# Table of Contents

**Chapter 1: About This Help Text**.................................................................5  
Overview.................................................................................................................6  
Scope and Audience..................................................................................................6  
About the Diameter Intelligence Hub (DIH)..........................................................6  
   Setting User Preferences.........................................................................................7  
Customer Care Center..............................................................................................14  
DIH Documentation Library....................................................................................16  
Locate Product Documentation on the Customer Support Site.............................17  
Diameter Intelligent Hub (DIH) - Copyright, Notice, Trademarks, and Patents........17

**Chapter 2: Introducing Audit Viewer**............................................................19  
About Audit Viewer - Overview...............................................................................20  
Audit Viewer Functionality.......................................................................................20

**Chapter 3: Getting Started with Audit Viewer**.............................................21  
Accessing and logging into NSP ............................................................................22  
Opening Audit Viewer.............................................................................................22  
   User Activity Table...............................................................................................23  
   Tool Bar..............................................................................................................23

**Chapter 4: Filtering Audit Viewer Records**..................................................25  
Overview...............................................................................................................26  
Using Quick Filters to Select Audit Viewer Records..............................................26  
Using the Filters Tool to Select Audit Viewer Records..........................................28

**Chapter 5: Viewing User Activity**...............................................................31  
About Tracking User Activities..............................................................................32

**Chapter 6: Exporting Audit Records**............................................................39  
Overview...............................................................................................................40  
How to Export Audit Records...............................................................................40  
   Stopping the export Process..............................................................................42
## List of Figures

<table>
<thead>
<tr>
<th>Figure</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Time Formatting Page</td>
<td>8</td>
</tr>
<tr>
<td>2</td>
<td>Directory Page</td>
<td>9</td>
</tr>
<tr>
<td>3</td>
<td>Mapping Page</td>
<td>10</td>
</tr>
<tr>
<td>4</td>
<td>Point Code Tab</td>
<td>11</td>
</tr>
<tr>
<td>5</td>
<td>CIC Page</td>
<td>12</td>
</tr>
<tr>
<td>6</td>
<td>Alarms Page</td>
<td>13</td>
</tr>
<tr>
<td>7</td>
<td>Privacy Page</td>
<td>14</td>
</tr>
<tr>
<td>8</td>
<td>Audit Viewer Home Page</td>
<td>22</td>
</tr>
<tr>
<td>9</td>
<td>Quick Filters Tool Bar Option</td>
<td>26</td>
</tr>
<tr>
<td>10</td>
<td>Application Window</td>
<td>26</td>
</tr>
<tr>
<td>11</td>
<td>Severity Window</td>
<td>27</td>
</tr>
<tr>
<td>12</td>
<td>User Window</td>
<td>27</td>
</tr>
<tr>
<td>13</td>
<td>Filtered List Using All Three Criteria</td>
<td>27</td>
</tr>
<tr>
<td>14</td>
<td>First Filter Screen</td>
<td>28</td>
</tr>
<tr>
<td>15</td>
<td>New Condition Screen</td>
<td>29</td>
</tr>
<tr>
<td>16</td>
<td>New Condition Screen with Multiple Conditions</td>
<td>29</td>
</tr>
<tr>
<td>17</td>
<td>Audit Listing With Export Record Selected</td>
<td>40</td>
</tr>
<tr>
<td>18</td>
<td>The Export Tekelec Data Window</td>
<td>41</td>
</tr>
<tr>
<td>19</td>
<td>The Export Status Window</td>
<td>42</td>
</tr>
</tbody>
</table>
List of Tables

Table 1: User’s Activity For Application, Component And Function.........................................32
Table 2: User Activity Chart for Centralized Configuration Manager........................................35
Table 3: User Activity - Security.......................................................................................................37
Chapter 1

About This Help Text

Topics:

- Overview.....6
- Scope and Audience.....6
- About the Diameter Intelligence Hub (DIH).....6
- Customer Care Center.....14
- DIH Documentation Library.....16
- Locate Product Documentation on the Customer Support Site.....17
- Diameter Intelligent Hub (DIH) - Copyright, Notice, Trademarks, and Patents.....17
Overview

The Audit Viewer Tool is part of the NSP Toolbox Configuration Library. It is an application that monitors the activities of logged-in users and displays records of those activities. Only users with roles NSP Network Administrator and the NSP Monitoring Manager have access to this application. The application is located in the Surveillance group in Diameter Intelligence Hub (DIH).

Scope and Audience

This help system provides information about Audit Viewer’s and is designed around performing common tasks to efficiently and effectively monitor applications and user’s activities as well as alarm status. Take a few minutes to browse through these tasks and become acquainted with the layout of this guide to become familiar with the headings and subheadings that allow you to find the information you need.

About the Diameter Intelligence Hub (DIH)

The Diameter Intelligent Hub (DIH) is used to monitor a LTE network. DIH also creates a small hardware “footprint” for customers who administer 3G and 4G diameter networks. The DIH:

- Is a single blade server and storage blade collocated within a single or dual Diameter Signaling Router (DSR) enclosure(s).
- Provides filtering, data feed, tracing, decoding, and SNMP functions.
- Enables the selective collection and storage of diameter traffic within one or more instances of PMF and IXP.
- Provides nodal diameter troubleshooting.
- Provides data export for diameter messages.
- Supports both IPv4 and IPv6 traffic simultaneously.
- Provides KPI tracking using ProTrace application as well as viewing KPIs in graphic format using ProPerf dashboard configured at installation.
- Provides filtering for alarms using ProTraq Cell filter (see system alarms online help).
- Uses diameter protocol exclusively.

