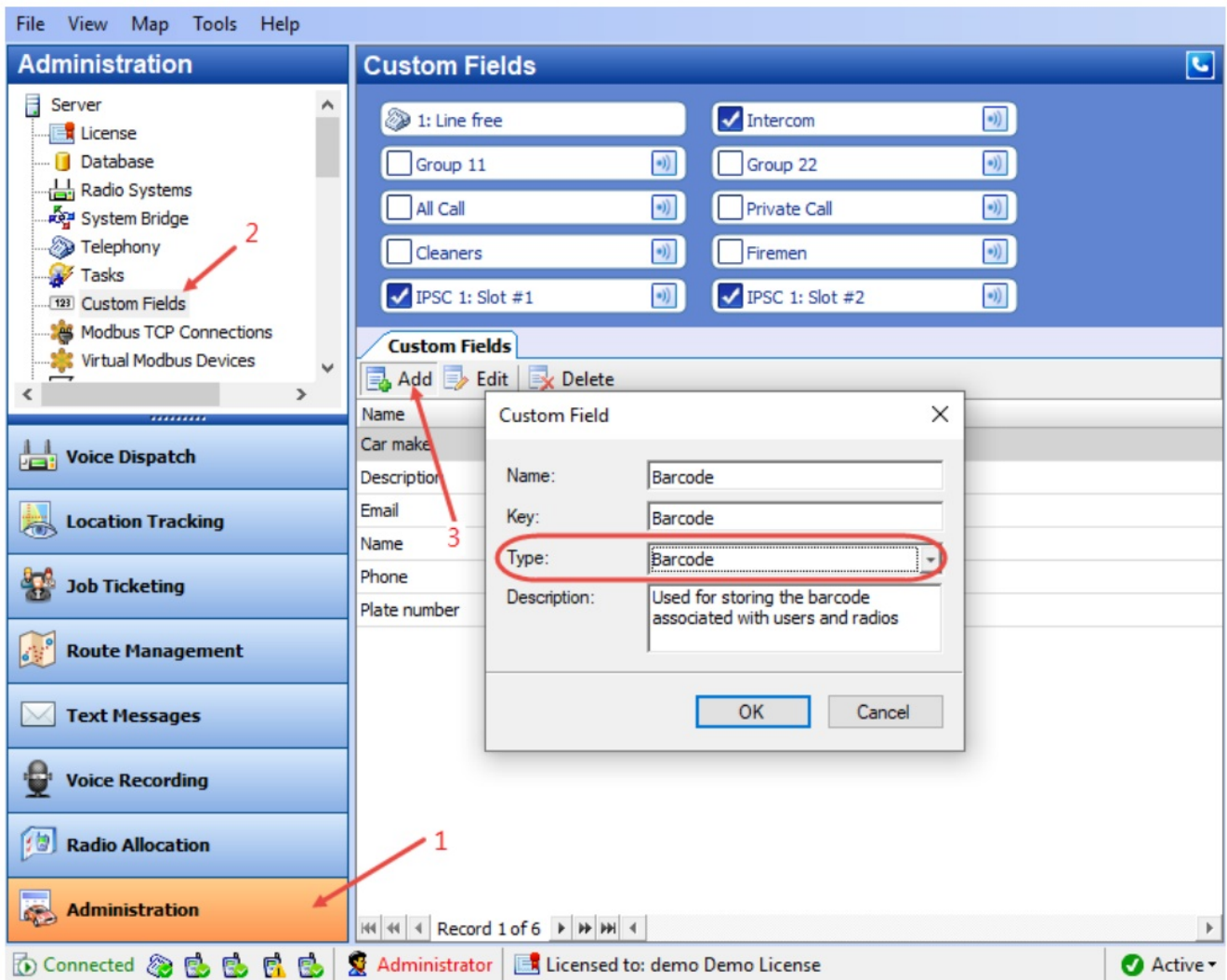
- Click the Add button (3).
- In the Custom Field dialog box, specify the parameters of the field, making sure that the Type value is Barcode.
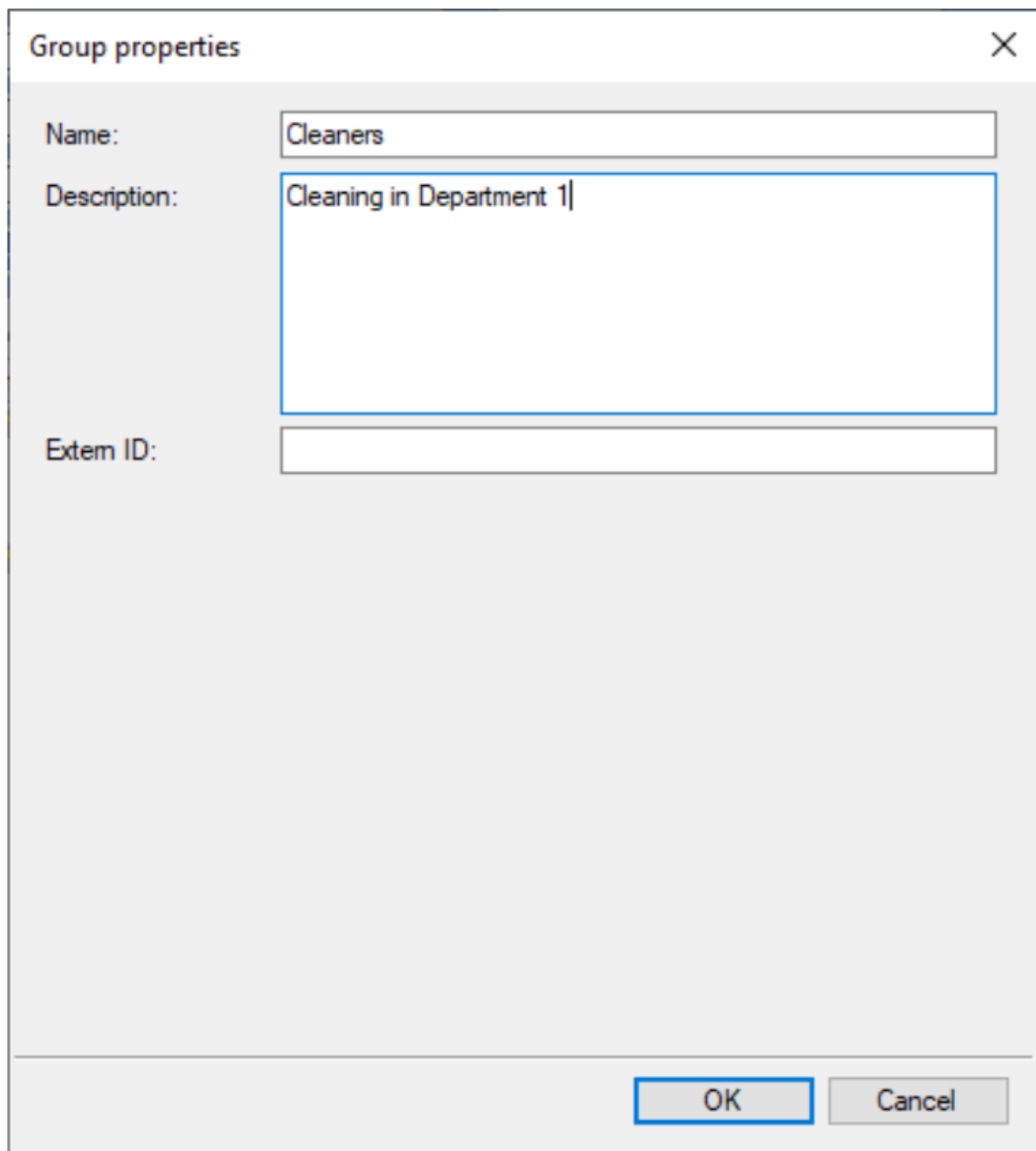
Logical Groups

