System Release 7.17.2
ASTRO® 25
INTEGRATED VOICE AND DATA

Affiliation Display User Guide

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Document History

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About Affiliation Display User Guide

Affiliation Display is an application that displays the association of a radio with a talkgroup and a site, and information about conventional channels, console sites, and consoles. It enables you to monitor how radio users travel between different sites in a zone and how they communicate with other members of their assigned talkgroup and those outside of their talkgroup.

What Is Covered In This Manual?

This manual contains the following chapters:

- Affiliation Display Description on page 21, presents an overview of Affiliation Display. It also compares this application to ZoneWatch.
- Affiliation Display Operation on page 25, describes how to access Affiliation Display and use the viewers to access the console site, conventional channel, radio, site, and talkgroup information.
- Affiliation Display Reference on page 39, describes the elements of the Affiliation Display window and its viewers.

Helpful Background Information

Motorola Solutions offers various courses designed to assist in learning about the system. For information, go to http://www.motorolasolutions.com/training to view the current course offerings and technology paths.

Related Information

See the following documents for associated information about the radio system.

Related Information	Purpose
Standards and Guidelines for Communication Sites	Provides standards and guidelines that should be followed when setting up a Motorola Solutions communications site. Also known as R56 manual. This document may be purchased by calling the North America Parts Organization at 800-422-4210 (or the international number: 302-444-9842).
System Overview and Documentation Reference Guide	Provides an overview of the ASTRO® 25 new system features, documentation set, technical illustrations, and system-level disaster recovery that support the ASTRO® 25 radio communication system.
License Manager User Guide	Provides information about the use of licenses to gain access to features and functions in the ASTRO 25 system. It describes the installation of the License Manager in the system and explains how to use the web-based License Manager user interface (UI) to load, view, and manage licenses in the system.

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Chapter 1

Affiliation Display Description

This chapter provides a high-level description of Affiliation Display and the function it serves on your system.

1.1 Affiliation Display Overview

Affiliation Display is an application that displays the association of a radio with a talkgroup and site, and information about conventional channels, console sites, and consoles. It enables you to monitor how radio users travel between different sites in a zone and how they communicate with other members of their assigned talkgroup and those outside of their talkgroup. It monitors affiliation status for Analog Conventional or ASTRO® 25 system Conventional channel availability.

NOTICE: For ASTRO® 25 systems where a zone interfaces or coexists with equipment in an ASTRO® 25 system conventional site, the term *zone* includes all infrastructure that is directly related to the zone controller, which may include calls and signaling taking place on channels shared with the ASTRO® 25 system. For example, a radio sending an emergency alarm on a channel shared with an ASTRO® 25 system site displays the alarm independently on both the ASTRO® 25 system and current infrastructures. You can decide how you want to monitor these events and manage the possible duplication of the event on both infrastructures.

Affiliation Display Licensing

In the ASTRO® 25 system, you must purchase a license or licenses to get access to selected applications, features, and services. Affiliation Display is a licensed applicationyou must purchase one or more session licenses. The session license is used to manage a number of application client sessions. For Affiliation Display, you can buy several licenses for a group of users. When a user starts an Affiliation Display session, a license from a pool of your session licenses is used. For more information, see the *License Manager User Guide*.

1.2 Purpose of Affiliation Display

Affiliation Display application lets you monitor the traffic for a selected zone.

You can use Affiliation Display to do the following:

- Dynamically monitor selected radios, sites, talkgroups, consoles, and conventional channels within a zone.
- Monitor current affiliation/deaffiliation information for radios and consoles.
- Track how radios are roaming between sites, and how traffic moves within sites in a zone.
- Determine the sites and console sites where each talkgroup is currently operating.
- See how radio usage is distributed across sites and talkgroups, which can help determine if system resources are deployed to maximize system performance.
- Display graphs of the site, console site, and talkgroup data.

The information is displayed in five ways:

- By console site ID/alias in the Console Site Conventional Viewer
- By conventional channel ID in the Conventional Channel Viewer

- By radio ID/alias in the Radio Viewer
- By site ID/alias in the Site Viewer
- By talkgroup ID/alias in the Talkgroup Viewer

The Affiliation Display main window summarizes information for all five viewers. The information is displayed in nearly real time and is constantly updated, as radios roam from one site to another or change talkgroups. You can view a radio in more than one zone.

1.2.1
Console Site Conventional Viewer

Console Site Conventional Viewer enables you to monitor the current affiliation status for any console sites available in the system. The window displays affiliation information for the console sites in the zone, such as affiliated consoles, channels, and conventional talkgroups.

1.2.2
Conventional Channel Viewer

Conventional Channel Viewer allows you to monitor the current affiliation status for a conventional channel available in the system. The window displays affiliation information for the console sites and channels in the zone such as the console site ID/alias, console user ID, channel ID, timestamp of the last change in affiliation, and the current affiliation status.

1.2.3
Radio Viewer

Radio Viewer allows you to monitor affiliations for one or more radios at one or more sites and locate specified radios by ID. The window displays affiliation information for a custom list of radios. Each row in the table shows the radio ID/alias and radio type, talkgroup ID/alias and number of talkgroups, site ID/alias, timestamp of the last change in affiliation for the radio, and current affiliation status.

1.2.4
Site Viewer

Site Viewer allows you to monitor affiliations by site and view a list of talkgroups or radios at a site. The window displays site type, ID/alias, and a number of talkgroups for that site, along with the number of radios affiliated to each talkgroup. You can also view details on all the individual radio IDs/aliases affiliated at the selected site. You can view site information for a single site or for all sites in a particular zone.

1.2.5
Talkgroup Viewer

Talkgroup Viewer allows you to monitor affiliations by talkgroup. You can view information for all available sites for a particular talkgroup or for all available radios associated with a particular talkgroup. You can also view details on the individual site type, IDs/aliases, and the type of radios affiliated to that talkgroup with the time of affiliation information and the current affiliation status.

Talkgroup affiliation information is included in the ATIA (Air Traffic Information Access) message. The ATIA Log Viewer is a zone-level view of the talkgroup access mode, which can identify the talkgroup access mode as either FDMA-only or TDMA-only at the zone-level.

Talkgroup affiliation information providing the talkgroup access mode for a given talkgroup is a zone-level value and not a system-level value. Therefore, due to potentially dynamic nature of the talkgroup access mode, when DDM-capable sites are employed in the system, it is possible for talkgroup

affiliation information to indicate that the talkgroup access mode (FDMA-only, TDMA-only) for a given talkgroup differs from zone to zone.

1.3 How Affiliation Display Works

The affiliation database resides on the Air Traffic Router server application (ATR), which receives radio call traffic in the form of Air Traffic Information Access (ATIA) packets from the zone controller and broadcasts these packets on the network as an ATIA stream.

The radio call traffic information in the ATIA packets contains talkgroup and site affiliation and deaffiliation information for each user in a particular zone. The affiliation database collects this information and provides updates to STM (System Traffic Monitor) applications such as Affiliation Display.

NOTICE: If the link between the Air Traffic Router and the zone controller is down, the information displayed in the Affiliation Display is not adequate to the current affiliations in the zone.

1.4 Affiliation Display Compared to ZoneWatch

Affiliation Display and ZoneWatch show different types of information. Affiliation Display is more suitable to trace a state/location of a single subscriber, and is used to monitor location and affiliation information organized by site, console site, radio, channel, or talkgroup. ZoneWatch is used to monitor call traffic and allows you to organize displayed information using various criteria.

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Chapter 2

Affiliation Display Operation

This chapter details tasks that you perform once the Affiliation Display is installed and operational on your system.

2.1 Starting Affiliation Display

Use the Motorola Private Radio Network Management (PRNM) Suite Application Launcher to open the Affiliation Display application.

Procedure:

1 Double-click the **Motorola PRNM Suite** icon on the desktop.

Figure 1: PRNM Suite Icon

The Motorola PRNM Application Launcher display window appears with a list of PRNM application entities for each zone.

2 Double-click the **Primary Zone Core** or **Backup Zone Core** icon.

NOTICE: For systems without the DSR feature, it is always Primary Zone Core.

A list of the available zones appears.

3 Click the icon for the zone that you want to monitor.

The Explorer Window content is updated with the proper applications for the selected zone.

4 Double-click the **Affiliation Display** icon.

The Affiliation Display main window appears.

2.2 Opening an Affiliation Display Viewer

Affiliation Display uses five different viewers to display specific affiliation information within a zone.

From the **View** menu in the Affiliation Display main window, select one of the following:

- **Console Site Conventional Viewer** to display affiliation information for selected console sites
- **Conventional Channel Viewer** to display information about conventional channels
- **Radio Viewer** to display affiliation information for selected radios
- **Site Viewer** to display affiliation information for selected sites in the zone
- **Talkgroup Viewer** to display affiliation information for selected talkgroups

2.3 Console Site Conventional Viewer

The Console Site Conventional Viewer lets you monitor the current affiliation status for any console site in the zone. See Affiliation Display Reference on page 39 for more information on the Console Site Conventional Viewer.

2.3.1 Adding a Console Site to the Console Site Conventional Viewer

Procedure:

1. In the **Console Site Conventional Viewer**, type a valid Console Site ID or alias in the text box on the toolbar.
2. Do one of the following:
   - Press ENTER.
   - Click the **Add Entry** toolbar button
   - From the **Entries** menu, select **Add Entry**.

   Information for the Console Site is added to the **Selected Console Site Information** list in the **Console Site Conventional Viewer**.

2.3.2 Removing a Console Site from the Console Site Conventional Viewer

Procedure:

1. In the **Console Site Conventional Viewer**, select a Console Site from the **Selected Console Site Information** list.
2. Do one of the following:
   - Click the **Remove Entry** toolbar button .
   - From the **Entries** menu, select **Remove Entry**.
   - Right-click the entry and select **Remove Entry**.

   The selected Console Site is removed from the **Selected Console Site Information** list in the **Console Site Conventional Viewer**.

2.3.3 Viewing all Available Console Sites in the Console Site Conventional Viewer

Procedure:

1. Click the **View All Console Sites** toolbar button .

   All the available console sites appear in the **Selected Console Site Information** list of the **Console Site Conventional Viewer**.
2. To close the **Console Site Conventional Viewer**, click **Close**.

2.3.4
Viewing a List of Conventional Channels for the Selected Console Site

Procedure:

1. In the **Console Site Conventional Viewer**, select a Console Site from the **Selected Console Site Information** list.
2. Do one of the following:

   - Click the **View Conventional Channels for selected Entry** toolbar button .
   - From the **Entries** menu, select **View Conventional Channels**.
   - Right-click the entry and select **View Conventional Channels**.

   A list of channels for a selected Console Site is displayed in the Channels at the Console Site list.

2.3.5
Viewing a List of Conventional Talkgroups for the Selected Console Site

Procedure:

1. In the **Console Site Conventional Viewer**, select a Console Site from the **Selected Console Site Information** list.
2. Do one of the following:

   - Click the **View Conventional Talkgroups for selected Entry** toolbar button .
   - From the **Entries** menu, select **View Conventional Talkgroups**.
   - Right-click the entry and select **View Conventional Talkgroups**.

   A list of talkgroups for a selected Console Site is displayed in the Talkgroups at the Console Site list.

2.3.6
Viewing a List of Consoles/Console Users for the Selected Console Site

Procedure:

1. In the **Console Site Conventional Viewer**, select a Console Site from the **Selected Console Site Information** list.
2. Do one of the following:

   - Click the **View Consoles for the selected Entry** toolbar button .
   - From the **Entries** menu, select **View Consoles**.
   - Right-click the entry and select **View Consoles**.

   A list of consoles for the selected Console Site is displayed in the Consoles at the Console Window.

NOTICE: For ASTRO® 25 Conventional system, a list of console users is displayed in the Consoles at the Console Site list.

2.3.7
Opening the Console Site Conventional Viewer Detail Window

Procedure:

1. In the **Console Site Conventional Viewer**, select a Console Site from the **Selected Console Site Information** list.
2. Do one of the following:
   - Click the **Detail** toolbar button .
   - From the **Entries** menu, select **Detail Window**.
   - Right-click the entry and select **Detail Window**.

   The Detail Window for the selected console site appears with information specific to the console site. The title bar displays the name of the console site.

2.4
Conventional Channel Viewer

Conventional Channel Viewer allows you to view the current affiliation status for conventional channels. The window displays the number of console sites having consoles affiliated to the channel. See Affiliation Display Reference on page 39 for more information on the Conventional Channel Viewer.

2.4.1
Adding a Channel to the Conventional Channel Viewer

Procedure:

1. In the **Conventional Channel Viewer**, type a valid Channel Number, a Conventional Site ID, or alias and Zone ID in the text boxes on the toolbar.
2. Do one of the following:
   - Press ENTER.
   - Click the **Add Entry** toolbar button .
   - From the **Entries** menu, select **Add Entry**.

   Information for the Conventional Channels is added to the **Selected Conventional Channel Information** list in the **Conventional Channel Viewer**.