Note: The DIH system can use other protocols if the Diameter mode has not been selected and system is in Standard mode. (Default setting is Standard mode. For more information on selecting Diameter mode, see Centralized Configuration Manager Administration online help, "Setting System to Diameter Mode."

The Diameter Protocol

The diameter protocol has evolved from the Radius protocol and enables diameter applications to extend the base protocol by adding new commands and/or attributes, such as those for use of the Extensible Authentication Protocol (EAP).
The diameter protocol provides for an Authentication, Authorization, and Accounting (AAA) framework that overcomes the limitations of RADIUS, (a protocol that handles AAA and EAP), which cannot effectively deal well with remote access, IP mobility and policy control. The Diameter protocol defines a policy protocol used by clients to perform Policy, AAA and Resource Control. This allows a single server to handle policies for many services.

As mentioned above, Diameter protocol provides AAA functionality, but in addition it is made more reliable by using TCP and SCTP instead of UDP. The Diameter protocol is further enhanced by the development of the 3rd Generation Partnership Project (3GPP) IP Multimedia Subsystem (IMS). Through the use of extensions, the protocol was designed to be extensible to support Proxies, Brokers, Strong Security, Mobile-IP, Network Access Servers (NASREQ), Accounting and Resource Management.

Setting User Preferences

Users can set certain User Preferences that apply to the following NSP applications:

- Alarm Forwarding
- Audit Viewer
- ProAlarm Configuration
- ProAlarm Viewer
- ProPerf
- ProPerf Configuration
- ProTraq
- Security
- System Alarms

These User Preferences include

- Time specifications (date format, time zone, etc.)
- Directory names (for exporting, uploading, and downloading)
- Enumeration values (numerals vs. text)
- Node name and node link display
- Point code specifications
- CIC specifications
- Default alarm colors
- Default object privacy privileges

Setting Time Format

Follow these steps to set the time format:

1. Click **User Preferences** on the Application board. The User Preferences page is displayed.
2. Click the **Time** tab. The Time page is displayed. The red asterisk denotes a required field.

**Note:** Use the tips on the page to help you configure the time format.
3. Enter the format for these time-related displays.
   - Date format
   - Time format
   - Date and time fields

4. Select the formats for these time-related displays by using the drop-down arrow.
   - Duration fields
   - Time zone

   Note: You must choose your time zone to get local time.

5. If you want to reset the time-related displays to default settings, click **Reset for Time**. (The bottom Reset button resets all the tabbed pages to default settings.)

6. Click **Apply** to save settings.

Setting Directory Preferences

Use the User Preferences feature to set the Export, Upload and Download directory paths for your system. These paths define where xDR’s, dictionary files and other elements are stored.

Follow these steps to set the directory preferences.
1. Click **User Preferences** on the Application board. The User Preferences page is displayed.

2. Click the **Directory** tab. The Directory page is displayed. The red asterisk denotes a required field.

3. Type in the following:
   - Export directory
   - Upload directory
   - Download directory

4. If you want to reset the directories to default settings, click **Reset for Directory**. (The bottom Reset button resets all the tabbed pages to default settings.)

5. Click **Apply** to save your settings.

**Setting Mapping Preferences**

You can set the Mapping settings using the User Preferences feature.

Follow these steps to set Mapping preferences.

1. Click **User Preferences** in the Application board. The User Preferences page is displayed.

2. Click the **Mapping** tab. The Mapping page is displayed.
3. Check **Translate ENUM values** to display text instead of numerals.
   Enumeration is used by xDRs to display text values instead of numeric. (For example, rather than showing the numeral for Alarm Severity, the user interface will show the actual word, such as "Major" or "Critical.")

4. Check **Point Code to Node Name** to display the custom (user-defined) name of the node. Otherwise, the Point Code value is displayed.

5. Check **Link Short Name to Long Name** to display the custom (user-defined) link name or the Eagle link name. Otherwise, the short name is displayed, which is the name that begins with an asterisk (*).

6. To reset the Mapping values to the default, click **Reset for Enumeration**. (The bottom **Reset** button resets all the tabbed pages to default settings.)

7. Click **Apply** to save the changes.

### Setting Point Code Preferences

The User Preferences feature enables you to set the Point Code preferences for your system. A Point Code is a unique address for a node (Signaling Point), used to identify the destination of a message signal unit (MSU).

Follow these steps to set the Point Code preferences.

1. Click **User Preferences** in the Application board.
   The User Preferences page is displayed.

2. Click the **Point Code** tab.
   The Point Code page is displayed. The red asterisk denotes a required field.
3. Select either **Hexadecimal display** or **Decimal display**.
4. Select or de-select **Split format**. If **Split format** is checked, the Bit groups settings in the box below are active. If **Split format** is not checked, Bit groups settings are not applicable.
5. If you selected Split format above, go to the next step. If you did not select Split format, go to step **Step 8**.
6. In the Bit groups panel, use the drop-down box to select the **Separation** type.
7. Type in values for **Groups 0-3**.
8. To reset the point code preferences to default settings, click **Reset for Point code**. (The bottom **Reset** button resets all the tabbed pages to default settings.)
9. Click **Apply** to save your settings.

**Setting CIC Preferences**

The Circuit Identification Code (CIC) provides a way to identify which circuit is used by the Message Signaling Unit (MSU). This is important in ProTrace applications. Use the User Preferences feature to set the CIC settings for your system.

Complete these steps to set the CIC preferences:

1. Click **User Preferences** in the Application board. The User preferences page is displayed.
2. Click the CIC tab. The CIC page is displayed. The red asterisk denotes a required field.
Select either **Hexadecimal display** or **Decimal display**.