This section describes how to create logical groups. You must create at least one logical group that will be common to both the User and Radio so that the User will be able to check out that Radio.

- Go to Administration (1), Logical groups (2):
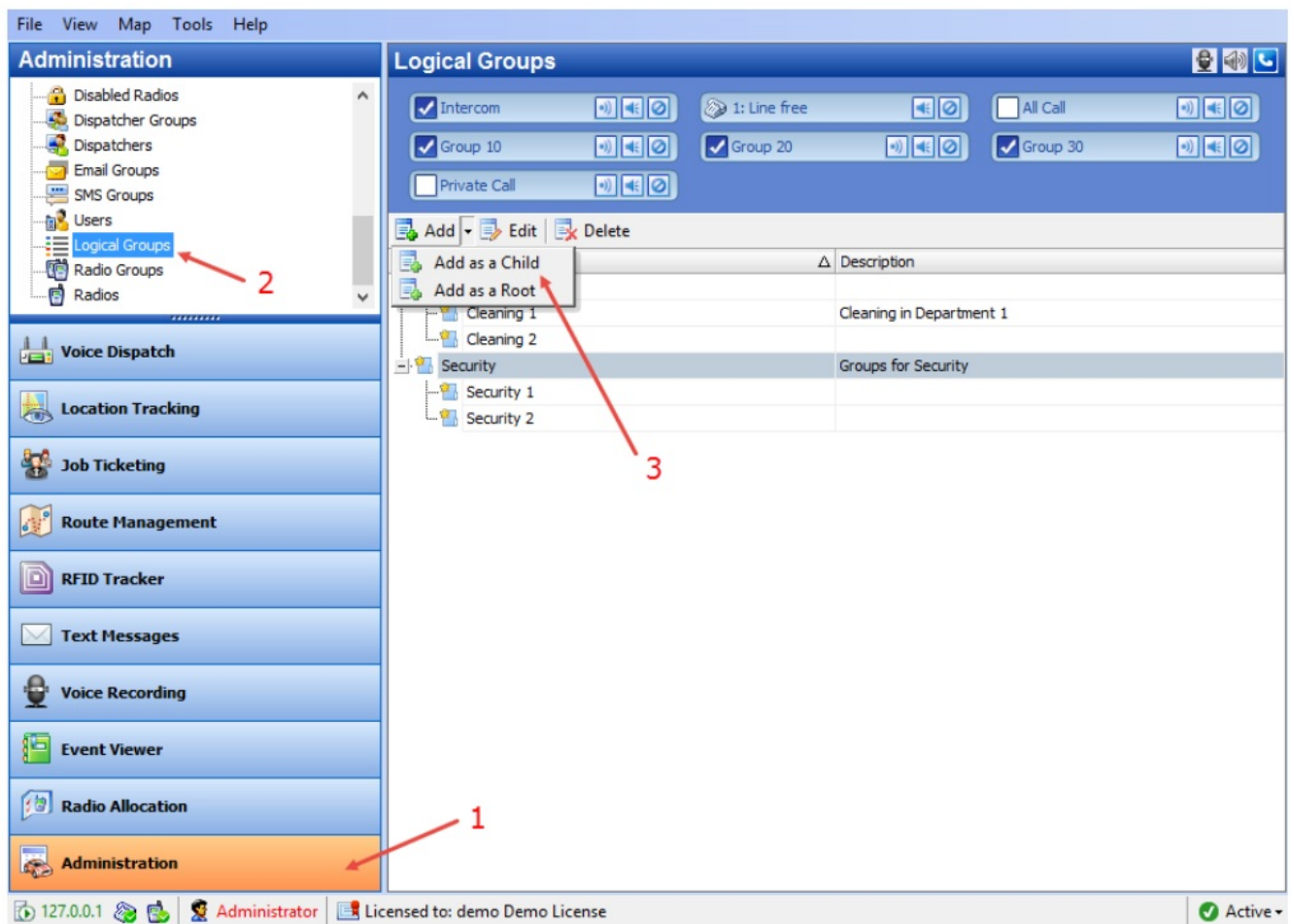
- Click Add (3) to add a logical group.
    - Select Add as a Root to add a logical group as a root folder.
    - Select Add as a Child to add a logical group as a child folder.