2.4.2
Removing a Channel from the Conventional Channel Viewer

Procedure:

1. In the **Conventional Channel Viewer**, select a channel from the **Selected Conventional Channel Information** list.
2. Do one of the following:

- Click the **Remove Entry** toolbar button .
- From the **Entries** menu, select **Remove Entry**.
- Right-click the entry and select **Remove Entry**.

The selected channel is removed from the **Selected Conventional Channel Information** list in the **Conventional Channel Viewer**.

2.4.3
Viewing a List of Console Sites for the Selected Channel

Procedure:

1. In the **Conventional Channel Viewer**, select a Channel from the **Selected Conventional Channel Information** list.
2. Do one of the following:

   - Click the **View Console Sites for the selected Entry** toolbar button .
   - From the **Entries** menu, select **View Console Sites**.
   - Right-click the entry and select **View Console Sites**.

   A list of console sites for the selected Channel is displayed in the Console Sites at Channel in the **Conventional Channel Viewer**.

2.4.4
Viewing a List of Console Users for the Selected Channel

Procedure:

1. In the **Conventional Channel Viewer**, select the channel from the **Selected Conventional Channel Information** list.
2. Do one of the following:

   - Click the **View Consoles** toolbar button for the selected entry .
   - From the **Entries** menu, select **View Consoles**.
   - Right-click the entry and select **View Consoles**.

   A list of console users who are configured on the console computer and on the selected channel is displayed in the Consoles at the Channel list.

   NOTICE: For Analog Conventional, a list of consoles for the selected channel is displayed in the Consoles at the Channel list.

2.4.5
Opening the Conventional Channel Viewer Detail Window

Procedure:

1. In the **Conventional Channel Viewer**, select a channel from the **Selected Conventional Channel Information** list.
2. Do one of the following:

- Click the **Detail** toolbar button .
- From the **Entries** menu, select **Detail Window**.
- Right-click the entry and select **Detail Window**.

The Detail Window for the selected channel appears with information specific to the channel. The title bar displays the number of the channel.

2.5 Radio Viewer

The Radio Viewer window lets you monitor site affiliation and talkgroup affiliation for the selected radios. It allows you to monitor selected sites and console sites. The following three radio types can be monitored:

- **CON** – Console (trunking resources)
- **HPD** – High Performance Data Radio
- **IVD** – Integrated Voice and Data Radio (trunking resources)

NOTICE: UNK status displays when the radio type cannot be determined.

2.5.1 Adding a Radio to the Radio Viewer

When and where to use: To view affiliation information for a specific radio, add the radio to the Radio Viewer using either the ID or the alias. You also must choose the system from the combo box.

NOTICE: To display all the radios with the same ID or the alias use All Systems option in a combo box.
You can view the valid radio IDs and aliases in your system by browsing through the radio user records in the Provisioning Manager.

Procedure:

1. In the **Radio Viewer**, type a valid radio ID or alias in the text box and select the system from the combo box on the toolbar.
2. Do one of the following:
   - Press ENTER.
   - Click the **Add Entry** toolbar button .
   - From the **Entries** menu, select **Add Entry**.

   Information for the radio ID is added to the **Selected Radio Information** list in the **Radio Viewer**.

2.5.2 Removing a Radio from the Radio Viewer

Procedure:

1. In the **Radio Viewer**, select a radio from the **Selected Radio Information** list.
2. Do one of the following:

- Click the **Remove Entry** toolbar button .
- From the **Entries** menu, select **Remove Entry**.
- Right-click the entry and select **Remove Entry**.

The selected radio is removed from the **Selected Radio Information list** in the **Radio Viewer**.

2.5.3
Locating a Radio in the Radio Viewer

When and where to use: You can use the Radio Viewer to show location information for an individual radio.

Procedure:

1. In the **Radio Viewer**, type a valid radio ID or alias in the text box and select the system from the combo box on the toolbar.
2. Do one of the following:
   - Click the **Locate Radio** toolbar button .
   - From the **Entries** menu, select **Locate Radio**.

   The **Radio Locator** window appears with the affiliated site and talkgroup information for the selected radio.
3. To close the **Radio Locator** window, click **Close**.

2.5.4
Viewing a List of Talkgroups for the Selected Radio in the Radio Viewer

Use this procedure to see the number of talkgroups to which the console is affiliated. It is active only for the consoles currently affiliated to more than one talkgroup.

Procedure:

1. In the **Radio Viewer**, type a valid radio ID or alias in the text box on the toolbar.
2. Do one of the following:
   - Click the **View a list of Talkgroups** toolbar button .
   - From the **Entries** menu, select **View Talkgroups**.
   - Right-click the entry and select **View Talkgroups**.

   The information about talkgroups for the selected entry is displayed.
3. To close the **Radio Viewer Talkgroup** list, click **Close**.

2.5.5
Opening the Radio Detail Window

The Detail Window for a radio displays information about talkgroups and information about the site in which the radio is affiliated.

Procedure:

1. In the **Radio Viewer**, select a radio from the **Selected Radio Information** list.
2. Do one of the following:
   - Click the **Detail** toolbar button .
   - From the **Entries** menu, select **Detail Window**.
   - Right-click the entry and select **Detail Window**.

   The Detail Window for the selected site appears with information specific to the radio.

2.6 Site Viewer

The Site Viewer displays information for radios registered and talkgroups affiliated with one or more sites in the zone. Using this window allows you to obtain a picture of how radio activity is concentrated by site. It can be useful to determine, weather system resources are deployed to maximize system performance. The following three site types can be monitored:

- **CON** – Console
- **HPD** – High Performance Data
- **IVD** – Integrated Voice and Data

NOTICE: UNK status displays when site type cannot be determined.

2.6.1 Adding a Site to the Site Viewer

Use this procedure to view radio and talkgroup affiliation information for a specific site, add the site ID or site alias to the Site Viewer.

NOTICE: You can view the valid site IDs and aliases in a zone by browsing through the site records in the Provisioning Manager.

Procedure:

1. In the **Site Viewer**, type a valid site ID or site alias in the text box on the toolbar.
2. Do one of the following:
   - Press ENTER.
   - Click the **Add Entry** toolbar button .
   - From the **Entries** menu, select **Add Entry**.

   Information for the site appears in the **Selected Site Information** list in the **Site Viewer**.

2.6.2 Adding All Available Sites to the Site Viewer

Procedure:

In the **Site Viewer**, do one of the following:

- Click the **Add Sites** toolbar button .

- From the **Entries** menu, select **All Sites**.

Information for all available sites appears in the **Selected Site Information** list in the **Site Viewer**.

2.6.3
Removing a Site from the Site Viewer

Procedure:

1. In the **Site Viewer**, select a site from the **Selected Site Information** list.
2. Do one of the following:

- Click the **Remove Entry** toolbar button .
- From the **Entries** menu, select **Remove Entry**.
- Right-click an entry and select **Remove Entry**.

Information for the selected site is removed from the **Selected Site Information** list in the **Site Viewer**.

2.6.4
Viewing a List of Talkgroups for the Selected Site

Procedure:

1. In the **Site Viewer**, select a site from the **Selected Site Information** list.
2. Do one of the following:

- Click the **View Talkgroups** toolbar button .
- From the **Entries** menu, select **View Talkgroups**.
- Right-click the entry and select **View Talkgroups**.

Information for all available talkgroups appears in the Talkgroups at the Site detail list in the **Site Viewer**.

2.6.5
Viewing a List of Radios for the Selected Site

Procedure:

1. In the **Site Viewer**, select a site from the **Selected Site Information** list.
2. Do one of the following:

- Click the **View Radios** toolbar button .
- From the **Entries** menu, select **View Radios**.
- Right-click the entry and select **View Radios**.

Information for all available radios appears in the Radios at the Site detail list in the **Site Viewer**.

2.6.6
Opening the Site Detail Window

The Detail Window displays information for all the talkgroups and radios affiliated to a particular site.

Procedure:

1. In the **Site Viewer**, select a site from the **Selected Site Information** list.
2. Do one of the following:
   - Click the **Detail** toolbar button .
   - From the **Entries** menu, select **Detail Window**.
   - Right-click the entry and select **Detail Window**.

   The Detail Window for the selected site appears with information specific to the site. The title bar displays the name of the site.

2.6.7
Graphing Affiliations for a Site

Procedure:

1. In the **Site Viewer**, select a site from the **Selected Site Information** list.
2. From the **Entries** menu, select **View Talkgroups**.

   A list of Talkgroups appears in the Talkgroups at the Site detail list. **Graph Sites** button becomes active.
3. Do one of the following:
   - Click the **Graph Sites** toolbar button .
   - From the **Entries** menu, select **Graph Sites**.

   A bar graph appears showing the number of talkgroups and radios at the selected site.

   NOTICE: At least one site must be listed in **Site Viewer** to be able to graph talkgroups.

2.6.8
Graphing Talkgroup Affiliations for a Site

Procedure:

1. In the **Site Viewer**, select a site from the **Selected Site Information** list.
2. From the **Site Viewer Entries** menu, select **View Talkgroups**.

   Talkgroups for a selected site appear in the Talkgroups at the Site detail list in the **Site Viewer** window.
3. Do one of the following:
   - Click the **Graph Talkgroups** toolbar button .

- From the **Entries** menu, select **Graph Talkgroups**.

A bar graph appears, showing the number of radios affiliated with one or more talkgroups at a specific site.

2.7 Affiliation Display Talkgroup Viewer

The Talkgroup Viewer displays information on radios and sites affiliated with one or more talkgroups in the zone. See Talkgroup Viewer on page 22 for details.

2.7.1 Adding a Talkgroup to the Talkgroup Viewer

When and where to use: You can view affiliation information for a specific talkgroup, including which radios are affiliated to the talkgroup and the sites where the users are located. To view this information, add the talkgroup to the Talkgroup Viewer using either the ID or the alias and system.

NOTICE: You can view the valid talkgroup types, IDs, and aliases in your system by browsing through the talkgroup and multigroup records in the Provisioning Manager.

Procedure:

1. In the **Talkgroup Viewer**, type a valid talkgroup ID or alias in the text box and select the system from the combo box on the toolbar.
2. Do one of the following:
   - Press ENTER.
   - Click the **Add Entry** toolbar button .
   - From the **Entries** menu, select **Add Entry**.

   Information for the talkgroup appears in the **Selected Talkgroup Information** list in the **Talkgroup Viewer**.

2.7.2 Removing a Talkgroup from the Talkgroup Viewer

Procedure:

1. In the **Talkgroup Viewer**, select a talkgroup from the **Selected Talkgroup Information** list.
2. Do one of the following:
   - Click the **Remove Entry** toolbar button .
   - From the **Entries** menu, select **Remove Entry**.
   - Right-click an entry and select **Remove Entry**.

   Information for the selected talkgroup is removed from the **Selected Talkgroup Information** list in the **Talkgroup Viewer**.

2.7.3
Viewing a List of Sites for the Selected Talkgroup

Procedure:

1. In the **Talkgroup Viewer**, select a talkgroup from the **Selected Talkgroup Information** list.
2. Do one of the following:

   - Click the **View Sites** toolbar button .
   - From the **Entries** menu, select **View Sites**.
   - Right-click the entry and select **View Sites**.

   Information for all the available sites appears in the Sites at the Talkgroup detail list in the **Talkgroup Viewer**.

2.7.4
Viewing a List of Radios for the Selected Talkgroup

Procedure:

1. In the **Talkgroup Viewer**, select a talkgroup from **the Selected Talkgroup Information** list.
2. Do one of the following:

   - Click the **View Radios** toolbar button .
   - From the **Entries** menu, select **View Radios**.
   - Right-click the entry and select **View Radios**.

   Information for all the available radios appears in the Radios at the Talkgroup detail list in the **Talkgroup Viewer**.

2.7.5
Opening the Talkgroup Detail Window

The Detail Window displays information for all sites and radios affiliated to a particular talkgroup.

Procedure:

1. In the **Talkgroup Viewer**, select a talkgroup from the **Selected Talkgroup Information** list.
2. Do one of the following:

   - Click the **Detail** toolbar button .
   - From the **Entries** menu, select **Detail Window**.
   - Right-click the entry and select **Detail Window**.

   The Detail Window for the selected talkgroup appears with information specific to the talkgroup. The title bar displays the name of the talkgroup.

2.7.6
Graphing Talkgroup Affiliations in the Talkgroup Viewer

Procedure:

1. In the **Talkgroup Viewer**, select a talkgroup from the **Selected Talkgroup Information** list.
2. Do one of the following:
   - Click the **Graph Talkgroups** toolbar button .
   - From the **Entries** menu, select **Graph Talkgroups**.

   A bar graph appears showing the number of sites and radios in the zone that are affiliated to each selected talkgroup.

2.7.7
Graphing Site Affiliations for a Talkgroup in the Talkgroup Viewer

Procedure:

1. In the **Talkgroup Viewer**, select a talkgroup from the **Selected Talkgroup Information** list.
2. From the Talkgroup Viewer **Entries** menu, select **View Sites**.
3. Do one of the following:
   - Click the **Graph Sites** toolbar button .
   - From the **Entries** menu, select **Graph Sites**.