4. Select or de-select **Split format**.
   If **Split format** is checked, the Bit groups settings in the box below are active. If **Split format** is not checked, Bit groups settings are not applicable.

5. If you selected Split format above, go to the next step. If you did not select Split format, go to step **Step 8**.

6. In the Bit groups panel, use the drop-down box to select **Separation** type.

7. Type in values for **Group 0** and **Group 1**.

8. If you want to reset CIC preferences to the default, click **Reset for CIC**. (The bottom **Reset** button resets all the tabbed pages to default settings.)

9. Click **Apply** to save your settings.

**Setting Alarms Preferences**

Use the Alarms tab in User Preferences to define the default colors that indicate alarm severity. The colors are displayed in the Perceived Severity column of alarms tables and on object icons in maps.

Follow these steps to modify alarm status colors.

1. Click **User Preferences** in the Application board.
   The User preferences page is displayed.

2. Click the **Alarms** tab.
   The Alarms page is displayed. The red asterisk denotes a required field.
3. Click the color palette (icon on the right side of the screen) associated with the alarm status color(s) you want to modify.
   A pop-up palette window is displayed.
4. Click the color you want for the type of alarm.
   The color palette pop-up is closed and the color box for the alarm displays the selected color. The number for the color is also displayed.
5. If you want to reset the Alarm preferences to the default, click Reset for Alarmslist. (The bottom Reset button resets all the tabbed pages to default settings.)
6. Click Apply.
   The changes do not take effect until you log out of and in again to NSP.

Setting Default Object Privacy

All NSP users can set default access privileges for Objects (data) they create in NSP applications. An owner has full rights to modify or delete the object. Other users are assigned to a Profile and have access to these Objects through that Profile’s associated Privacy Roles.

To enter the default Object Privacy (data) settings, follow these steps:

1. Click User preferences in the Application board menu.
   The User Preferences window is displayed. The Time tab is active by default.
2. Click the Privacy tab.
   The Privacy page is displayed.
3. Click the appropriate box to select Read, Write, or eXecute. If you want the role to have no access to the selected object(s), ensure that no box is checked.

4. Click Save as default.

5. To reset all the tabbed pages to default settings, click Reset.

6. Click Apply.
   The settings are saved.

Customer Care Center

The Tekelec Customer Care Center is your initial point of contact for all product support needs. A representative takes your call or email, creates a Customer Service Request (CSR) and directs your requests to the Tekelec Technical Assistance Center (TAC). Each CSR includes an individual tracking number. Together with TAC Engineers, the representative will help you resolve your request.

The Customer Care Center is available 24 hours a day, 7 days a week, 365 days a year, and is linked to TAC Engineers around the globe.

Tekelec TAC Engineers are available to provide solutions to your technical questions and issues 7 days a week, 24 hours a day. After a CSR is issued, the TAC Engineer determines the classification of the trouble. If a critical problem exists, emergency procedures are initiated. If the problem is not critical, normal support procedures apply. A primary Technical Engineer is assigned to work on the CSR and provide a solution to the problem. The CSR is closed when the problem is resolved.

Tekelec Technical Assistance Centers are located around the globe in the following locations:

Tekelec - Global
Email (All Regions): support@tekelec.com
- USA and Canada
  Phone:
  1-888-FOR-TKLC or 1-888-367-8552 (toll-free, within continental USA and Canada)
1-919-460-2150 (outside continental USA and Canada)

TAC Regional Support Office Hours:
8:00 a.m. through 5:00 p.m. (GMT minus 5 hours), Monday through Friday, excluding holidays

• Caribbean and Latin America (CALA)
  Phone:
  USA access code +1-800-658-5454, then 1-888-FOR-TKLC or 1-888-367-8552 (toll-free)

TAC Regional Support Office Hours (except Brazil):
10:00 a.m. through 7:00 p.m. (GMT minus 6 hours), Monday through Friday, excluding holidays

• Argentina
  Phone:
  0-800-555-5246 (toll-free)

• Brazil
  Phone:
  0-800-891-4341 (toll-free)

TAC Regional Support Office Hours:
8:00 a.m. through 5:48 p.m. (GMT minus 3 hours), Monday through Friday, excluding holidays

• Chile
  Phone:
  1230-020-555-5468

• Colombia
  Phone:
  01-800-912-0537

• Dominican Republic
  Phone:
  1-888-367-8552

• Mexico
  Phone:
  001-888-367-8552

• Peru
  Phone:
  0800-53-087

• Puerto Rico
  Phone:
  1-888-367-8552 (1-888-FOR-TKLC)

• Venezuela
Phone: 0800-176-6497

• Europe, Middle East, and Africa
  Regional Office Hours:
  8:30 a.m. through 5:00 p.m. (GMT), Monday through Friday, excluding holidays

• Signaling
  Phone: +44 1784 467 804 (within UK)

• Software Solutions
  Phone: +33 3 89 33 54 00

• Asia
  • India
    Phone: +91 124 436 8552 or +91 124 436 8553
    **TAC Regional Support Office Hours:**
    10:00 a.m. through 7:00 p.m. (GMT plus 5 1/2 hours), Monday through Saturday, excluding holidays

• Singapore
  Phone: +65 6796 2288
  **TAC Regional Support Office Hours:**
  9:00 a.m. through 6:00 p.m. (GMT plus 8 hours), Monday through Friday, excluding holidays

**DIH Documentation Library**

DIH customer documentation and online help are created whenever significant changes are made that affect system operation or configuration. Revised editions of the documentation and online help are distributed and installed on the customer system. Consult your NSP Installation Manual for details on how to update user documentation. Additionally, a Release Notice is distributed on the Tekelec Customer Support site along with each new release of software. A Release Notice lists the PRs that have been resolved in the current release and the PRs that are known to exist in the current release.

