



# **NSP**

## **Network Services Platform**

Release 21.6

# **Wireless NE Views Application Help**

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# 1 Wireless NE Views

## 1.1 What does Wireless NE Views display?

The NSP Wireless NE Views application provides a graphical representation of wireless equipment and logical entities:

- Cards—control board, modem board
- Radio modules
- Ports—SFP, antenna ports, cell antenna ports
  - Antenna ports and cell antenna ports are displayed with their rdnlId.
  - SFPs are displayed with (and in order of) their position number.
- Links
- LteCells
- Sectors

A contextual alarm list displayed alongside the graphical representation of MR BTS hardware allows you to perform alarm management and drill-down tasks.

 **Note:** The Wireless NE Views does not display pre-provisioned NEs.

## 1.2 How do I find and display an MR BTS?

Use the Name search bar in the top-right corner of the Wireless NE View to find and select the MR BTS that you need to display.

1. Start typing the NE name, or part of it, to display a list of NEs whose names include the string, and then click the NE to display it.
2. Click the drop-down list arrow to view the available MR BTS NEs, and then select an MR BTS.
3. Click the refresh button in front of the Name search bar.

## 1.3 What is the Graphical View?

The Graphical View is a circular display of the MR BTS NE, connected hardware, and logical objects. The Graphical View shows NE commissioned hardware and logical relationships with LteCells. The Graphical View displays the NE components as a wedge shape when the MR BTS has fewer than 3 cells.

The Graphical View shows the following MR BTS components in the circular display:

- center of the ring: NE (eNB)
- first ring: boards: (BBMOD, RFME, RRH, SMOD, TRDU)
- second ring: radio modules (RMOD)

- third ring: logical objects (LNCEL)

The Graphical View also shows visual elements that add details about the MR BTS components:

- links between components (ANTL, CABLINK, CHANNEL)
- contextual tooltips (identifying and state information for each section)
- directional port-to-port link information
- color-coded health and state information for components and links

## 1.4 What can I do in the Graphical View?

You can perform the following tasks in the Graphical View:

- Select a specific component in the Graphical View to display specific fault management information in the Alarm List.
- Right-click an object and then choose a contextual option to navigate to the logical view (for LteCell) or components view (for all others).
- Rotate sections of the NE view by clicking and dragging components, which is useful for aligning links in the display.
- Zoom in and out by rotating the mouse wheel button.

## 1.5 What do object tooltips show?

Object tooltips show the following information:

- identifiers (name, alias, ID, hardware number, management IP)
- state and status indicators
- the number of major and critical alarms
- the Site Name of RFMs

## 1.6 What is the Alarm List?

The Alarm List displays a filterable list of alarms currently raised against the selected hardware or object. The listed alarms depend on the object selection.

- When you select the central MR BTS object, or no object at all, the Alarm List displays all the alarms.
- When you select an object (other than the central MR BTS object), the Alarm List displays only the alarms for that object.

You can expand alarms to view specific alarm fields, and perform right-click actions including:

- view alarm impacts, root causes, object impacts and object point of view diagrams
- acknowledge and unacknowledge alarms, assign severity to alarms, assign administrative states to alarmed objects, edit alarm custom text, delete and clear alarms
- navigate to the affected object in the NFM-P GUI

- view alarm history and object alarm history in the NFM-P GUI
- display alarm information in a new window that allows you to copy alarm details to the clipboard

You can add/remove, sort, and autofit columns in the Alarm List by right-clicking on a column and selecting the options in the Columns list. You can reposition columns by clicking and dragging.

Wireless NE Views features an Auto Refreshing toggle button in the bottom-left corner of the Alarm List. This button enables or disables alarm polling, which takes place every 30 seconds by default. The Auto Refreshing is turned on by default, and you can pause it, as required.

## 1.7 How are object health indicators displayed?

The color of objects in Wireless NE Views depends on the object health status. By default, the object color is light gray.

The object Administrative State determines the object color. If the Administrative State of an object is “locked” or in shutdown, the object color is dark gray.

The following table summarizes the object health indicators when the Administrative State of an object is “unlocked”, taking into account object alarms, operational state, and availability status.

IF	THEN	ELSE
there is a critical alarm OR the operational state is “disabled” OR the availability status is “off duty”	the object border is red	the object border is green
there is a major alarm OR the availability status is “degraded”	the object border is orange	

The color of links in Wireless NE Views depends on the health status of the connected objects. The application uses the following rules:

- CPRI links: the health of the link is equal to the lowest health of the connected radio equipment.
- Antenna links: the health of the link is equal to the antennaPort health.

## 1.8 What are User Preferences?

Wireless NE Views features a User Preferences menu with the following options:

- Show all links—enable or disable the display of all links by default.
- Show unhealthy links—enable or disable health indicators for links.
- Show highlighted links—enable or disable highlighting for links on selected components.
- Show tooltips—enable or disable tooltips.

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## 1.9 How do I start Wireless NE Views from the NSP Launchpad?

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Open the NSP Launchpad:

1. Open a compatible web browser on your workstation.
2. Navigate to the NSP Launchpad: `https://Server_IP`.  
where *Server\_IP* is the IP address of the NSP server
3. Enter your login credentials and click Login. The NSP Launchpad opens.

2

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Click the Wireless NE Views icon. The application starts.

END OF STEPS

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## 1.10 How to launch Wireless NE Views from Wireless Supervision?

You can perform an in-context launch of Wireless NE Views from Wireless Supervision. Right-click an MR BTS in the eNodeBs View, and choose Show in Wireless NE Views.