   A bar graph appears showing the number of radios at each site within the zone affiliated to a specific talkgroup.

2.8
Sorting Entries on a Viewer

Procedure:

1. Select a column on the viewer.
2. Do the following:
   - To sort entries in the ascending order, click the column.
   - To sort entries in the descending order, click the column again.

   The entries in the column are sorted in the order you indicated.

2.9
Closing a Viewer

In the Viewer, select **Close** from the File menu.

NOTICE: Information about talkgroups added to the viewer is retained even after the Talkgroup Viewer is closed, as long as the Affiliation Display main application is open. The added talkgroups are listed in the Selected Talkgroups Information list when the window is reopened.

2.10

Exiting Affiliation Display

To exit the Affiliation Display, do one of the following:

- Select **Exit** from the File menu on the main window.
- Click **Close** on the main window.
- Select **Exit** from the File menu of any viewer window.

NOTICE: The information you have added in the viewers is not retained when you exit the Affiliation Display main application.

Chapter 3

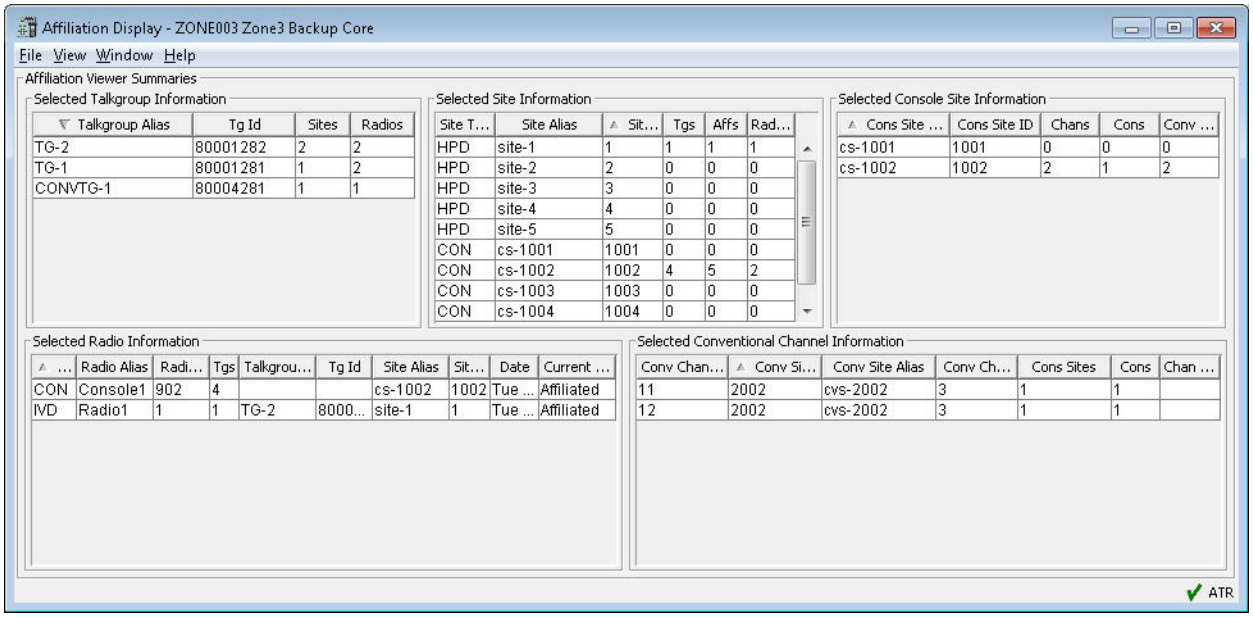
Affiliation Display Reference

This chapter contains supplemental reference information relating to the Affiliation Display.

3.1 Affiliation Display Main Window

The **Affiliation Display** main window has three summary forms which display affiliation information by talkgroup, site, and individual radio and two summary forms which display conventional affiliation confirmation by Conventional Channel or Console Site. The information in these forms reflects the selections made in the viewer windows. The summary forms are also updated when there are changes to the affiliation or the registration status of a radio or a talkgroup.

Figure 2: Affiliation Display Main Window



The title of the **Affiliation Display** main window displays additional data:

Zone ID
The current zone ID that the user is logged on.

Zone Alias
The current zone alias that the user is logged on.

Zone Core

The Primary Core or Backup Core. If Affiliation Display is connected to Primary Zone Core, it is the Primary Core. If Affiliation Display is connected to Backup Zone Core, it is Backup Core.

Table 1: Main Window Summary Forms

The following table shows the different Summary Forms and examples of information provided by the Affiliation Display.

Summary Form	Types of Information
Selected Talkgroup Information	• The number of sites registered with each selected talkgroup. • The number of radio units affiliated with each selected talkgroup.
Selected Site Information	• The number of talkgroups registered for each selected site. • The number of radio units registered for each selected site. • Site type information. • The total number of affiliations for each selected site.
Selected Radio Information	• Talkgroup affiliation for each selected radio unit. • Current Status of the radio for the site. • Radio type information. • Date- displays date of the last affiliation or deaffiliation by the radio. • Radio Alias • Radio Id
Selected Console Site Information	• The number of consoles for each selected console site (analog channels) or the number of console users for each selected console site (digital channels). • The number of channels for each selected console site. • The number of conventional talkgroups to which at least one console from the console site is affiliated.
Selected Conventional Channel Information	• Conventional Site ID and alias for the selected conventional channel. • ZoneID of the conventional channel. • Number of consoles affiliated to conventional channel. • Number of console sites. • ID of conventional channel group.

3.2

Affiliation Display Main Window Menu Bar

The following table describes the Affiliation Display Main Window menu options:

Table 2: Main Window Menu Bar

Menu Option	Drop-down Option	Description
File	Exit	Closes the application.
View	Console Site Conventional Viewer	Opens the Console Site Conventional Viewer window.
	Conventional Channel Viewer	Opens the Conventional Channel Site Viewer window.
	Radio Viewer	Opens the Radio Viewer window.
	Site Viewer	Opens the Site Viewer window.
	Talkgroup Viewer	Opens the Talkgroup Viewer window.
Window	Affiliation Display	While the Affiliation Display main window is open, it gives access to all the opened viewer windows. The user can switch from one viewer window to another.
	Radio Viewer	If the Radio Viewer is open, you can use this option to display it.
	Site Viewer	If the Site Viewer is open, you can use this option to display it.
	Console Site Conventional Viewer	If the Console Site Conventional Viewer is open, you can use this option to display it.
	Talkgroup Viewer	If the Talkgroup Viewer is open, you can use this option to display it.
	Conventional Channel Viewer	If the Conventional Channel Viewer is open, you can use this option to display it.
Help	Help Topics	Provides online help on the various tabs, menus, and actions of the Affiliation Display. You can also use CTRL +T to display it.
	About Affiliation Display	Opens the About Affiliation Display window to provide information about the application.

3.3

Status Bar and Progress Bar

The status bar appears in all Affiliation Display windows (apart from the Radio Locator window). It displays the status of the connection with the Air Traffic Router (ATR). See the following:

Server connected.

Server disconnected.

The progress bar appears during data download from the Affiliation Server (for example, for the list of consoles, talkgroups, or radios).

3.4

Console Site Conventional Viewer

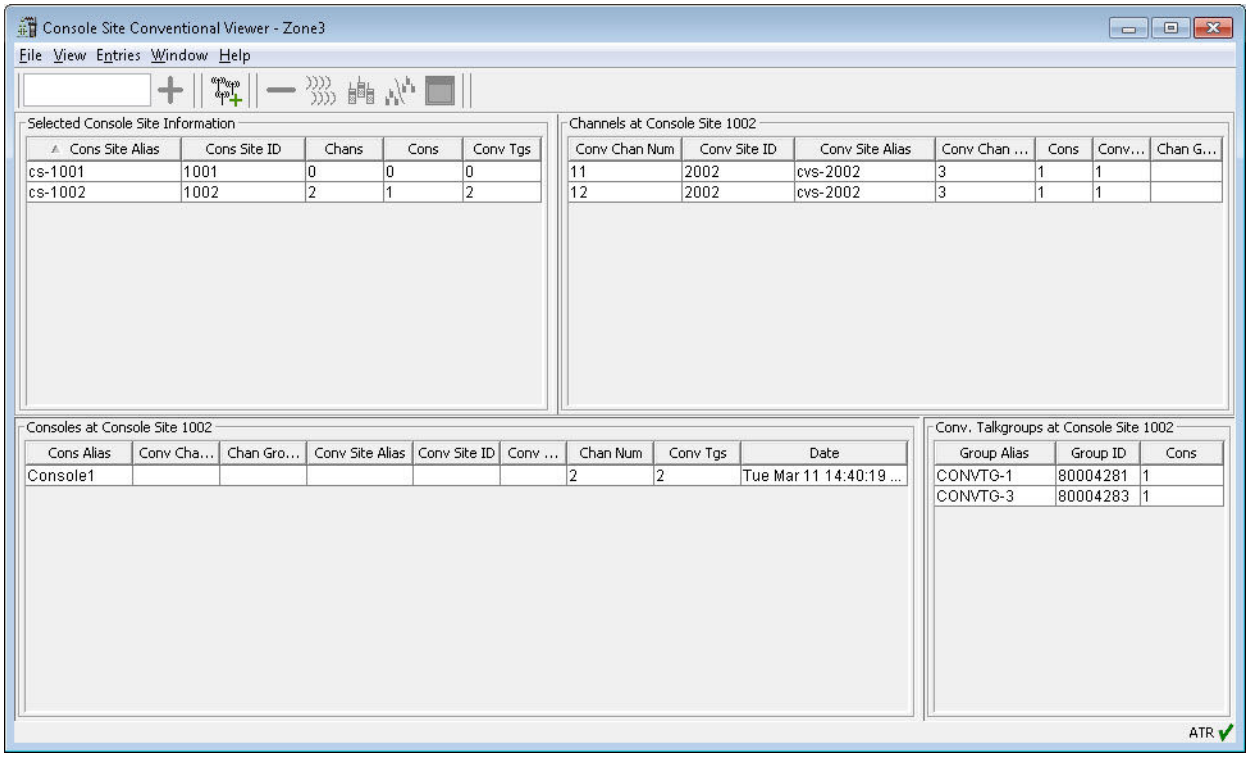
The **Console Site Conventional Viewer** window displays the current conventional affiliation status of console sites. For Analog Conventional, the window displays the number of consoles, and for ASTRO® 25 Conventional system, it displays the number of console users.

The window also displays the following information:

- current number of conventional channels to which at least one console in the console site is affiliated
- number of currently affiliated consoles/console users in the console site
- number of conventional talkgroups to which at least one console from the console site is affiliated

NOTICE: The number of consoles for each selected console site is provided for analog channel resources and the number of console users is provided for each selected console site for digital channels.

Figure 3: Console Site Conventional Viewer Display Window



Related Links

Console Site Conventional Viewer Window on page 43
Console Site Conventional Viewer Fields: Selected Console Site Information on page 43
Console Site Conventional Viewer Fields: Consoles at Console Sites on page 45
Console Site Conventional Viewer Fields: Channels and Conventional Talkgroups at Console Sites on page 44

Console Site Conventional Viewer Menu Bar on page 45

3.4.1
Console Site Conventional Viewer Window

Text Box
Used for entering the console site ID or alias.

Add Entry
Adds the console site ID or alias entered in the text box.

View all Console Sites
Adds all available console sites.

Remove Entry
Removes a selected console site ID or alias from the viewer window.

View List of Conventional Channels
Displays details about all channels at the selected console site.

View List of Consoles
Displays details about all available consoles (analog)/console users (digital) at the selected console site.

View Conventional Talkgroups
Displays details about all conventional talkgroups at the selected console site.

Detail Window
Opens the Detail Window for the selected entry.

3.4.2
Console Site Conventional Viewer Fields: Selected Console Site Information

Table 3: Console Site Conventional Viewer Fields: Selected Console Site Information

Field	Description
Cons Site Alias	Read-only field — displays a unique name that refers to a specific console site. **NOTICE:** For foreign consoles 2 aliases separated with a colon (":") are displayed: console alias and alias of the foreign system.
Cons Site ID	Read-only field — displays a unique number that refers to a specific console site. **NOTICE:** For foreign consoles ID consists of console ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).
Chans	Read-only field — displays the number of affiliation channels for the selected entry.

Table continued…

Field	Description
Cons	Read-only field — displays the total number of consoles/console users affiliated to conventional channels at the console site.
Conv Tgs	Read-only field — displays the number of conventional talkgroups, with at least one console affiliation, for the selected entry.