- Specify a Name and Description for the logical group.
- Click OK to add the logical group.

Users

This section describes to appropriately configure the user so that they can check out radios.

- Go to Administration (1), Users (2) to add/edit/delete users in the system:
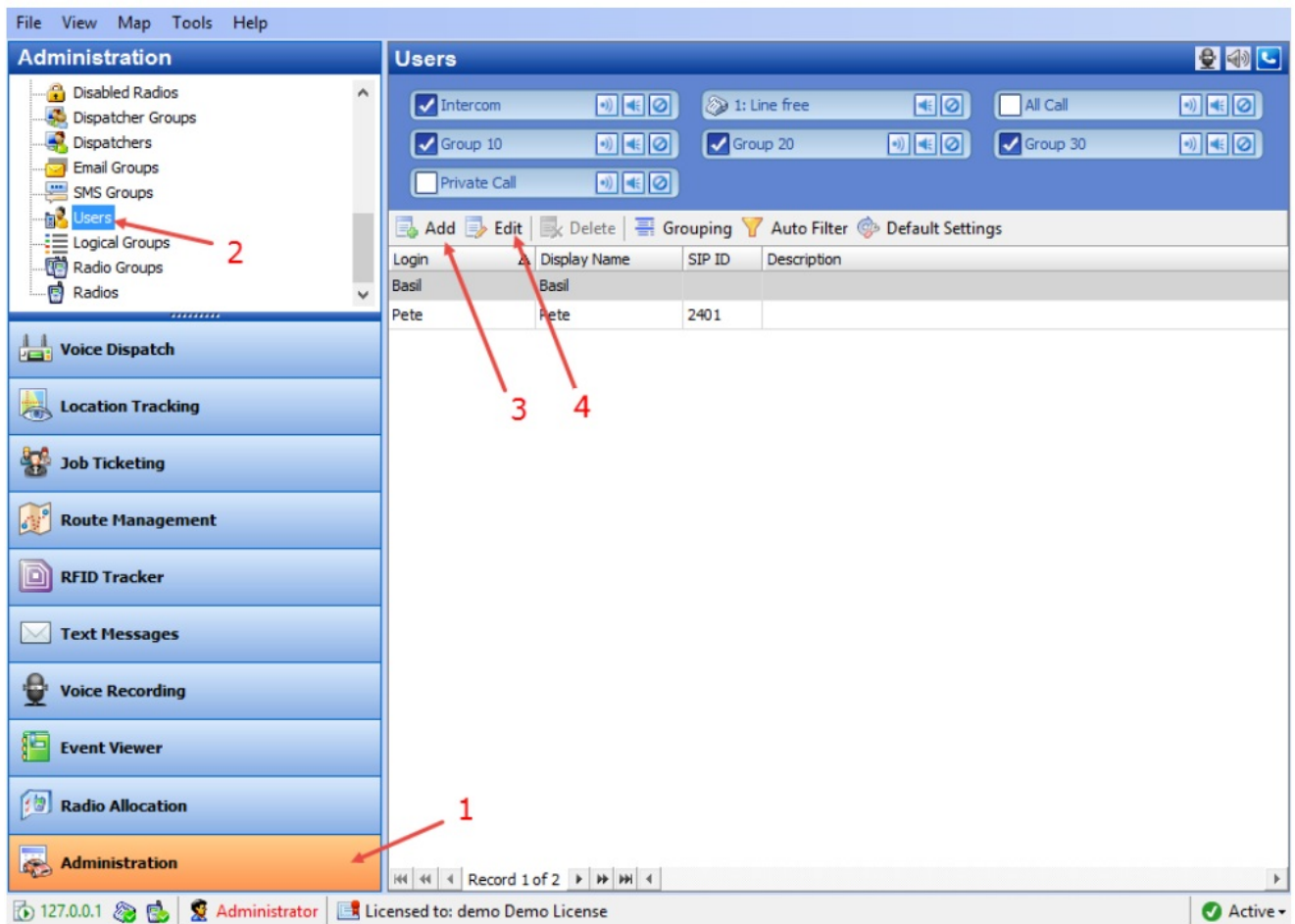
- Click either Add (3) to add a user to the system, or Edit (4) to edit the selected user:
- In the dialog box that opens, go to the Logical Groups tab.