Listed is the entire DIH documentation library of online help.

• Centralized Configuration Manager Administration Online Help
• Alarm Forwarding Administration Online Help
Locate Product Documentation on the Customer Support Site

Access to Tekelec's Customer Support site is restricted to current Tekelec customers only. This section describes how to log into the Tekelec Customer Support site and locate a document. Viewing the document requires Adobe Acrobat Reader, which can be downloaded at www.adobe.com.

1. Log into the Tekelec Customer Support site.

   Note: If you have not registered for this new site, click the Register Here link. Have your customer number available. The response time for registration requests is 24 to 48 hours.

2. Click the Product Support tab.

3. Use the Search field to locate a document by its part number, release number, document name, or document type. The Search field accepts both full and partial entries.

4. Click a subject folder to browse through a list of related files.

5. To download a file to your location, right-click the file name and select Save Target As.

Diameter Intelligent Hub (DIH) - Copyright, Notice, Trademarks, and Patents

© 2012 Tekelec
All Rights Reserved
Printed in U.S.A.

Notice

Information in this documentation is subject to change without notice. Unauthorized use, copying, or translation of this documentation can result in civil or criminal penalties.

Any export of Tekelec products is subject to the export controls of the United States and the other countries where Tekelec has operations.

No part of this documentation may be reproduced, translated, or transmitted in any form or by any means, electronic or mechanical, including photocopying or recording, for any purpose without the express written permission of an authorized representative of Tekelec.

Other product names used herein are for identification purposes only, and may be trademarks of their respective companies.
RoHS 5/6 - As of July 1, 2006, all products that comprise new installations shipped to European Union member countries will comply with the EU Directive 2002/95/EC "RoHS" (Restriction of Hazardous Substances). The exemption for lead-based solder described in the Annex will be exercised. RoHS 5/6 compliant components will have unique part numbers as reflected in the associated hardware and installation manuals.

WEEE - All products shipped to European Union member countries comply with the EU Directive 2002/96/EC, Waste Electronic and Electrical Equipment. All components that are WEEE compliant will be appropriately marked. For more information regarding Tekelec’s WEEE program, contact your sales representative.

Trademarks

TEKELEC, EAGLE, G-Flex, G-Port, and CAMIANT are registered trademarks of Tekelec. The Tekelec logo, A-Port, EAGLE 5, EAGLE 5 ISS, IP7, IP7 Secure Gateway, V-Flex, ngHLR, BLUESLICE, and Subscriber Data Server (SDS) are trademarks of Tekelec. All other trademarks are the property of their respective owners.

Patents

This product may be covered by one or more of the following U.S. and foreign patents:

U.S. Patent Numbers:
6,456,845; 6,765,990; 6,968,048; 7,043,001; 7,155,512; 7,206,394; 7,215,748; 7,231,024; 7,286,516; 7,286,647; 7,401,360; 7,706,343; 7,844,033; 7,860,799;

Foreign Patent Numbers:
None.
Chapter 2

Introducing Audit Viewer

Topics:

- *About Audit Viewer - Overview*.....20
- *Audit Viewer Functionality*.....20
About Audit Viewer - Overview

*Audit Viewer* is a specific-purpose application which is part of the NSP Toolbox. This system allows the *NSP Monitoring Manager* to view logged user activities. The tool stores user-audit data for the previous four months.

Audit Viewer Functionality

*Audit Viewer* supports the following functions:

- Listing audit records - The records contain date and time, user login, NSP application, problem severity and message information.
- Exporting audit records - Displayed audit logs are exportable in CSV and other formats.
Chapter 3

Getting Started with Audit Viewer

Topics:

- Accessing and logging into NSP .....22
- Opening Audit Viewer.....22
Accessing and logging into NSP

To access and log into NSP, follow these steps:

1. Open your Web browser.
2. In the Address bar, type the following Uniform Resource Locator (URL) for NSP: http://nspserver/nsp, where the nspserver is the IP address of NSP.
   
   **Note:** NSP only supports versions of IE 7.0 or later and Firefox 3.6 or later. Before using NSP, turn off the browser pop up blocker for the NSP site.

   The NSP login screen opens.

   **Note:** Before you can start NSP, you must first have a userid and password assigned to you by your NSP system administrator.

3. Type your **username** assigned to you in the Username field.
4. Type your **password** in the Password field.
5. Click OK.

   The NSP Application Board opens.

6. Click on the **Audit Viewer** icon to open the application.

Opening Audit Viewer

Click on the **Audit Viewer icon**. The Audit Viewer home page opens with a list of audit records shown below.

![Audit Viewer Home Page]

**Figure 8: Audit Viewer Home Page**

The Audit Viewer home page shown in Figure 3-3 consists of two parts, a table of logged user activities and a tool bar. The tool bar contains icons for managing the display of groups of records in the table.

**Note:** Do not use the Function Keys (F1 through F12) when using the NSP. Function keys work in unexpected ways. For example, the F1 key will not open NSP help but will open help for the browser in use. The F5 key will not refresh a specific screen, but will refresh the entire session and will result in a loss of any entered information.
User Activity Table

The table consists of eight headings:

- Rec no - The consecutive number assigned to each record in the table.
- Log Time stamp - The time and date the log record was generated by the NSP system.
- Log Severity - Relative importance of the log record: Fatal, Error, Warn, Info and Debug.
- Component Name - DIH system component for example NSP
- Message Id - Log record information line.
- User Id - Name of user defined in NSP database
- Application Id - NSP application being used.
- Machine Name - Network ID of the affected server.