3.4.3
Console Site Conventional Viewer Fields: Channels and Conventional Talkgroups at Console Sites

Channels at Console Site

Table 4: Console Site Conventional Viewer Fields: Channels at Console Site

Field	Description
Conv Chan Num	Read-only field — displays the channel ID of the channel at the selected conventional site.
Conv Site ID	Read-only field — displays a unique number that refers to a specific conventional site.
Conv Site Alias	Read-only field — displays a unique name that refers to a specific conventional site.
Conv Chan Zone Id	Read-only field — displays the zone ID of channel.
Cons	Read-only field — displays the total number of consoles/console users which are currently affiliated to the selected conventional channel.
Conv Tgs	Read-only field — displays the number of conventional talkgroups, with at least one console affiliation, for the selected entry.
Chan Group ID	Read-only field — displays the Channel Group ID.

Conventional Talkgroups at Console Sites

Table 5: Console Site Conventional Viewer Fields: Conventional Talkgroups at Console Sites

Field	Description
Group Alias	Displays a unique name that refers to a specific talkgroup.
Group ID	Displays a unique number that refers to a specific talkgroup.
Cons	Displays the number of consoles or console users that are currently affiliated to a selected conventional talkgroup.

3.4.4
Console Site Conventional Viewer Fields: Consoles at Console Sites

Consoles at Console Site

Table 6: Console Site Conventional Viewer Fields: Consoles at Console Site

Field	Description
Cons Alias	Read-only field — displays a unique name that refers to a specific console. **NOTICE:** For Analog Conventional, it displays the console alias but for ASTRO® 25 Conventional it displays the console user alias. For foreign consoles 2 aliases separated with a colon (":") are displayed: console alias and alias of the foreign system.
Conv Chan Num	Read-only field — displays the conventional channel ID.
Chan Group ID	Read-only field — displays the Channel Group ID.
Conv Site Alias	Read-only field — displays a unique name that refers to a specific conventional site.
Conv Site ID	Read-only field — displays a unique number that refers to a specific conventional site.
Conv Chan Zone ID	Read-only field — displays the zone ID of channel
Chan Num	Read-only field — displays the number of channels a console is affiliated to.
Conv Tgs	Read-only field — displays the number of conventional talkgroups, with at least one console affiliation, for the selected entry.
Date	Read-only field — displays the date of the last affiliation or deaffiliation of the console site to this conventional channel.

3.4.5
Console Site Conventional Viewer Menu Bar

Table 7: Console Site Conventional Viewer Menu Bar

Menu Option	Drop-down Option	Description
File	Close	Closes the currently selected window.
	Exit	Closes the application.
View	Console Site Conventional Viewer	Opens the Console Site Conventional Viewer.
	Conventional Channel Viewer	Opens the Conventional Channel Viewer.
	Radio Viewer	Opens the Radio Viewer.
	Site Viewer	Opens the Site Viewer.
	Talkgroup Viewer	Opens the Talkgroup Viewer.
Entries	Add Entry	Adds a new console site to the Console Site Conventional Viewer.

Table continued…

Menu Option	Drop-down Option	Description
	All Sites	Adds all console sites affiliated in the system.
	Remove Entry	Removes a selected console site from the Console Site Conventional Viewer window.
	View Conventional Channels	View a list of conventional channels for the selected console site.
	View Consoles	View a list of consoles for the selected console site.
	View Conventional Talkgroups	View a list of conventional talkgroups for the selected console site, to which at least one console from the console site is affiliated.
	Detail Window	Opens a Detail Window.
Window	Affiliation Display	Displays the Affiliation Display window.
	Site Viewer	Displays the Site Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Console Site Conventional Viewer	Displays the Console Site Conventional Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Conventional Channel Viewer	Displays the Conventional Channel Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Radio Viewer	Displays the Radio Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Talkgroup Viewer	Displays the Talkgroup Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
Help	Help Topics	Opens the online help.
	About Affiliation Display	Opens a About Affiliation Display window that provides information about the application.

3.4.6
Console Site Conventional Viewer Pop-up Menu

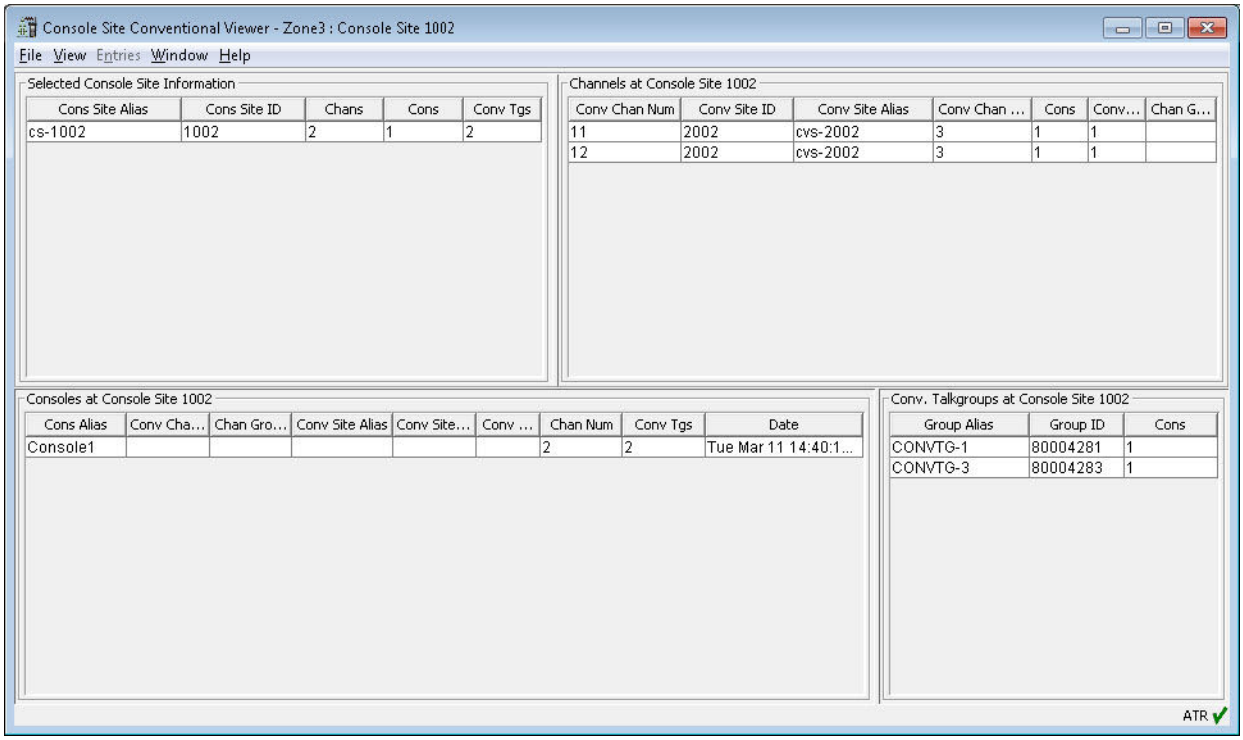
The following pop-up menu opens when you right-click any entry inside the Console Site Conventional Viewer:

Table 8: Console Site Conventional Viewer Pop-up Menu

Menu Option	Description
Remove Entry	Removes a selected entry from the Console Site Conventional Viewer window.
View Conventional Channels	Displays information for all channels at the selected console site.
View Conventional Talkgroups	View a list of conventional talkgroups for the selected console site, to which at least one console from the console site is affiliated.
View Consoles	Displays information for all available consoles/console users at the selected console site.
Detail Window	Opens the Detail Window, showing the console and channel information for the selected console site.

3.4.7
Console Site Conventional Viewer Detail Window

Figure 4: Console Site Conventional Viewer Detail Window



Tables in the following sections describe different fields of the Console Site Conventional Viewer Detail Window:

- Console Site Conventional Viewer Detail Window: Selected Console Site Information on page 48
- Console Site Conventional Viewer Detail Window: Channels at Console Site on page 48
- Console Site Conventional Viewer Detail Window: Consoles and Conventional Talkgroups at Console Sites on page 49

3.4.7.1 Console Site Conventional Viewer Detail Window: Selected Console Site Information

Table 9: Console Site Conventional Viewer Detail Window: Selected Console Site Information

Field	Description
Cons Site Alias	Read-only field — displays a unique name that refers to a specific console site. **NOTICE:** For foreign consoles 2 aliases separated with a colon (":") are displayed: console alias and alias of the foreign system.
Cons Site ID	Read-only field — displays a unique number that refers to a specific console site. **NOTICE:** For foreign consoles ID consists of console ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).
Chans	Read-only field — displays the number of all channels for the selected entry.
Cons	Read-only field — displays the total number of consoles/console users affiliated to conventional channels at the console site.
Conv Tgs	Read-only field — displays the number of conventional talkgroups, with at least one console affiliation, for the selected entry.

3.4.7.2 Console Site Conventional Viewer Detail Window: Channels at Console Site

Table 10: Console Site Conventional Viewer Detail Window: Channels at Console Site

Field	Description
Conv Chan Num	Read-only field — displays the channel ID of the channel at the selected conventional site.
Conv Site ID	Read-only field — displays a unique number that refers to a specific conventional site.
Conv Site Alias	Read-only field — displays a unique name that refers to a specific conventional site.
Conv Chan Zone Id	Read-only field — displays the zone ID of the channel.

Table continued…

Field	Description
Cons	Read-only field — displays the total number of consoles/console users which are currently affiliated to the selected conventional channel.
Conv Tgs	Read-only field — displays the number of conventional talkgroups, with at least one console affiliation, for the selected entry.
Chan Group ID	Read-only field — displays the Channel Group ID.

3.4.7.3

Console Site Conventional Viewer Detail Window: Consoles and Conventional Talkgroups at Console Sites

Consoles at Console Site

Table 11: Console Site Conventional Viewer Detail Window: Consoles at Console Site

Field	Description
Cons Alias	Read-only field — displays a unique name that refers to a specific console. **NOTICE:** For Analog Conventional, it displays the console alias but for ASTRO® 25 Conventional it displays the console user alias. For foreign consoles 2 aliases separated with a colon (":") are displayed: console alias and alias of the foreign system.
Conv Chan Num	Read-only field — displays the conventional channel ID.
Chan Group ID	Read-only field — displays the Channel Group ID.
Conv Site Alias	Read-only field — displays a unique name that refers to a specific conventional site.
Conv Site ID	Read-only field — displays a unique number that refers to a specific conventional site.
Conv Chan Zone ID	Read-only field — displays the zone ID of channel
Chan Num	Read-only field — displays the number of channels a console is affiliated to.
Conv Tgs	Read-only field — displays the number of conventional talkgroups, with at least one console affiliation, for the selected entry.
Date	Read-only field — displays the date of the last affiliation or deaffiliation of the console site to this conventional channel.

Conventional Talkgroups at Console Sites

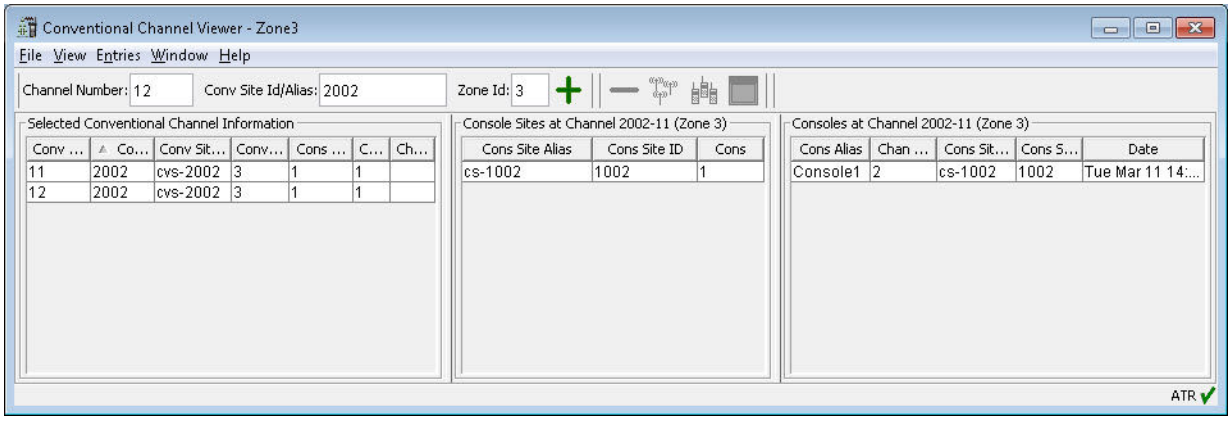
Table 12: Console Site Conventional Viewer Detail Window: Conventional Talkgroups at Console Sites

Field	Description
Group Alias	Displays a unique name that refers to a specific talkgroup.
Group ID	Displays a unique number that refers to a specific talkgroup.
Cons	Displays the number of consoles or console users in the selected console site, that are currently affiliated to a selected conventional talkgroup.

3.5
Conventional Channel Viewer

The Conventional Channel Viewer allows you to view the current affiliation status for channels. The window displays the information about channels. Each row in the table shows the channel ID, console site ID/alias, channel zone ID, the number of consoles/console users, the number of console sites and the timestamp of the last change in the affiliation status.