- Make sure that at least one logical group is selected.

  Note: This logical group must be common with the radio's logical group so that the user will be able to check out that radio.
- Go to the Custom Fields tab

- ○ Make sure that the Barcode field is populated with a unique value identifying the user.
  Note: Print this value as a barcode and keep as the user's badge.

Radios

This section describes to appropriately configure the radio so that it can be checked out to users.

- Go to Administration (1), Radios (2).

- Click Add Digital Radio (3) to add a new radio or double-click the selected radio.
- In the dialog box that opens, go to the Logical Groups tab.

- Make sure that at least one logical group is selected.

  Note: This logical group must be common with the user's logical group so that that user will be able to check out the radio
- Go to the Custom Fields tab.

- Make sure that the Barcode field is populated with a unique value identifying the radio.

  Note: Print this value as a barcode and keep as the radio's barcode.

**Connecting Barcode Scanner**

This section describes how to connect and configure a barcode scanner.

- Connect the barcode scanner to a PC via the USB cable and see it displayed in the Device Manager as a "POS HID Barcode scanner".
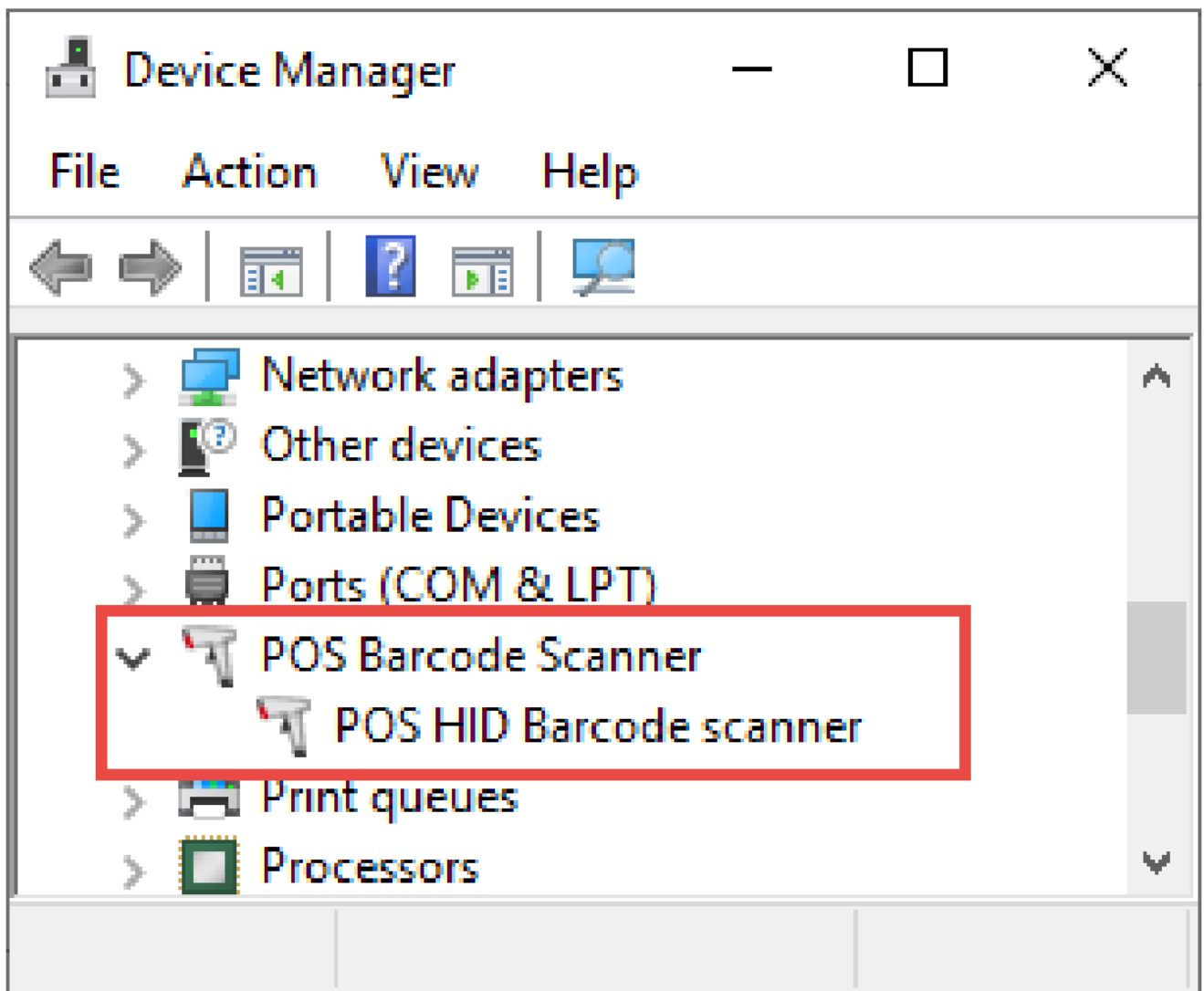
Note: If you don't see the barcode scanner as a HID device, scan the barcode below to appropriately program the scanner (see also the user manual at **https://www.honeywellaidc.com/-/media/en/files-public/technical-publications/barcodescanners/xenon/xenon-ug.pdf)**:
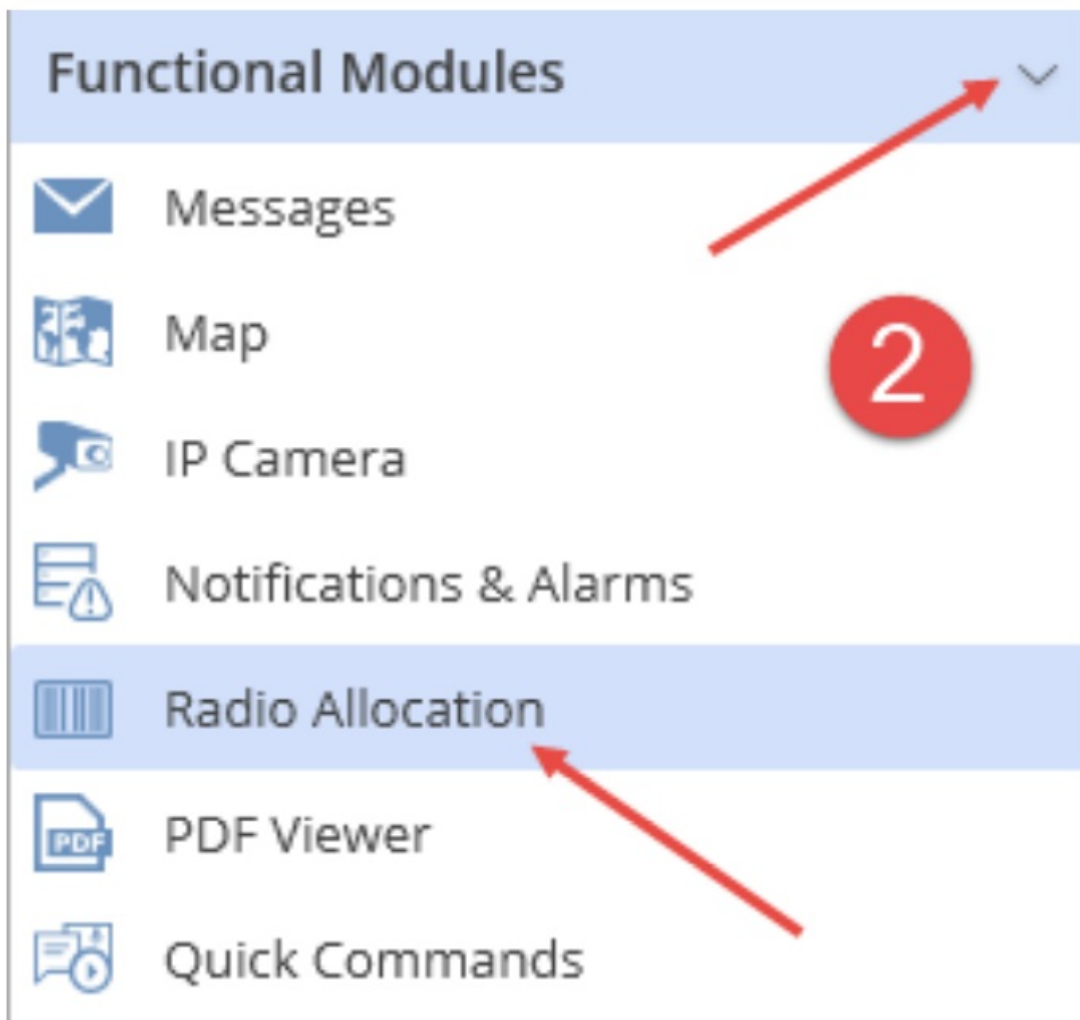
- Run the TRBOnet One application.
- Go to