The default display order for records is based on Log Time stamps from most-recent-to-oldest. Clicking the column heading reverses the sort order. Selecting the column heading again toggles back to the default order. Other columns also can be used as sort criteria. Clicking on a column heading the first time puts the records in alphabetical order. Clicking again toggles to the reverse alphabetical order. In all cases an arrowhead symbol in one of the column headings defines the column which controls the sort and whether the sort is first-to-last or last-to-first.

Tool Bar

The tool bar contains icons used to scroll up and down through lists of records larger than the display can accommodate in a single page, to sort or filter records in the table according to various criteria, and to count records on demand.

Toolbar

The toolbar has the following function buttons:

- Filter - enables you to create filters for data records to make searches convenient.
- Export - enables you to export sessions using a variety of formats.
- Refresh - enables you to refresh the current screen to see all recent changes.

Using Navigation Buttons

You can select a record either by clicking on it to highlight it or you can use the navigation arrowbuttons on the tool bar. Each button is described below (in order from left to right).

- First list record - this button takes you to the first record on the first page.
- First page record - this button takes you to the first record on the current page
- Previous record - this button takes you to the previous record on the current page.
- Previous page - this button takes you to the first record on the previous page.
- Next page - this button takes you to the first record on the next page.
- Next record - this button takes you to the next record on the current page.
• Last page record - this button takes you to the last record on the current page.
• Last list record - this button takes you to the last record on the last page.

Note: Clicking the selected record opens it.

Selecting multiple Records
You can also select multiple records using the Shift or Ctrl key.

Selecting multiple separate Records
To select multiple separated records, press the Ctrl key while you click the records you want to include in the selection.

Selecting blocks of Records
If you want to select a block of records, press the Shift key while you click the first and last records of the block being selected.

For more information about using the Tool Bar, refer to Understanding the Platform GUI in the NSP Platform Guide. The record export tool bar function, which is unique to Audit Viewer, is described in Chapter 6, Exporting audit records.
Chapter 4

Filtering Audit Viewer Records

Topics:

- Overview.....26
- Using Quick Filters to Select Audit Viewer Records.....26
- Using the Filters Tool to Select Audit Viewer Records.....28
Overview

This chapter covers:

• The method for selecting subsets of Audit Viewer records using Quick filters in the tool bar.
• The method for selecting subsets of Audit Viewer records using Filter in the tool bar.

Using Quick Filters to Select Audit Viewer Records

The fastest way to locate and display records is to use the Quick filters option in the toolbar. The figure below shows, there are three criteria: Application, Severity and User. Any criterion or combination of criteria can be used for the search.

![Figure 9: Quick Filters Tool Bar Option](image)

1. Select the application criterion.

   The Application window in the tool bar is a pulldown menu for selecting the NSP application whose user activities you want to view. The figure below shows the application choices.

![Figure 10: Application Window](image)

2. Select severity criterion.

   The Severity window’s pulldown menu identifies the priority to use for the search. The figure below shows the options.
The hierarchy of severity is implied in the menu order - top to bottom as follows:

a) Fatal
b) Error
c) Warning
d) Info
e) Debug

3. Select user criterion.

The User window pulldown menu lists the users eligible to be filtering criteria. The figure below shows an example of user criterion.

Figure 12: User Window

Note: You can select only one option in each pulldown menu. (Another Audit Viewer filtering tool discussed below overcomes this limitation.)

The figure below shows a result based on all three criteria. The green field in the tool bar indicates that filtering is active. The number of records per screen and the total number of records in the filtered list appear in the upper row of the tool bar.

Figure 13: Filtered List Using All Three Criteria
Using the Filters Tool to Select Audit Viewer Records

You filter records based on key criteria using the filter function. To filter records, perform the following steps:

1. Display the **record list** you want to filter.
2. Click the **filter** button, the filter screen opens shown in the First Filter Screen.

![First Filter Screen](image)

3. If a stored filter is to be used, choose a **filter** from the **SELECT A FILTER** pull-down menu in the gray field at the top of the **Filter** window. Then click the **Load this user filter** option. The filter definition appears in the **Expression** field.
4. Click the **New Condition** button to enter a condition for a new filter or to add one to an existing filter.

The **New Conditions** screen opens as shown in the New Condition and New Condition with Multiple Conditions screens.
Figure 15: New Condition Screen

Figure 16: New Condition Screen with Multiple Conditions

**Note:** You may enter up to 26 conditions in sequence by defining a new condition with any (or all) of the Field, Operator and Value terms and then clicking the New Condition button. A checkbox is used to select an existing condition for editing.

5. Click the down arrow key to select a **condition** from the pull-down menu associated with the Field or Operator field.

6. Enter a **condition value** in the Value field.

**Note:** You can edit the Expression field by substituting OR for AND (the default relationship between Index terms). Parentheses are used in complex expressions to tell the system which entries to consider first.
7. If the filter is to be archived, enter a **Publishing name** if none exists and click the **Save current filter as** in the gray field at the top of the Filter window.

   **Note:** An archived filter is deleted by clicking the **Delete this user filter** option (in the gray field at the top of the Filter window) after choosing the filter in the associated **SELECT A FILTER** pull-down menu.