Figure 5: Conventional Channel Viewer Display Window



Tables in the following sections describe the different fields of the Conventional Channel Viewer Display window:

- Conventional Channel Viewer Window on page 50
- Conventional Channel Viewer Fields: Selected Conventional Channel Information on page 51
- Conventional Channel Viewer Fields: Console Sites at Channel on page 51
- Conventional Channel Viewer Fields: Consoles at Channel on page 52
- Conventional Channel Viewer Menu Bar on page 52

3.5.1
Conventional Channel Viewer Window

Text Box – Channel Number
Used for entering the channel ID.

Text Box – Conv Site ID/Alias
Used for entering the conventional site ID or alias.

Text Box– Zone ID
Used for entering channel zone ID.

Add Entry
Adds the channel entered in the text box.

Remove Entry
Removes a selected channel from the viewer window.

View a List of Console Sites
Displays information about console sites for the selected entry.

View a List of Consoles
Displays information about all available consoles/console users for the selected entry.

Detail Window
Opens the Detail Window for the selected entry.

3.5.2
Conventional Channel Viewer Fields: Selected Conventional Channel Information

Table 13: Conventional Channel Viewer Fields: Selected Conventional Channel Information

Field	Description
Conv Chan Num	Read-only field — displays the channel ID.
Conv Site ID	Read-only field — displays a unique number that refers to a specific conventional site.
Conv Site Alias	Read-only field — displays a unique name that refers to a specific site.
Conv Chan Zone ID	Read-only field — displays the zone ID of channel
Cons Sites	Read-only field — displays the total number of console sites.
Cons	Read-only field — displays the total number of consoles/console users.
Chan Group ID	Read-only field — displays the identification number of the channel group.

3.5.3
Conventional Channel Viewer Fields: Console Sites at Channel

Table 14: Conventional Channel Viewer Fields: Console Sites at Channel

Field	Description
Cons Site Alias	Read-only field — displays a unique name that refers to a specific console site. **NOTICE:** For foreign consoles 2 aliases separated with a colon (":") are displayed: console alias and alias of the foreign system.
Cons Site ID	Read-only field — displays a unique number that refers to a specific console site. **NOTICE:** For foreign consoles ID consists of console ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).
Cons	Read-only field — displays the total number of consoles/console users which are currently affiliated to the selected conventional channel.

3.5.4
Conventional Channel Viewer Fields: Consoles at Channel

Table 15: Conventional Channel Viewer Fields: Consoles at Channel

Field	Description
Cons Alias	Read-only field — displays a unique name that refers to a specific console. **NOTICE:** For Analog Conventional, it displays a console alias but for ASTRO® 25 Conventional it displays the console user alias. For foreign consoles 2 aliases separated with a colon (":") are displayed: console alias and alias of the foreign system.
Chan Num	Read-only field — displays the number of channels a console is affiliated to.
Cons Site Alias	Read-only field — displays a unique name that refers to a specific console site.
Cons Site ID	Read-only field — displays a unique number that refers to a specific console site.
Date	Read-only field — displays the date of the last affiliation or deaffiliation of the console to this conventional channel.

3.5.5
Conventional Channel Viewer Menu Bar

Table 16: Conventional Channel Viewer Menu Bar

Menu Option	Drop-down Option	Description
File	Close	Closes the currently selected window.
	Exit	Closes the application.
View	Console Site Conventional Viewer	Opens the Console Site Conventional Viewer.
	Conventional Channel Viewer	Opens the Conventional Channel Viewer.
	Radio Viewer	Opens the Radio Viewer.
	Site Viewer	Opens the Site Viewer
	Talkgroup Viewer	Opens the Talkgroup Viewer
Entries	Add Entry	Adds a new console site to the Conventional Channel Viewer.
	Remove Entry	Removes a selected console site from the Conventional Channel Viewer window.
	View Console Sites	View a list of console sites.
	View Consoles	View a list of consoles for the selected console site.
	Detail Window	Opens a Detail Window.
Window	Affiliation Display	Displays the Affiliation Display window.

Table continued…

Menu Option	Drop-down Option	Description
	Site Viewer	Displays the Site Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Console Site Conventional Viewer	Displays the Console Site Conventional Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Conventional Channel Viewer	Displays the Conventional Channel Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Radio Viewer	Displays the Radio Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Talkgroup Viewer	Displays the Talkgroup Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
Help	Help Topics	Opens the online help.
	About Affiliation Display	Opens a About Affiliation Display window that provides information about the application.

3.5.6
Conventional Channel Viewer Pop-up Menu

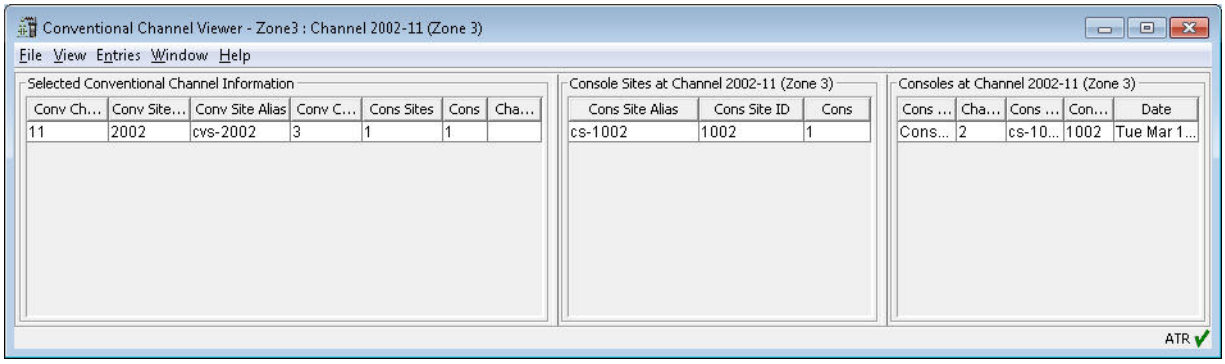
The following pop-up menu opens when you right-click any entry inside the Conventional Channel Viewer:

Table 17: Conventional Channel Viewer Pop-up Menu

Menu Option	Description
Remove Entry	Removes a selected entry from the Conventional Channel Viewer window.
View Console Sites	Displays information for all available console sites.
View Consoles	Displays information for all available consoles/console users.
Detail Window	Opens the Detail Window, showing the radios and talkgroups affiliated to a selected site.

3.5.7
Conventional Channel Viewer Detail Window

Figure 6: Conventional Channel Viewer Detail Window



Tables in the following sections describe the different areas of the Conventional Channel Viewer Detail Window:

- Conventional Channel Viewer Detail Window: Selected Conventional Channel Information on page 54
- Conventional Channel Viewer Detail Window: Console Sites at Channel on page 55
- Conventional Channel Viewer Detail Window: Consoles at Channel on page 55

3.5.7.1
Conventional Channel Viewer Detail Window: Selected Conventional Channel Information

Table 18: Conventional Channel Viewer Detail Window: Selected Conventional Channel Information

Field	Description
Conv Chan Num	Read-only field — displays the channel ID.
Conv Site ID	Read-only field — displays a unique number that refers to a specific conventional site.
Conv Site Alias	Read-only field — displays a unique name that refers to a specific site.
Conv Chan Zone ID	Read-only field — displays the zone ID of channel
Cons Sites	Read-only field — displays the total number of console sites.
Cons	Read-only field — displays the total number of consoles/console users.
Chan Group ID	Read-only field — displays the identification number of the channel group.

3.5.7.2
Conventional Channel Viewer Detail Window: Console Sites at Channel

Table 19: Conventional Channel Viewer Detail Window: Console Sites at Channel

Field	Description
Cons Site Alias	Read-only field — displays a unique name that refers to a specific console site. **NOTICE:** For foreign consoles 2 aliases separated with a colon (":") are displayed: console alias and alias of the foreign system.
Cons Site ID	Read-only field — displays a unique number that refers to a specific console site. **NOTICE:** For foreign consoles ID consists of console ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).
Cons	Read-only field — displays the total number of consoles/console users which are currently affiliated to the selected console site.

3.5.7.3
Conventional Channel Viewer Detail Window: Consoles at Channel

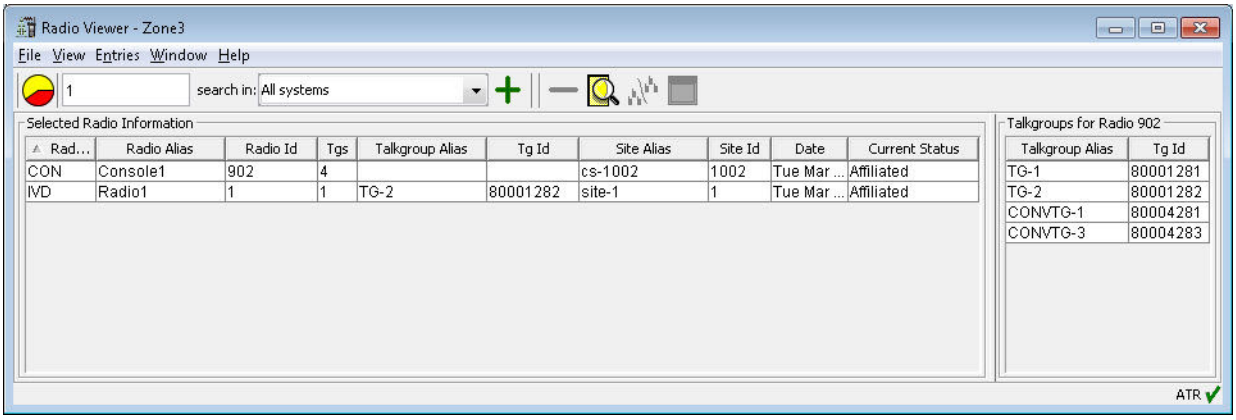
Table 20: Conventional Channel Viewer Detail Window: Consoles at Channel

Field	Description
Cons Alias	Read-only field — displays a unique name that refers to a specific console. **NOTICE:** For Analog Conventional, it displays a console alias but for ASTRO® 25 Conventional it displays console user alias. For foreign consoles 2 aliases separated with a colon (":") are displayed: console alias and alias of the foreign system.
Chan Num	Read-only field — displays the number of channels a console is affiliated to.
Cons Site Alias	Read-only field — displays a unique name that refers to a specific console site.
Cons Site ID	Read-only field — displays a unique number that refers to a specific console site.
Date	Read-only field — displays the date of the last affiliation or deaffiliation of the console to this conventional channel.

3.6
Radio Viewer

The Radio Viewer displays current affiliation information for one or more radios.

Figure 7: Radio Viewer Display Window



Tables in the following sections describe the different areas of the Radio Viewer display window:

- Radio Viewer Toolbar on page 56
- Radio Viewer Fields: Selected Radio Information on page 57
- Radio Viewer Fields: Talkgroups for Radio on page 58
- Radio Viewer Menu Bar on page 58
- Radio Viewer Pop-up Menu on page 59
- Radio Locator Window on page 60
- Radio Viewer Detail Window on page 62

3.6.1
Radio Viewer Toolbar

Graph

The pie chart shows the approximate percentage of all currently affiliated radios versus the number of radios stored in the zone database. The area in yellow shows the percentage of radios with known affiliation status; the area in red shows the percentage of radios with unknown affiliation status.

Text Box

Used for entering radio IDs and aliases in the viewer.

Combo Box

Used for choosing the system. Choose the system with the radio you want to add.

Add Entry

Adds the radio ID or alias entered in the text box.

Remove Entry

Removes a selected radio ID or alias from the viewer window.

. Locate Radio

Opens the Radio Locator window, displaying affiliation information for a selected radio.

View Talkgroups

When you click it, the Talkgroup for Radio section fills with the list of talkgroups for the selected radio. If the selected entry/radio is affiliated only to the one talkgroup, this icon is not active.

Detail Window
Opens the Detail Window for a selected radio.

3.6.2
Radio Viewer Fields: Selected Radio Information

Table 21: Radio Viewer Fields: Selected Radio Information

Field	Description
Radio Type	Read-only field — displays the type of the radio which is affiliated in the system.
Radio Alias	Read-only field — displays a unique name that refers to a specific radio. **NOTICE:** For foreign radios 2 aliases separated with a colon (":") are displayed: radio alias and alias of the foreign system. For instance, a radio RD1 from the foreign system OHIO displays as "RD1:OHIO".
Radio Id	Read-only field — displays a unique number that refers to a specific radio. **NOTICE:** For foreign radios ID consists of radio ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits). For instance, a radio 1281 from foreign system 01AF6-002 displays as "1281:SYS:01AF6-002".
Tgs	Read-only field — displays the number of the talkgroup to which the radio is currently affiliated.
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (":") are displayed: talkgroup alias and alias of the foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups ID consists of talkgroup ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).
Site Alias	Read-only field — displays a unique name that refers to a specific site.
Site Id	Read-only field — displays a unique number that refers to a specific site.
Date	Read-only field — displays the date of the last affiliation or deaffiliation by the radio.
Current Status	Read-only field — displays the last known status of the radio.