  Console Settings > General > Hardware Devices > Barcode scanner.
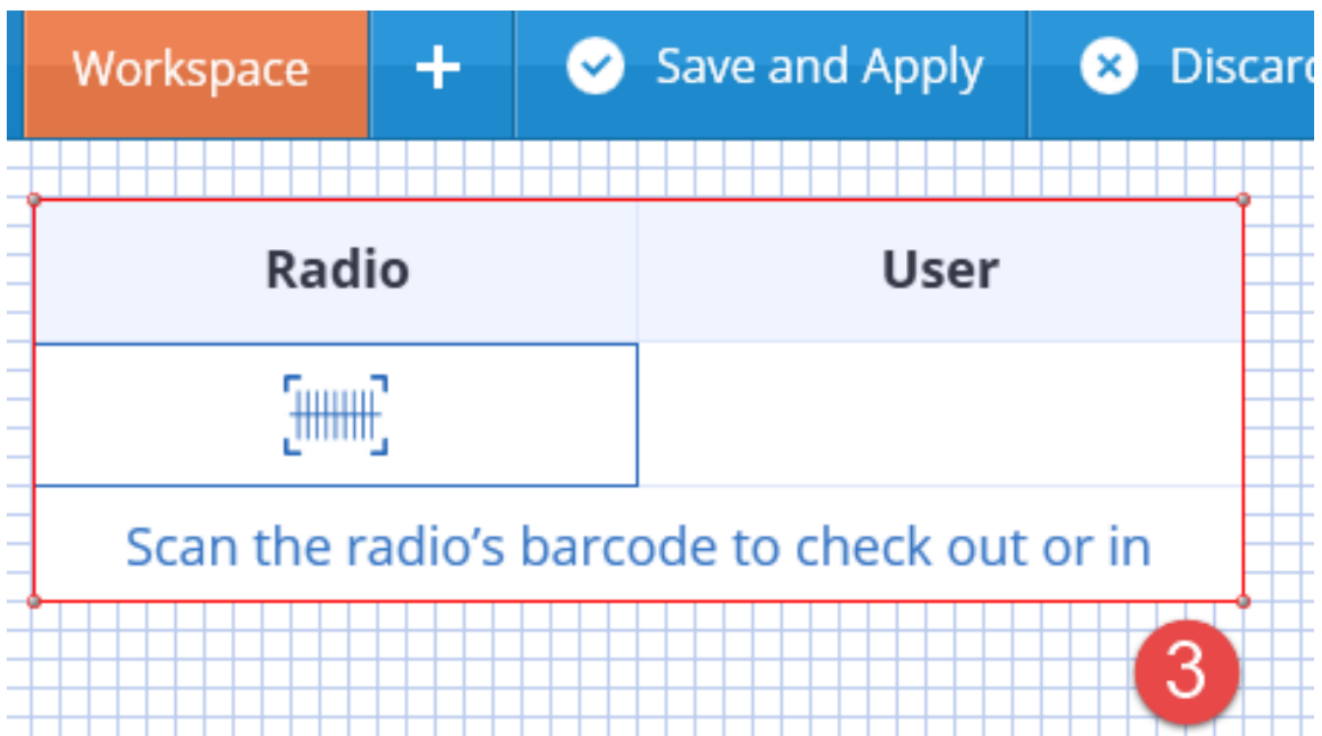- From the drop-down list, select 1900.
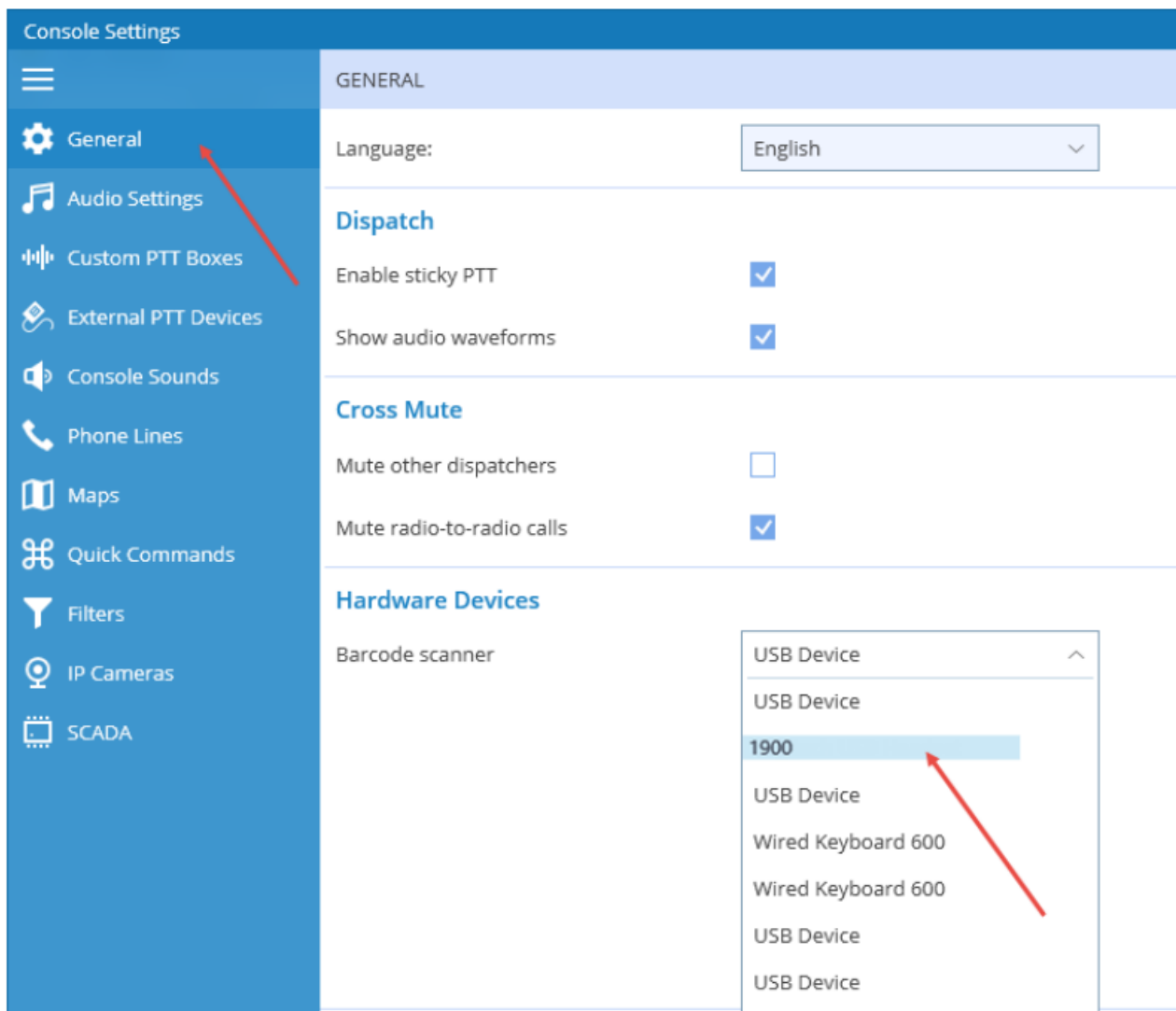