8. Click **Apply** when you have completed your entries.
   A list is displayed containing the records selected by the filter.
Chapter 5

Viewing User Activity

Topics:

- About Tracking User Activities.....32
### About Tracking User Activities

The following table provides information for tracking user activity using Audit Viewer. The tables show the following information for each message tracked by the user:

- Application
- Component
- Functionality
- Message

<table>
<thead>
<tr>
<th>Application</th>
<th>Component</th>
<th>Functionality</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProTrace</td>
<td>Query List</td>
<td>List</td>
<td>List of queries = Query list retrieved for network viewID = &lt;&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Create</td>
<td>QueryID=&lt;&gt;, Name=&lt;&gt; created</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Modify</td>
<td>QueryID=&lt;&gt;, Name=&lt;&gt; modified</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Delete</td>
<td>QueryID=&lt;&gt; deleted</td>
</tr>
<tr>
<td></td>
<td>xDR Browsing</td>
<td>Start</td>
<td>&lt;query name&gt; executed on networks views IDs=&lt;&gt; Names=&lt;&gt;</td>
</tr>
<tr>
<td>Trace</td>
<td>Start</td>
<td>Trace started on network views IDs=&lt;&gt; Names=&lt;&gt;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Export</td>
<td>User exported trace in HTML format</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Import</td>
<td>User imported trace</td>
<td></td>
</tr>
<tr>
<td>Alarm Forwarding</td>
<td>Filter</td>
<td>Add, Modify, Remove</td>
<td>Alarm forwarding filtering rules changed</td>
</tr>
<tr>
<td></td>
<td>Destination</td>
<td>Configure</td>
<td>Alarm forwarding destination settings changed</td>
</tr>
<tr>
<td>ProTraq</td>
<td>StatConfiguration</td>
<td>Create</td>
<td>Configuration &lt;NAME&gt; (#&lt;ID&gt;) created</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Update</td>
<td>Configuration &lt;CONFIG_NAME&gt; (#&lt;CONFIG_ID&gt;) modified (corner filter created)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Update (corner filter)</td>
<td>Configuration &lt;NAME&gt; (#&lt;ID&gt;) modified (corner filter created)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Update (columns)</td>
<td>Configuration &lt;NAME&gt; (#&lt;ID&gt;) modified (column filter &quot;+_columnName:&quot; created)</td>
</tr>
<tr>
<td>Application</td>
<td>Component</td>
<td>Functionality</td>
<td>Message</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------</td>
<td>---------------</td>
<td>---------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Message &lt;NAME&gt; (#&lt;ID&gt;) modified (column filter &lt;COLUMN_NAME&gt; removed)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Message &lt;NAME&gt; (#&lt;ID&gt;) modified (order of column filters)</td>
</tr>
<tr>
<td>Update (lines)</td>
<td></td>
<td></td>
<td>Configuration &lt;NAME&gt; (#&lt;ID&gt;) modified (line filter &quot;+_lineName+&quot; created)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Configuration &lt;NAME&gt; (#&lt;ID&gt;) modified (line filter &quot;+_lineName+&quot; updated)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Configuration &lt;NAME&gt; (#&lt;ID&gt;) modified (line filter &quot;+lineName+&quot; removed)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Configuration &lt;NAME&gt; (#&lt;ID&gt;) modified (order of line filters)</td>
</tr>
<tr>
<td>Update (alarms)</td>
<td></td>
<td></td>
<td>Alarm on configuration &lt;NAME&gt; (#&lt;ID&gt;) for line &lt;LINE_NAME&gt; and column &lt;COLUMN_NAME&gt; created</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Alarm on configuration &lt;NAME&gt; (#&lt;ID&gt;) for line &lt;LINE_NAME&gt; and column &lt;COLUMN_NAME&gt; updated</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Alarm on configuration &lt;NAME&gt; (#&lt;ID&gt;) for line &lt;LINE_NAME&gt; and column &lt;COLUMN_NAME&gt; removed</td>
</tr>
<tr>
<td>Delete</td>
<td></td>
<td></td>
<td>Configuration &lt;NAME&gt; (#&lt;ID&gt;) removed</td>
</tr>
<tr>
<td>Configuration applying</td>
<td></td>
<td></td>
<td>Instance of DSE configuration &lt;NAME&gt; (#&lt;ID&gt;) on session &lt;SESSION_NAME&gt; created</td>
</tr>
<tr>
<td></td>
<td>Set</td>
<td></td>
<td>Instance of DSE configuration &lt;NAME&gt; (#&lt;ID&gt;) on session &lt;SESSION_NAME&gt; activated</td>
</tr>
<tr>
<td></td>
<td>Activate</td>
<td></td>
<td>Instance of DSE configuration &lt;NAME&gt; (#&lt;ID&gt;) on session &lt;SESSION_NAME&gt; deactivated</td>
</tr>
<tr>
<td></td>
<td>Deactivate</td>
<td></td>
<td>Instance of DSE configuration &lt;NAME&gt; (#&lt;ID&gt;) on session &lt;SESSION_NAME&gt; removed</td>
</tr>
<tr>
<td>Schedule</td>
<td>NA</td>
<td></td>
<td>Creating Historical Task</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cancelling Historical Task</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Deleting Historical Task</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Getting Historical Task Status</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Deleting Historical Task</td>
</tr>
<tr>
<td>ProPerf Dashboard view</td>
<td>NA</td>
<td>List, Execute</td>
<td>Display dashboard &lt;NAME&gt; (#&lt;ID&gt;)</td>
</tr>
</tbody>
</table>
### ProPerf Configuration

<table>
<thead>
<tr>
<th>Application</th>
<th>Component</th>
<th>Functionality</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProPerf</td>
<td>Dashboard</td>
<td>Create, Remove, Update</td>
<td>Dashboard &lt;NAME&gt; (#&lt;ID&gt;) created</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dashboard &lt;NAME&gt; (#&lt;ID&gt;) removed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dashboard &lt;NAME&gt; (#&lt;ID&gt;) updated</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Panel &lt;NAME&gt; (#&lt;ID&gt;) added to Dashboard #&lt;DASHBOARD_ID&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Panel &lt;NAME&gt; (#&lt;ID&gt;) updated</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Panel &lt;NAME&gt; (#&lt;ID&gt;) removed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>KPI &lt;NAME&gt; (#&lt;ID&gt;) added to Panel #&lt;PANEL_ID&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>KPI &lt;NAME&gt; (#&lt;ID&gt;) updated</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>KPI &lt;NAME&gt; (#&lt;ID&gt;) removed</td>
</tr>
</tbody>
</table>