TDMA capable radios that are affiliated to non-GTR 8000/GCP 8000 sites appear to the affiliation display application as FDMA-only capable radios regardless of the true radio TDMA capability. This means that TDMA capable radios at non-GTR/GCP sites do not appear in bold text despite the fact that these radios are actually TDMA capable. This operation is because only GTR/GCP site equipment understands the TDMA capability flag in the radio registration messages.

The dark blue, bold font used in the Radio Alias and Radio ID panes indicates the TDMA/FDMA capable radio.

With the dynamic transcoding disabled in your system, the dark blue, bold font with white background used in the Talkgroup ID and Talkgroup Alias columns indicates that the talkgroup operates as TDMA.

FDMA is listed as black text with white background. With the dynamic transcoding enabled, there is no visual difference between TDMA and FDMA operated talkgroups.

3.6.3
Radio Viewer Fields: Talkgroups for Radio

This pane and **View Talkgroups** button are active only for console sites/radios which are affiliated to more than one talkgroup. If the console site or a radio is affiliated only to one talkgroup, this field is not active and talkgroup information is displayed in the **Selected Radio Information** pane.

Table 22: Radio Viewer Fields: Talkgroups for Radio

Field	Description
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (":") are displayed: talkgroup alias and alias of foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talk-group. **NOTICE:** For foreign talkgroups ID consists of talkgroup ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).

3.6.4
Radio Viewer Menu Bar

Table 23: Radio Viewer Menu Bar

Menu Option	Drop-down Option	Description
File	Close	Closes the currently selected window.
	Exit	Closes the application.
View	Console Site Convention-al Viewer	Opens the Console Site Conventional Viewer.
	Conventional Channel Viewer	Opens the Conventional Channel Viewer.
	Radio Viewer	Opens the Radio Viewer.
	Site Viewer	Opens the Site Viewer.
	Talkgroup Viewer	Opens the Talkgroup Viewer.
Entries	Add Entry	Adds a new radio to the Radio Viewer.
	Remove Entry	Removes a selected radio from the Radio Viewer window.
	Locate Radio	Displays information for selected radios.
	View Talkgroups	Displays information for talkgroups to which se-lected radios are added.
	Detail Window	Opens a Detail Window.

Table continued…

Menu Option	Drop-down Option	Description
Window	Affiliation Display	Displays the Affiliation Display window.
	Site Viewer	Displays the Site Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Console Site Conventional Viewer	Displays the Console Site Conventional Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Conventional Channel Viewer	Displays the Conventional Channel Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Radio Viewer	Displays the Radio Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Talkgroup Viewer	Displays the Talkgroup Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
Help	Help Topics	Opens the online help.
	About Affiliation Display	Opens a About Affiliation Display window that provides information about the application.

3.6.5
Radio Viewer Pop-up Menu

The following pop-up menu opens when you right-click the entry in the Selected Radio Information list of the Radio Viewer:

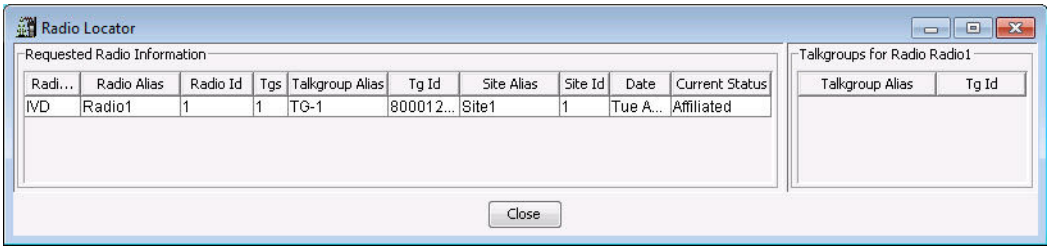
Table 24: Radio Viewer Pop-up Menu

Menu Option	Description
Remove Entry	Removes a selected entry from the Radio Viewer window.
View Talkgroups	Displays information for all available talkgroups for the selected radio.
Detail Window	Opens the Detail Window, which shows information about talkgroups and site in which a radio is affiliated.

3.6.6
Radio Locator Window

The Radio Locator Window displays the site and talkgroup affiliation information for a selected radio.

Figure 8: Radio Locator Display Window



Tables in the following sections describe the different fields of the Radio Locator window:

- Radio Locator Window Fields: Requested Radio Information on page 60
- Radio Locator Detail Window Fields: Talkgroups for Radio on page 61

3.6.6.1
Radio Locator Window Fields: Requested Radio Information

TDMA capable radios that are affiliated to non-GTR 8000/GCP 8000 sites appear to the affiliation display application as FDMA-only capable radios regardless of the true radio TDMA capability. This means that TDMA capable radios at non-GTR/GCP sites will never appear in bold text despite the fact that these radios are actually TDMA capable. This operation is only because GTR/GCP site equipment understands the TDMA capability flag in the radio registration messages.

The dark blue, bold font used in the Radio Alias and Radio ID panes indicates the TDMA/FDMA capable radio.

With the dynamic transcoding disabled in your system, the dark blue, bold font with white background used in the Talkgroup ID and Talkgroup Alias columns indicates that the talkgroup operates as TDMA. FDMA is listed as black text with white background. With the dynamic transcoding enabled, there is no visual difference between TDMA and FDMA operated talkgroups.

Table 25: Radio Locator Window Fields: Requested Radio Information

Field	Description
Radio Type	Read-only field — displays the type of the radio.
Radio Alias	Read-only field — displays a unique name that refers to a specific radio. **NOTICE:** For foreign radios 2 aliases separated with a colon (":") are displayed: radio alias and alias of the foreign system. For instance, a radio RD1 from the foreign system OHIO displays as "RD1:OHIO".
Radio Id	Read-only field — displays a unique number that refers to a specific radio. **NOTICE:** For foreign radios ID consists of radio ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits). For instance, a radio 1281 from foreign system 01AF6-002 displays as "1281:SYS:01AF6-002".
Tgs	Read-only field — displays the number of talkgroups for the selected entry.

Table continued…

Field	Description
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (":") are displayed: talkgroup alias and alias of foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups ID consists of talkgroup ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).
Site Alias	Read-only field — displays a unique name that refers to a specific site.
Site Id	Read-only field — displays a unique number that refers to a specific site.
Date	Read-only field — displays the date of the last affiliation or deaffiliation by the radio.
Current Status	Read-only field — displays the last known status of the radio.
Close Button	Closes the Radio Locator window.

3.6.6.2 Radio Locator Detail Window Fields: Talkgroups for Radio

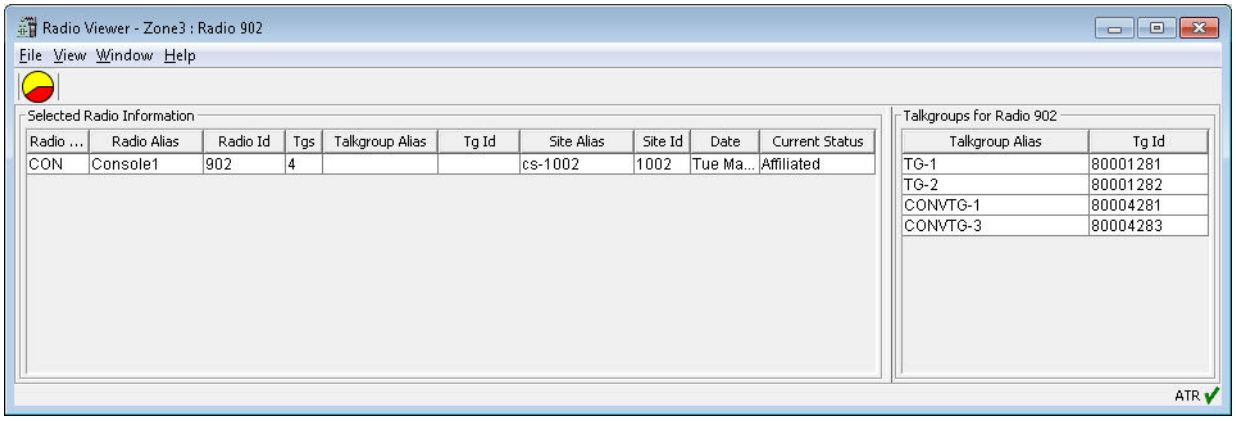
This pane is active only for console sites/radios which are affiliated to more than one talkgroup. If the console site or radio is affiliated only to one talkgroup, this field is not active and talkgroup information is displayed in the **Requested Radio Information** pane.

Table 26: Radio Locator Detail Window Fields: Talkgroups for Radio

Field	Description
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (":") are displayed: talkgroup alias and alias of foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups ID consists of talkgroup ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).

3.6.7
Radio Viewer Detail Window

Figure 9: Radio Viewer Detail Window



Tables in the following sections describe the different fields of the Radio Viewer Detail Window:

- Radio Viewer Detail Window Fields: Selected Radio Information on page 62
- Radio Viewer Detail Window Fields: Talkgroups for Radio on page 63

3.6.7.1
Radio Viewer Detail Window Fields: Selected Radio Information

TDMA capable radios that are affiliated to non-GTR8000/GCP8000 sites appear to the affiliation display application as FDMA-only capable radios regardless of the true radio TDMA capability. This means that TDMA capable radios at non-GTR/GCP sites never appear in bold text despite the fact that these radios are actually TDMA capable. This operation is only because GTR/GCP site equipment understands the TDMA capability flag in the radio registration messages.

The dark blue, bold font used in the Radio Alias and Radio ID panes indicates the TDMA/FDMA capable radio.

With the dynamic transcoding disabled in your system, the dark blue, bold font with white background used in the Talkgroup ID and Talkgroup Alias columns indicates that the talkgroup operates as TDMA. FDMA is listed as black text with white background. With the dynamic transcoding enabled, there is no visual difference between TDMA and FDMA operated talkgroups.

Table 27: Radio Viewer Detail Window Fields: Selected Radio Information

Field	Description
Radio Type	Read-only field — displays the type of the radio.
Radio Alias	Read-only field — displays a unique name that refers to a specific radio. **NOTICE:** For foreign radios 2 aliases separated with a colon (":") are displayed: radio alias and alias of the foreign system. For instance, a radio RD1 from the foreign system OHIO displays as "RD1:OHIO".
Radio Id	Read-only field — displays a unique number that refers to a specific radio.

Table continued…

Field	Description
	NOTICE: For foreign radios ID consists of radio ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexa-decimal digits). For instance, a radio 1281 from foreign system 01AF6-002 displays as "1281:SYS:01AF6-002".
Tgs	Read-only field — displays the number of talkgroups for the selected entry.
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (":") are displayed: talkgroup alias and alias of the foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talk-group. **NOTICE:** For foreign talkgroups ID consists of talkgroup ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).
Site Alias	Read-only field — displays a unique name that refers to a specific site.
Site Id	Read-only field — displays a unique number that refers to a specific site.
Date	Read-only field — displays the date of the last affiliation or deaffiliation by the radio.
Current Status	Read-only field — displays the last known status of the radio.

3.6.7.2
Radio Viewer Detail Window Fields: Talkgroups for Radio

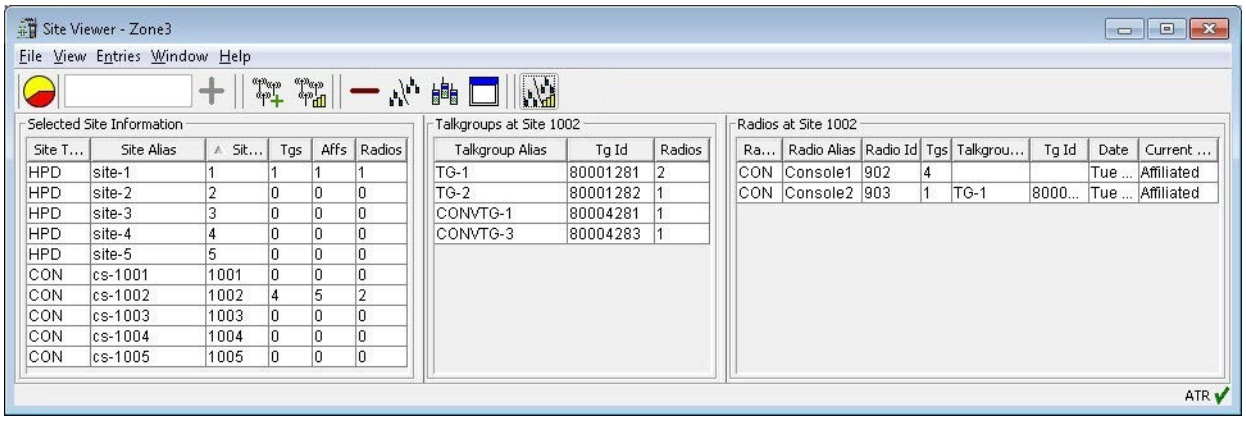
Table 28: Radio Viewer Detail Window Fields: Talkgroups for Radio

Field	Description
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (":") are displayed: talkgroup alias and alias of the foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talk-group. **NOTICE:** For foreign talkgroups ID consists of talkgroup ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).

3.7
Site Viewer

The Site Viewer displays current affiliation information for one or more sites.