- Enable the Design Mode.
- Add a Workspace tab (1).
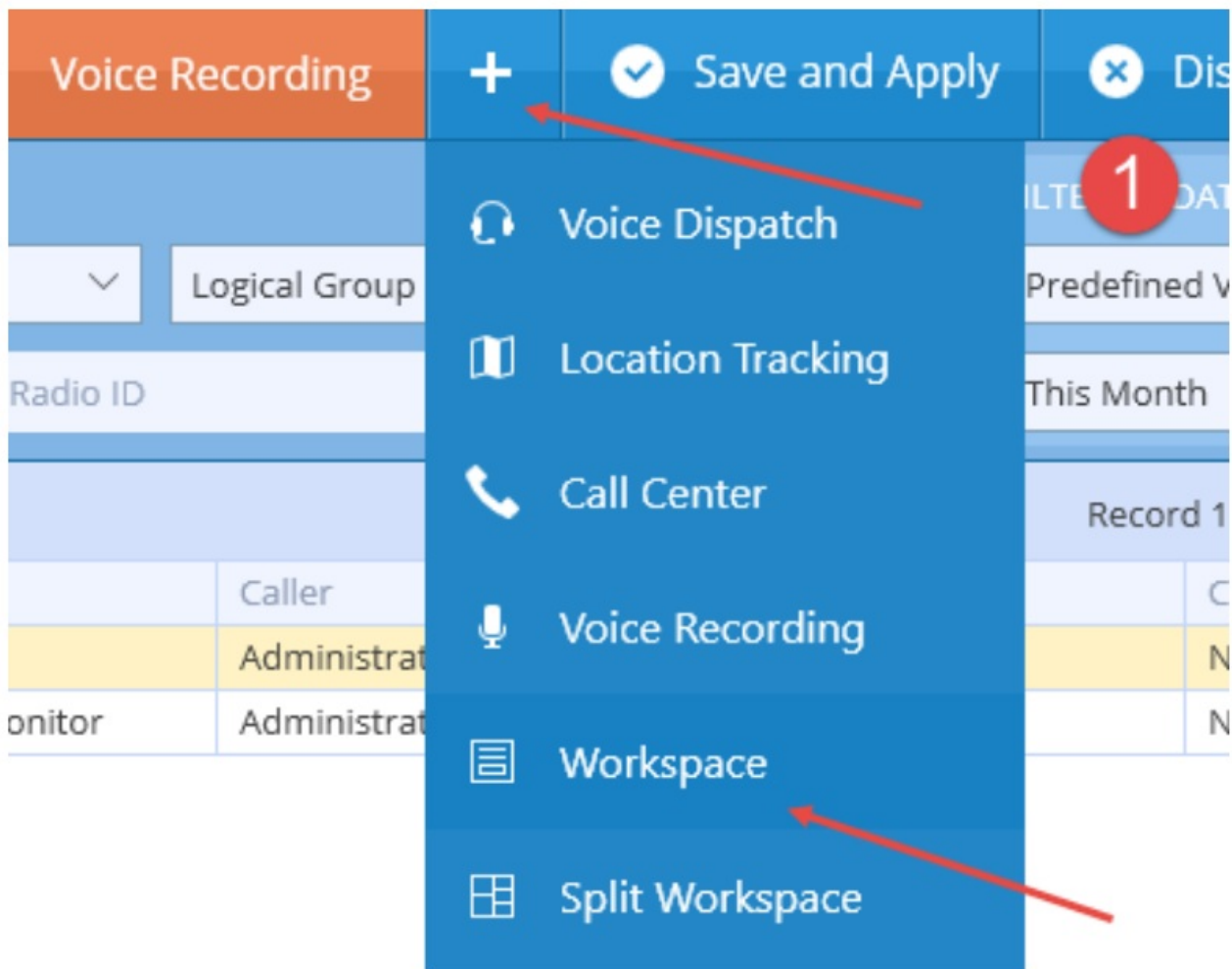
- In the right pane, go to Functional Modules > Radio Allocation (2).