### Datafeed

<table>
<thead>
<tr>
<th>Application</th>
<th>Component</th>
<th>Functionality</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>Datafeed</td>
<td>NA</td>
<td>NA</td>
<td>DataFeed &lt;feedId&gt; created. Name=&lt;feedName&gt;, Session Name=&lt;feedSessionName&gt;, Start Time=&lt;feedStartTime&gt;, Filter Name=&lt;feedFilterName&gt;, Period Length=&lt;feedPeriodLength&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DataFeed &lt;feedId&gt; modified. Name=&lt;feedName&gt;, Session Name=&lt;feedSessionName&gt;, Start Time=&lt;feedStartTime&gt;, Filter Name=&lt;feedFilterName&gt;, Period Length=&lt;feedPeriodLength&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DataFeed &lt;feedId&gt; deleted. Name=&lt;feedName&gt;, Session Name=&lt;feedSessionName&gt;, Start Time=&lt;feedStartTime&gt;, Filter Name=&lt;feedFilterName&gt;, Period Length=&lt;feedPeriodLength&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DataFeed &lt;feedId&gt; activated. Name=&lt;feedName&gt;, Session Name=&lt;feedSessionName&gt;, Start Time=&lt;feedStartTime&gt;, Filter Name=&lt;feedFilterName&gt;, Period Length=&lt;feedPeriodLength&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DataFeed (#&lt;feedId&gt;) deactivated. Name=&lt;feedName&gt;, Session Name=&lt;feedSessionName&gt;, Start Time=&lt;feedStartTime&gt;, Filter Name=&lt;feedFilterName&gt;, Period Length=&lt;feedPeriodLength&gt;</td>
</tr>
</tbody>
</table>
Table 2: User Activity Chart for Centralized Configuration Manager

<table>
<thead>
<tr>
<th>Application</th>
<th>Component</th>
<th>Functionality</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCM</td>
<td>Network</td>
<td>NA</td>
<td>Legacy PMF Linkset &lt;NAME&gt; (#&lt;ID&gt;) with OID=&lt;OID&gt; updated</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Legacy PMF Linkset &lt;NAME&gt; (#&lt;ID&gt;) removed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>IP SP &lt;NAME&gt; (#&lt;ID&gt;) with OID=&lt;OID&gt; removed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>IP SP &lt;NAME&gt; with OID=&lt;OID&gt; updated</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>IP SP #&quot; + spId + &quot; removed</td>
</tr>
<tr>
<td>System</td>
<td>NA</td>
<td>Application &lt;TYPE&gt; &lt;NAME&gt; (#&lt;ID&gt;) created</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>DB Link &lt;NAME&gt; created</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Connection &lt;NAME&gt; created</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Host &lt;NAME&gt; (#&lt;ID&gt;) created</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Site &lt;NAME&gt; (#&lt;ID&gt;) created</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Application &lt;TYPE&gt; &lt;NAME&gt; (#&lt;ID&gt;) removed</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Host (#&lt;ID&gt;) removed</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Site (#&lt;ID&gt;) removed</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Application &lt;TYPE&gt; &lt;NAME&gt; (#&lt;ID&gt;) updated</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Host (#&lt;ID&gt;) updated</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Site &lt;NAME&gt; (#&lt;ID&gt;) updated</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>RID group #&lt;ID&gt; removed</td>
<td></td>
</tr>
<tr>
<td>XMF</td>
<td>NA</td>
<td>[XMF] ComboPDU filter &lt;NAME&gt; (#&lt;ID&gt;) created.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[XMF] DlciPDU filter &lt;NAME&gt; (#&lt;ID&gt;) created.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[XMF] GT PDU filter &lt;NAME&gt; (#&lt;ID&gt;) created.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[XMF] IP PDU filter &lt;NAME&gt; (#&lt;ID&gt;) created.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[XMF] PC PDU filter &lt;NAME&gt; (#&lt;ID&gt;) created.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[XMF] Port filter &lt;NAME&gt; (#&lt;ID&gt;) created.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[XMF] RawPDU filter &lt;NAME&gt; (#&lt;ID&gt;) created.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[XMF] SSN PDU filter &lt;NAME&gt; (#&lt;ID&gt;) created.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[XMF] VlanPDU filter &lt;NAME&gt; (#&lt;ID&gt;) created.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[XMF] PDU Filter &lt;NAME&gt; (#&lt;ID&gt;) removed.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[XMF] ComboPDU filter &lt;NAME&gt; (#&lt;ID&gt;) updated.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[XMF] DlciPDU filter &lt;NAME&gt; (#&lt;ID&gt;) updated.</td>
<td></td>
</tr>
<tr>
<td>Application</td>
<td>Component</td>
<td>Functionality</td>
<td>Message</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------</td>
<td>---------------</td>
<td>---------</td>
</tr>
<tr>
<td>IXP</td>
<td>Discover</td>
<td></td>
<td>Error during xDRBuilder &lt;NAME&gt; &lt;VERSION&gt; discovery.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>xDRBuilder &lt;NAME&gt; &lt;VERSION&gt; discovered by user &lt;USERNAME&gt; during builder discovery.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Deleted xDR Builder &lt;NAME&gt;.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cannot delete xDR Builder having id &lt;ID&gt;.</td>
</tr>
</tbody>
</table>