Figure 10: Site Viewer Display Window



Tables in the following sections describe the different areas of the Site Viewer display window:

- Site Viewer Toolbar on page 64
- Site Viewer Fields: Selected Site Information on page 65
- Site Viewer Fields: Talkgroups at Site on page 65
- Site Viewer Fields: Radios at Site on page 66
- Site Viewer Menu Bar on page 67

3.7.1
Site Viewer Toolbar

Graph
The pie chart shows the approximate percentage of all currently affiliated radios versus the number of radios stored in the zone database. The area in yellow shows the percentage of radios with known affiliation status; the area in red shows the percentage of radios with unknown affiliation status.

Text Box
Used for entering site IDs and aliases in the viewer.

Add Entry
Adds the site ID or alias entered in the text box.

Request to have all available Sites displayed
Displays information for all available sites in the zone.

Graph Sites
Opens the graph that shows a bar graph of the talkgroups and radios at a selected site.

Remove Entry
Removes a selected site ID or alias from the viewer window.

View Talkgroups
Displays information for all available talkgroups at a selected site.

View Radios
Displays information for all available radios at a selected site.

Detail Window
Opens the Detail Window, showing the radios and talkgroups affiliated to a selected site.

Graph Talkgroups
Opens the graph window, showing a bar graph of the radios affiliated to one or more talkgroups at a selected site.

This button is active when **View Talkgroups** from the Site Viewer **Entries** menu has been selected and a list of Talkgroups appeared in the Site Viewer Talkgroups list.

3.7.2
Site Viewer Fields: Selected Site Information

Table 29: Site Viewer Fields: Selected Site Information

Field	Description
Site Type	Read-only field — displays site type information.
Site Alias	Read-only field — displays a unique name that refers to a specific site.
Site Id	Read-only field — displays a unique number that refers to a specific site.
Tgs	Read-only field — displays the number of talkgroups affiliated with the selected site.
Affs	Read only field — displays the number of all affiliations in the selected site.
Radios	Read-only field — displays the number of radios affiliated with the selected site.

3.7.3
Site Viewer Fields: Talkgroups at Site

Table 30: Site Viewer Fields: Talkgroups at Site

Field	Description
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (":") are displayed: talkgroup alias and alias of the foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups ID consists of talkgroup ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).
Radios	Read-only field — displays the number of radios affiliated in the selected talkgroup.

3.7.4
Site Viewer Fields: Radios at Site

TDMA capable radios that are affiliated to non-GTR 8000/GCP 8000 sites appear to the affiliation display application as FDMA-only capable radios regardless of the true radio TDMA capability. This means that TDMA capable radios at non-GTR/GCP sites never appear in bold text despite the fact that these radios are actually TDMA capable. This operation is only because GTR/GCP site equipment understands the TDMA capability flag in the radio registration messages.

The dark blue, bold font used in the Radio Alias and Radio ID panes indicates the TDMA/FDMA capable radio.

With the dynamic transcoding disabled in your system, the dark blue, bold font with white background used in the Talkgroup ID and Talkgroup Alias columns indicates that the talkgroup operates as TDMA. FDMA is listed as black text with white background. With the dynamic transcoding enabled, there is no visual difference between TDMA and FDMA operated talkgroups.

Table 31: Site Viewer Fields: Radios at Site

Field	Description
Radio Type	Read-only field — displays the type of the radio.
Radio Alias	Read-only field — displays a unique name that refers to a specific radio. **NOTICE:** For foreign radios 2 aliases separated with a colon (“:”) are displayed: radio alias and alias of the foreign system. For instance, a radio RD1 from the foreign system OHIO displays as “RD1:OHIO”.
Radio Id	Read-only field — displays a unique number that refers to a specific radio. **NOTICE:** For foreign radios ID consists of radio ID, “:SYS:” prefix, WACN ID (5 hexadecimal digits), dash (“-”), and System ID (3 hexadecimal digits). For instance, a radio 1281 from foreign system 01AF6-002 displays as “1281:SYS:01AF6-002”.
Tgs	Read-only field — displays a number of talkgroups in which the radio is affiliated.
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (“:”) are displayed: talkgroup alias and alias of foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups ID consists of talkgroup ID, “:SYS:” prefix, WACN ID (5 hexadecimal digits), dash (“-”), and System ID (3 hexadecimal digits).
Date	Read-only field — displays the date of the last affiliation or deaffiliation by the radio.
Current Status	Read-only field — displays the last known status of the radio.

3.7.5
Site Viewer Menu Bar

Table 32: Site Viewer Menu Bar

Menu Option	Drop-down Option	Description
File	Close	Closes the currently selected window.
	Exit	Closes the application.
View	Console Site Conventional Viewer	Opens the Console Site Conventional Viewer.
	Conventional Channel Viewer	Opens the Conventional Channel Viewer.
	Radio Viewer	Opens the Radio Viewer.
	Site Viewer	Opens the Site Viewer.
	Talkgroup Viewer	Opens the Talkgroup Viewer.
Entries	Add Entry	Adds the site ID or alias entered in the text box.
	All Sites	Displays information for all available sites in the zone.
	Graph Sites	Opens the graph window, showing a bar graph of the talkgroups and radios at a selected site.
	Remove Entry	Removes a site ID or alias from the viewer window.
	View Talkgroups	Displays information for all available talkgroups at a selected site.
	View Radios	Displays information for all available radios at a selected site.
	Detail Window	Opens the Detail Window, showing the radios and talkgroups affiliated to a selected site.
	Graph Talkgroups	Opens the graph window, showing a bar graph of the radios affiliated to one or more talkgroups at a selected site.
Window	Site Viewer	Displays the Site Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Affiliation Display	Displays the Affiliation Display window.
	Console Site Conventional Viewer	Displays the Console Site Conventional Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.

Table continued…

Menu Option	Drop-down Option	Description
	Conventional Channel Viewer	Displays the Conventional Channel Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Radio Viewer	Displays the Radio Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Talkgroup Viewer	Displays the Talkgroup Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
Help	Help Topics	Opens the online help.
	About Affiliation Display	Opens an About Affiliation Display window, that provides information about the application.

3.7.6
Site Viewer Pop-up Menu

The following pop-up menu opens when you right-click any entry inside the Site Viewer:

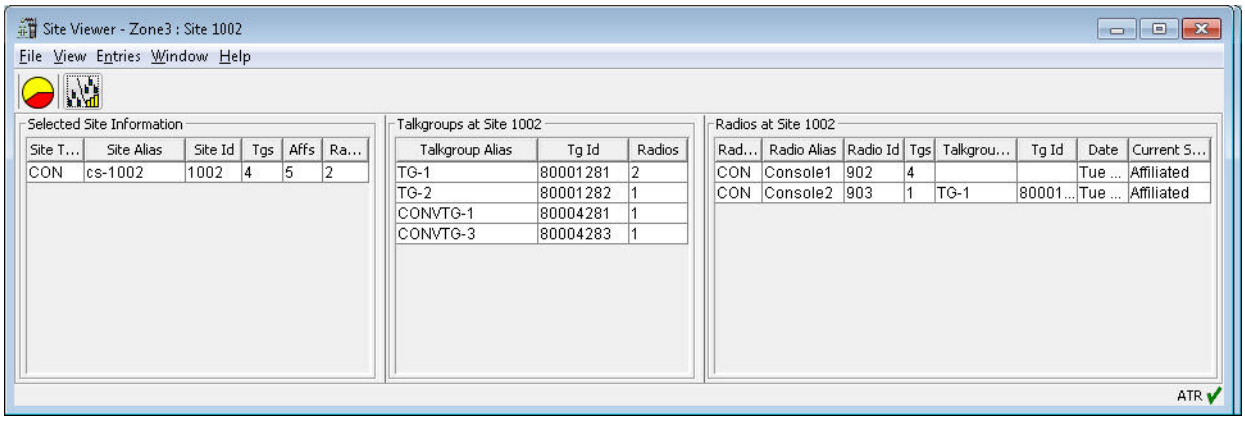
Table 33: Site Viewer Pop-up Menu

Menu Option	Description
Remove Entry	Removes a selected entry from the Site Viewer window.
View Talkgroups	Displays information for all available talkgroups at a selected site.
View Radios	Displays information for all available radios at a selected site.
Detail Window	Opens the Detail Window, showing the radios and talkgroups affiliated to a selected site.

3.7.7
Site Viewer Detail Window

The Detail Window displays talkgroup and radio affiliation information for a selected site.

Figure 11: Site Viewer Detail Window



Tables in the following sections describe the different fields of the Site Viewer Detail Window:

- Talkgroup Viewer Fields: Selected Site Information on page 69
- Site Viewer Detail Window Fields: Talkgroups at Site on page 69
- Site Viewer Detail Window Fields: Radios at Site on page 70

3.7.7.1 Talkgroup Viewer Fields: Selected Site Information

Table 34: Talkgroup Viewer Fields: Selected Site Information

Field	Description
Site Type	Read-only field — displays the site type information.
Site Alias	Read-only field — displays a unique name that refers to a specific site.
Site Id	Read-only field — displays a unique number that refers to a specific site.
Tgs	Read-only field — displays the number of talkgroups affiliated with the selected site.
Affs	Read only field — displays the number of all affiliations in the selected site.
Radios	Read-only field — displays the number of radios affiliated to the selected talkgroup.

3.7.7.2 Site Viewer Detail Window Fields: Talkgroups at Site

Table 35: Site Viewer Detail Window Fields: Talkgroups at Site

Field	Description
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (":") are displayed: talkgroup alias and alias of the foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talkgroup.

Table continued…

Field	Description
	NOTICE: For foreign talkgroups ID consists of talkgroup ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).
Radios	Read-only field — displays the number of radios affiliated to a particular talkgroup.

3.7.7.3
Site Viewer Detail Window Fields: Radios at Site

TDMA capable radios that are affiliated to non-GTR 8000/GCP 8000 sites appear to the affiliation display application as FDMA-only capable radios regardless of the true radio TDMA capability. This means that TDMA capable radios at non-GTR/GCP sites never appear in bold text despite the fact that these radios are actually TDMA capable. This operation is only because GTR/GCP site equipment understands the TDMA capability flag in the radio registration messages.

The dark blue, bold font used in the Radio Alias and Radio ID panes indicates the TDMA/FDMA capable radio.

With the dynamic transcoding disabled in your system, the dark blue, bold font with white background used in the Talkgroup ID and Talkgroup Alias columns indicates that the talkgroup operates as TDMA. FDMA is listed as black text with white background. With the dynamic transcoding enabled, there is no visual difference between TDMA and FDMA operated talkgroups.

Table 36: Site Viewer Detail Window Fields: Radios at Site

Field	Description
Radio Type	Read-only field — displays the type of the radio.
Radio Alias	Read-only field — displays a unique name that refers to a specific radio in the system. **NOTICE:** For foreign radios 2 aliases separated with a colon (":") are displayed: radio alias and alias of the foreign system. For instance, a radio RD1 from the foreign system OHIO displays as "RD1:OHIO".
Radio Id	Read-only field — displays a unique number that refers to a specific radio. **NOTICE:** For foreign radios ID consists of radio ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits). For instance, a radio 1281 from foreign system 01AF6-002 displays as "1281:SYS:01AF6-002".
Tgs	Read-only field — displays a number of talkgroups in which the radio is affiliated.
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (":") are displayed: talkgroup alias and alias of foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talkgroup.

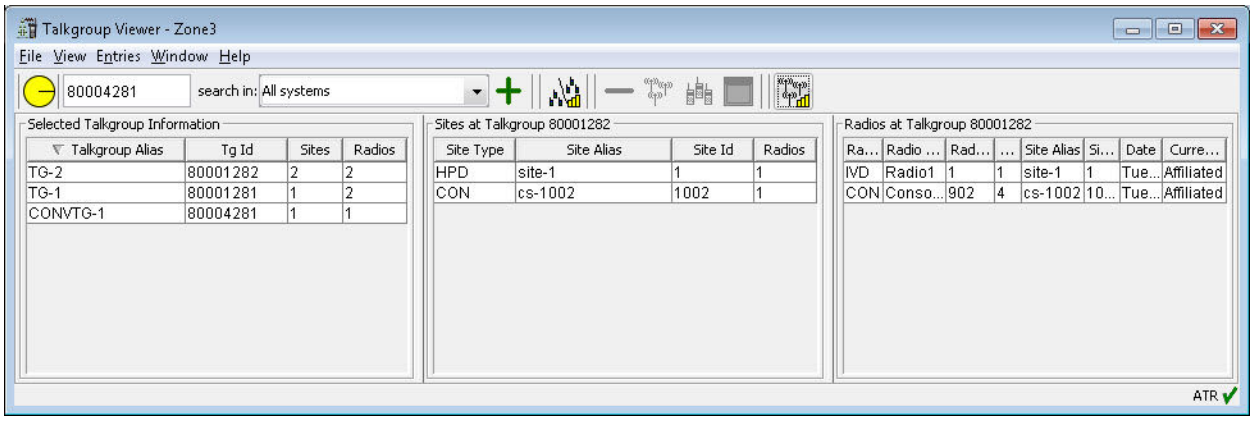
Table continued…

Field	Description
	NOTICE: For foreign talkgroups ID consists of talkgroup ID, ":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).
Date	Read-only field — displays the date of the last affiliation or deaffiliation by the radio.
Current Status	Read-only field — displays the last known status of the radio.