- Drag it to the newly created workspace (3).

Reports

The administrator/dispatcher can generate reports on the allocated radios and checked out radios.

- Click the Reports tab, and in the Reports pane, select Usage Statistics Reports > Radio Allocation or Checked Out Radios:

- Enter the required report parameters and click Generate Report.
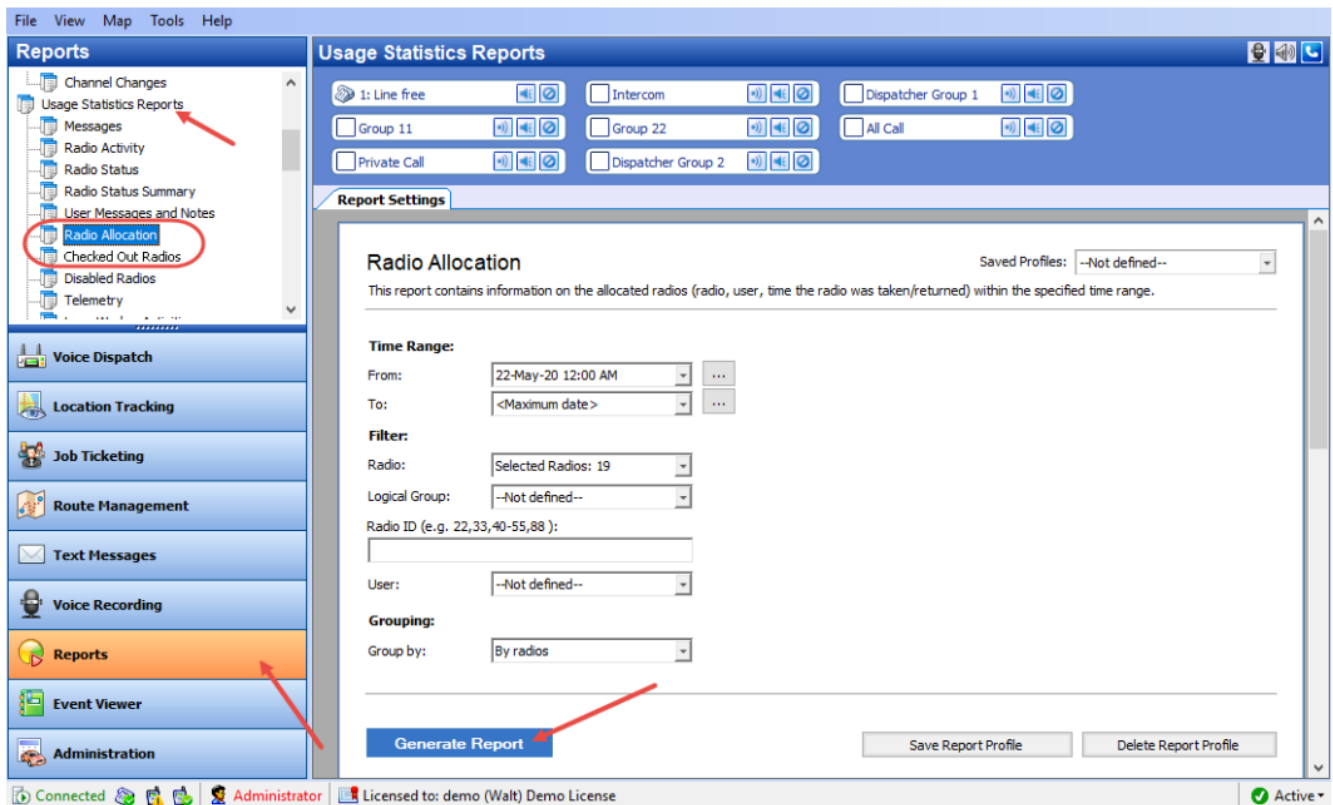
Radio Allocation

This report contains information on the allocated radios (radio, user, time the radio was taken/returned) within the specified time range.

Filter

- **Radio**

  In the list, select the desired radio(s).

- **Logical Group**

  In the list, select the logical group(s).

- **Radio ID**

  Enter a Radio ID or multiple Radio IDs of the radio(s) whose information to include in the report.

- **User**

  From the list, select the user whose information to include in the report.

Grouping

- **Group by**

  From the list, select how to group records in the report, by radios or by users.

Checked Out Radios

This report contains information on the radios that were checked out (taken) and not checked in (returned) during the specified time period.

Filter

- **Radio**

In the list, select the desired radio(s).

- **Logical Group**

  In the list, select the logical group(s).

- **Radio ID**

  Enter a Radio ID or multiple Radio IDs of the radio(s) whose information to include in the report.

- **User**

  In the list, select the user(s) whose information to include in the report.

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Documents / Resources

TRBONET Enterprise PLUS Radio Allocation [pdf] User Guide
Enterprise-PLUS, Version 6.2, Enterprise PLUS Radio Allocation, Enterprise PLUS, Radio Allocation, Allocation

References

- **TRBOnet - Radio Dispatch Solutions**

- **TRBOnet - MOTOTRBO Radio Dispatch Solutions**
- **Industrial Automation | Honeywell**
- **User Manual**