[XMFI]PDU filter <NAME>(#<ID>) updated.  
[XMFI]PC PDU filter <NAME>(#<ID>) updated.  
[XMFI] PortPDU filter <NAME>(#<ID>) updated.  
[XMFI] RawPDU filter <NAME>(#<ID>) updated.  
[XMFI] SSN PDU filter <NAME>(#<ID>) updated.  
[XMFI] VlanPDU filter <NAME>(#<ID>) updated.  
[XMFI] PMf Card (#<ID>) with application name <NAME> and location <LOCATION> created.  
[XMFI] PMF Card (#<ID>) updated with State <STATE>.  
[XMFI] PMF Card #<ID> removed.  
[XMFI] Port #<ID> and associated links created.  
[XMFI] Port #<ID> and associated links removed.  
[XMFI] E1T1 Port #<ID> removed. [XMFI] Parameter (Long) <NAME> saved.  
[XMFI] Parameter (String) <NAME> saved.  
[XMFI] Parameter (Long) <NAME> removed.  
[XMFI] Parameter (String) <NAME> removed.  
[XMFI] Parameter <NAME> created.  
[XMFI] Parameter <NAME> modified.  
[XMFI] Parameter <NAME> removed.  
E1T1 ports for card #<ID> modified.  
E1T1 ports # <PORT NUMBERS> created.  
E1T1 ports for card #<ID> modified.  
Monitoring group <NAME>(#<ID>) created.  
Monitoring group <NAME> (#<ID>) updated.  
Monitoring group #<ID> removed.  

Discover IXP xDRBuilder <NAME> <VERSION> discovered by user <USERNAME> during builder discovery.  
Deleted xDR Builder <NAME>.  
Cannot delete xDR Builder having id <ID>.
### Table 3: User Activity - Security

<table>
<thead>
<tr>
<th>Application</th>
<th>Component</th>
<th>Functionality</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>Security</td>
<td>User</td>
<td>Create</td>
<td>User &lt;USER_ID&gt; created</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Update</td>
<td>User &lt;USER_ID&gt; updated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Remove</td>
<td>User &lt;USER_ID&gt; removed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Logout</td>
<td>Tokens invalidated by administrator.</td>
</tr>
<tr>
<td>Role</td>
<td>Create</td>
<td>Role &lt;ROLE_ID&gt; created</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Update</td>
<td>Role &lt;ROLE_ID&gt; updated</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Remove</td>
<td>Role &lt;ROLE_ID&gt; removed</td>
<td></td>
</tr>
<tr>
<td>Profile</td>
<td>Create</td>
<td>Profile &lt;PROFILE_ID&gt; created</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Update</td>
<td>Profile &lt;PROFILE_ID&gt; updated</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Remove</td>
<td>Profile &lt;PROFILE_ID&gt; removed</td>
<td></td>
</tr>
<tr>
<td>Objects</td>
<td>Owner</td>
<td>Change object owner from &lt;OLD_OWNER&gt; to &lt;NEW_OWNER&gt;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Change owner to &lt;OWNER&gt; for &lt;N&gt; object(s)</td>
<td></td>
</tr>
<tr>
<td>Other actions</td>
<td>Access level</td>
<td>Access level set to &lt;ACCESS_LEVEL&gt;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Purchased token</td>
<td>Purchased token set to &lt;TOKEN_LIMIT&gt;</td>
<td></td>
</tr>
<tr>
<td>NSP Core</td>
<td>NA</td>
<td>Login</td>
<td>Logged into NSP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Access denied : No more available token</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Access denied : Too many tokens used by this user</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Access denied : SERVICE access level required</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Access denied : RESTRICTED access level required</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Access denied : logout by administrator</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Logout</td>
<td>Logout requested</td>
</tr>
<tr>
<td>Application</td>
<td>Component</td>
<td>Functionality</td>
<td>Message</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------</td>
<td>---------------</td>
<td>----------------------------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Navigate</td>
<td>Activate application <code>&lt;APPLICATION_NAME&gt;</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Application <code>&lt;APPLICATION_NAME&gt;</code> released</td>
</tr>
</tbody>
</table>
Chapter 6

Exporting Audit Records

Topics:

• Overview.....40
• How to Export Audit Records.....40
Overview

This chapter provides a procedure for exporting audit records from the NSP to remote systems in one of four selectable formats: CSV, HTML, XML, TXT.

How to Export Audit Records

This procedure gives you a way to export audit records in comma separated variable (CSV) format or in one of three other standard data formats. The result file contains only visible records; active filters are taken into account.

1. Click the record in the Audit list that you want to export shown in the figure below.

![Audit Listing With Export Record Selected](image)

Figure 17: Audit Listing With Export Record Selected

2. Click Export.

The Export Tekelec data window opens shown below.
You must first log into the Network Software Platform (NSP) that uses the ANSI-ISUP protocol. To log into NSP navigate to NSP using your Web browser, and then log in using your NSP userid and password.

3. Select the Export type located in the Choice of data section of the screen.
   You can select:
   a) Current Page
   b) All results
   c) First blank records (the number of records you want to export).

4. Enter file name

5. (Optional) Enter any comments that are related to the export file.

6. Select the Export type from the formats provided.
   You have the option to select
   a) XML format
   b) CSV format
   c) HTML format
   d) TXT (text) format

7. Click Export to start the file transfer.
   An export status pop-up window appears on the screen shown below.
Figure 19: The Export Status Window

There is a progress bar showing the percentage of the data exported.

**Stopping the export Process**

To stop the export process, click **Abort**. The export is stopped.