3.8 Talkgroup Viewer

The Talkgroup Viewer displays current affiliation information for one or more talkgroups.

Figure 12: Talkgroup Viewer Display Window



Tables in the following sections describe the different areas of the Talkgroup Viewer display window:

- Talkgroup Viewer Toolbar on page 71
- Talkgroup Viewer Fields: Selected Talkgroup Information on page 72
- Talkgroup Viewer Fields: Sites at Talkgroup on page 73
- Talkgroup Viewer Fields: Radios at Talkgroup on page 73
- Talkgroup Viewer Menu Bar on page 74

3.8.1 Talkgroup Viewer Toolbar

Graph
Pie chart that shows the approximate percentage of all currently affiliated radios versus the number of radios stored in the zone database. The area in yellow shows the percentage of radios with known affiliation status; the area in red shows the percentage of radios with unknown affiliation status.

Text Box
Used for entering talkgroup IDs and aliases in the viewer.

Combo Box
Used for choosing the system. Choose the system with the radio you want to add.

Add Entry
Adds the talkgroup ID or alias entered in the text box.

Graph Talkgroups
Opens the graph window, showing a bar graph of the radios and sites in a zone that are affiliated to each selected talkgroup.

Remove Entry
Removes a selected talkgroup ID or alias from the viewer window.

View Sites
Displays information for all available sites in the zone associated with a selected talkgroup.

View Radios
Displays information for all available radios affiliated to a selected talkgroup.

Detail Window
Opens the Detail Window , showing information for radios and sites affiliated to a selected talkgroup.

Graph Sites
Opens the graph window, showing a bar graph of the radios at each site in a zone affiliated to a selected talkgroup.

3.8.2
Talkgroup Viewer Fields: Selected Talkgroup Information

TDMA capable radios that are affiliated to non-GTR 8000/GCP 8000 sites appear to the affiliation display application as FDMA-only capable radios regardless of the true radio TDMA capability. This means that TDMA capable radios at non-GTR/GCP sites never appear in bold text despite the fact that these radios are actually TDMA capable. This operation is only because GTR/GCP site equipment understands the TDMA capability flag in the radio registration messages.

The dark blue, bold font used in the Radio Alias and Radio ID panes indicates the TDMA/FDMA capable radio.

With the dynamic transcoding disabled in your system, the dark blue, bold font with white background used in the Talkgroup ID and Talkgroup Alias columns indicates that the talkgroup operates as TDMA. FDMA is listed as black text with white background. With the dynamic transcoding enabled, there is no visual difference between TDMA and FDMA operated talkgroups.

Table 37: Talkgroup Viewer Fields: Selected Talkgroup Information

Field	Description
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (":") are displayed: talkgroup alias and alias of foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talk-group.

Table continued…

Field	Description
	NOTICE: For foreign talkgroups ID consists of talkgroup ID,“:SYS:” prefix, WACN ID (5 hexadecimal digits), dash (“-”), and System ID (3 hexadecimal digits).
Sites	Read-only field — displays the number of sites affiliated to the selected talkgroup.
Radios	Read-only field — displays the number of radios affiliated to the selected talkgroup.

3.8.3
Talkgroup Viewer Fields: Sites at Talkgroup

Table 38: Talkgroup Viewer Fields: Sites at Talkgroup

Field	Description
Site Type	Read-only field — displays the site type information.
Site Alias	Read-only field — displays a unique name that refers to a specific site.
Site Id	Read-only field — displays a unique number that refers to a specific site.
Radios	Read-only field — displays the number of radios affiliated to the selected talkgroup.

3.8.4
Talkgroup Viewer Fields: Radios at Talkgroup

Table 39: Talkgroup Viewer Fields: Radios at Talkgroup

Field	Description
Radio Type	Read-only field — displays the type of the radio.
Radio Alias	Read-only field — displays a unique name that refers to a specific radio in the system. **NOTICE:** For foreign radios 2 aliases separated with a colon (“:”) are displayed: radio alias and alias of the foreign system. For instance, a radio RD1 from the foreign system OHIO displays as “RD1:OHIO”.
Radio Id	Read-only field — displays a unique number that refers to a specific radio. **NOTICE:** For foreign radios ID consists of radio ID, “:SYS:” prefix, WACN ID (5 hexadecimal digits), dash (“-”), and System ID (3 hexadecimal digits). For instance, a radio 1281 from foreign system 01AF6-002 is as “1281:SYS:01AF6-002”.
Tgs	Read-only field — displays a number of talkgroups in which the radio is affiliated.
Site Alias	Read-only field — displays a unique name that refers to a specific site.
Site Id	Read-only field — displays a unique number that refers to a specific site.
Date	Read-only field — displays the date of the last affiliation or deaffiliation by the radio.

Table continued…

Field	Description
Current Status	Read-only field — displays the last known status of the radio.

3.8.5
Talkgroup Viewer Menu Bar

Table 40: Talkgroup Viewer Menu Bar

Menu Option	Drop-down Option	Description
File	Close	Closes the currently selected window.
	Exit	Closes the application.
View	Console Site Conventional Viewer	Opens the Console Site Conventional Viewer.
	Conventional Channel Viewer	Opens the Conventional Channel Viewer.
	Radio Viewer	Opens the Radio Viewer.
	Site Viewer	Opens the Site Viewer.
	Talkgroup Viewer	Opens the Talkgroup Viewer.
Entries	Add Entry	Adds the talkgroup ID or alias entered in the text box.
	Graph Talkgroups	Opens the graph window, showing a bar graph of the radios and sites in a zone that are affiliated to each selected talkgroup.
	Remove Entry	Removes a selected talkgroup ID or alias from the viewer window.
	View Sites	Displays information for all available sites in the zone associated with a selected talkgroup.
	View Radios	Displays information for all available radios affiliated to a selected talkgroup.
	Detail Window	Opens the Detail Window , showing information for radios and sites affiliated to a selected talkgroup.
	Graph Sites	Opens the graph window, showing a bar graph of the radios at each site in a zone affiliated to a selected talkgroup.
Window	Affiliation Display	Displays the Affiliation Display window.
	Console Site Conventional Viewer	Displays the Console Site Conventional Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Conventional Channel Viewer	Displays the Conventional Channel Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To

Table continued…

Menu Option	Drop-down Option	Description
		open a window, use the View menu from the Affiliation Display.
	Site Viewer	Displays the Site Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Talkgroup Viewer	Displays the Talkgroup Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
	Radio Viewer	Displays the Radio Viewer, if it is open. To use this function, the window associated with this option must already be open in the Affiliation Display. To open a window, use the View menu from the Affiliation Display.
Help	Help Topics	Opens the online help.
	About Affiliation Display	Opens a About Affiliation Display window that provides information about the application.

3.8.6
Talkgroup Viewer Pop-up Menu

The following pop-up menu opens when you right-click inside the Talkgroup Viewer:

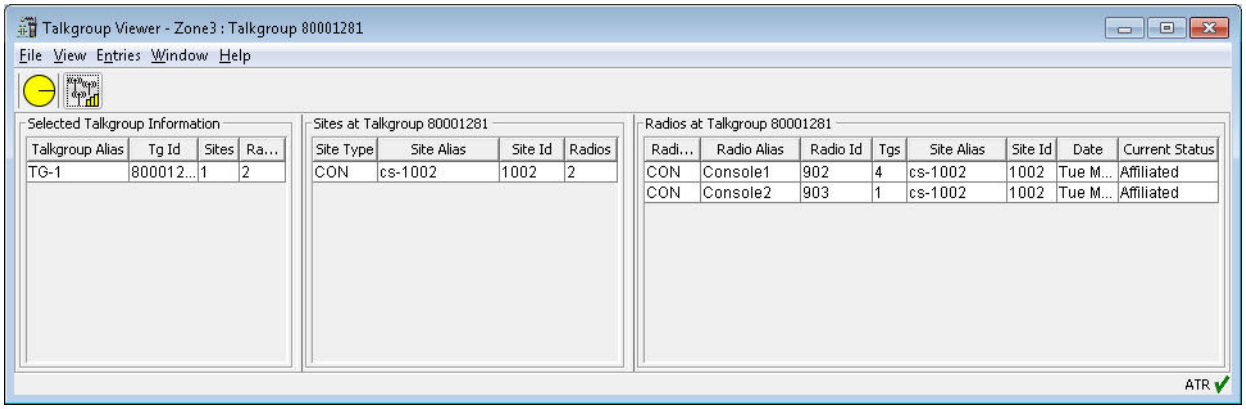
Table 41: Talkgroup Viewer Pop-up Menu

Menu Option	Description
Remove Entry	Removes a selected entry from the Talkgroup Viewer window.
View Sites	Displays information for all sites in the zone associated with a selected talkgroup.
View Radios	Displays information for all available radios affiliated to a selected talkgroup.
Detail Window	Opens the Detail Window, showing the radios and sites affiliated to a selected talkgroup.

3.8.7
Talkgroup Viewer Detail Window

The Detail Window displays talkgroup and radio affiliation information for a selected talkgroup.

Figure 13: Talkgroup Viewer Detail Window



Tables in the following sections describe different areas of the Talkgroup Viewer Detail Window:

- Selected Talkgroup Information on page 76
- Talkgroup Viewer Detail Window Fields: Sites at Talkgroup on page 77
- Talkgroup Viewer Detail Window Fields: Radios at Talkgroup on page 77

3.8.7.1 Selected Talkgroup Information

TDMA capable radios that are affiliated to non-GTR 8000/GCP 8000 sites appear to the affiliation display application as FDMA-only capable radios regardless of the true radio TDMA capability. This means that TDMA capable radios at non-GTR/GCP sites never appear in bold text despite the fact that these radios are actually TDMA capable. This operation is only because GTR/GCP site equipment understands the TDMA capability flag in the radio registration messages.

The dark blue, bold font used in the Radio Alias and Radio ID panes indicates the TDMA/FDMA capable radio.

With the dynamic transcoding disabled in your system, the dark blue, bold font with white background used in the Talkgroup ID and Talkgroup Alias columns indicates that the talkgroup operates as TDMA. FDMA is listed as black text with white background. With the dynamic transcoding enabled, there is no visual difference between TDMA and FDMA operated talkgroups.

Table 42: Talkgroup Viewer Detail Window Fields: Selected Talkgroup Information

Field	Description
Talkgroup Alias	Read-only field — displays a unique name that refers to a specific talkgroup. **NOTICE:** For foreign talkgroups 2 aliases separated with a colon (":") are displayed: talkgroup alias and alias of the foreign system.
Tg Id	Read-only field — displays a unique number that refers to a specific talk-group. **NOTICE:** For foreign talkgroups ID consists of talkgroup ID,":SYS:" prefix, WACN ID (5 hexadecimal digits), dash ("-"), and System ID (3 hexadecimal digits).
Sites	Read-only field — displays the number of sites affiliated to the selected talk-group.
Radios	Read-only field — displays the number of radios affiliated to the selected talk-group.

3.8.7.2
Talkgroup Viewer Detail Window Fields: Sites at Talkgroup

Table 43: Talkgroup Viewer Detail Window Fields: Sites at Talkgroup

Field	Description
Site Type	Read-only field — displays the site type.
Site Alias	Read-only field — displays a unique name that refers to a specific site.
Site Id	Read-only field — displays a unique number that refers to a specific site.
Radios	Read-only field — displays the number of radios affiliated to a particular site.

3.8.7.3
Talkgroup Viewer Detail Window Fields: Radios at Talkgroup

Table 44: Talkgroup Viewer Detail Window Fields: Radios at Talkgroup

Field	Description
Radio Type	Read-only field — displays the type of the radio.
Radio Alias	Read-only field — displays a unique name that refers to a specific radio in the system. **NOTICE:** For foreign radios 2 aliases separated with a colon (“:”) are displayed: radio alias and alias of the foreign system. For instance, a radio RD1 from the foreign system OHIO displays as “RD1:OHIO”.
Radio Id	Read-only field — displays a unique number that refers to a specific radio. **NOTICE:** For foreign radios ID consists of radio ID, “:SYS:” prefix, WACN ID (5 hexadecimal digits), dash (“-”), and System ID (3 hexadecimal digits). For instance, a radio 1281 from the foreign system 01AF6-002 is as “1281:SYS:01AF6-002”.
Tgs	Read-only field — displays a number of talkgroups to which the radio is affiliated.
Site Alias	Read-only field — displays a unique name that refers to a specific site.
Site Id	Read-only field — displays a unique number that refers to a specific site.
Date	Read-only field — displays the date of the last affiliation or deaffiliation by the radio.
Current Status	Read-only field — displays the last known status of the radio.

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