

**Oracle® Communications
Performance Intelligence Center**

Browser Export Scheduler Guide

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Chapter 1: About this Help Text

Scope and Audience

This guide is designed to assist the user, with roles nspUser (read only), nspPowerUser, nspManager and Administrator, in working with the Browser Export Scheduler application. Beginners and experienced users alike should find the information they need to cover important administration activities required to manage the Browser Export Scheduler application.

General Information

You can find general information about Oracle® Communications Performance Intelligence Center, such as product overview, list of other guides, workstation requirements, login and logout procedures, user preference settings, in the Quick Start Guide. This document is available from the Portal menu or can be downloaded from Oracle Help Center (OHC).

Chapter 2: Understanding Browser Export Scheduler Application

About Browser Export Scheduler Functionality

Browser Export Scheduler app enables you to manage Browser Export Scheduler tasks. You can browse, create, modify and delete tasks. The current release of Browser Export Scheduler only supports xDR export tasks. Browser Export Scheduler enables you to export xDRs retrieved by using selected queries from either a Session or Network View. You can specify a specific task period such as an hour, day, week, month or only one time. When the result is stored into the database you can browse the files using the Exported Files application. The application utilizes a wizard to guide you through the export process using the navigation buttons (previous / next) on the bottom of each screen. The type of export can be in a variety of formats such as: XML, XLS, CSV, HTML, TXT or ZIP. In addition each export can also be exported using FTP transfer.

Note: On the initial screen the previous button is not functional (grayed out).

Opening the Browser Export Scheduler Application

Note: Management Application only supports versions of IE 11.0 or later and Firefox 38 or later. Before using Management Application, turn off the browser pop up blocker for the Management Application site.

The Management Application login screen opens.

Note: To log into Management Application, you must have a Management Application userid and password provided by your system administrator.

Once you have logged into Management Application, the Application Board opens.

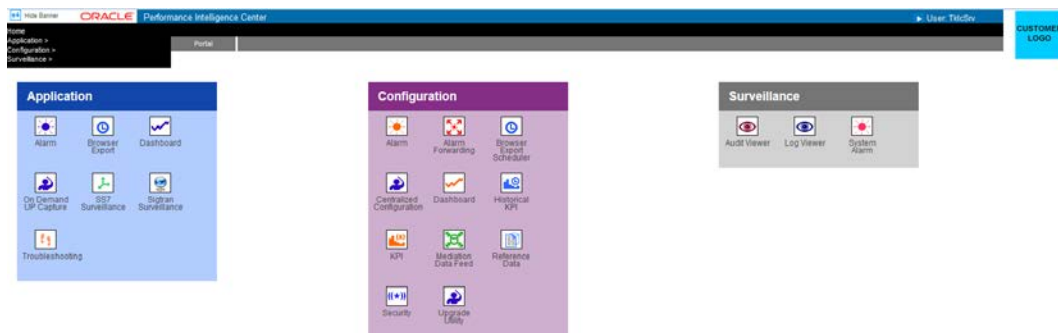
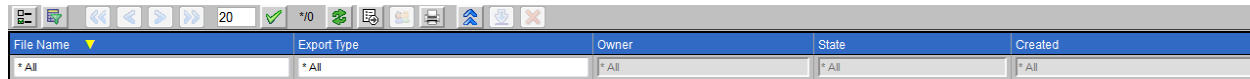


Figure 1: Main Screen

To open the Browser Export Scheduler application, click on the **Browser Export Scheduler** Icon, in the Configuration section of the page. The Main screen opens showing exported files.

Browser Export Scheduler Main Screen



File Name	Export Type	Owner	State	Created
* All	* All	* All	* All	* All

Figure 2: Browser Export Scheduler Main Screen

- Menu bar - that has two menus
- Toolbar - that provides a variety of feature buttons and filtering options
- Task list table - that lists, in table format, scheduled tasks

Menu Bar

The menu bar provides two menus for exporting xDR sessions.

Note: Both the Browser Export and the Browser Export Scheduler applications can have two menu options under the Schedule menu depending on the role that is accessing the application. For the purposes of this help topic, only the Browser Export option is discussed (for the user who has a role of either nspPowerUser or nspManager)

Note: Only users with the roles nspPowerUser or nspManager can export files.

- Browser Export - opens the list of xDR sessions that have been exported from Troubleshooting. From this screen you can manage the sessions.
- Help - provides information about Browser Export and opens online help.

Tool Bar



Figure 3: Browser Export Scheduler Toolbar

The tool bar has the following function buttons:

Select Column - enables you to select only those columns which you want to view and the order in which the columns will appear.

Filter - enables you to create filters for scheduled tasks to make searches convenient

First page - clicking this icon takes you to the first screen of task list table (in a multi-page list)

Previous - clicking this icon opens the previous page of the task list table (in a multi-page list)

Next - clicking this icon opens next page of the task list table (in a multi-page list)

Last page - clicking this icon opens the last page of the task list table (in a multi-page list)

Refresh - enables you to refresh the current screen to see all recent changes. Schedule - enables you to schedule tasks.

Record per page -- Can show up to 500 records on a page.

Create Task - Opens the task wizard that enables you to create a scheduled task.

Modify Task - Opens the modify wizard that enables you to modify an existing task.

Delete Task - Deletes an existing task.

Record Table

The record table provides several columns that you can organize your data records.

Note: The tables that show the tasks are the same and so in these descriptions the term "task" is used. The columns are:

- Task Name - shows the name of the scheduled task (this column can be sorted in ascending or descending order)
- Group - type of task (export of xDRs which is abbreviated SCN)
- Next Fire Time - shows the time that the task will be next initiated.
- Previous Fire Time - shows the time that the task was previously initiated.
- Owner - shows the owner/creator of the task
- State - Shows state of the object that can be obsolete, normal or modified
- Creation Time - shows the date and time when the task was created

Chapter 3: Using Browser Export Scheduler Application

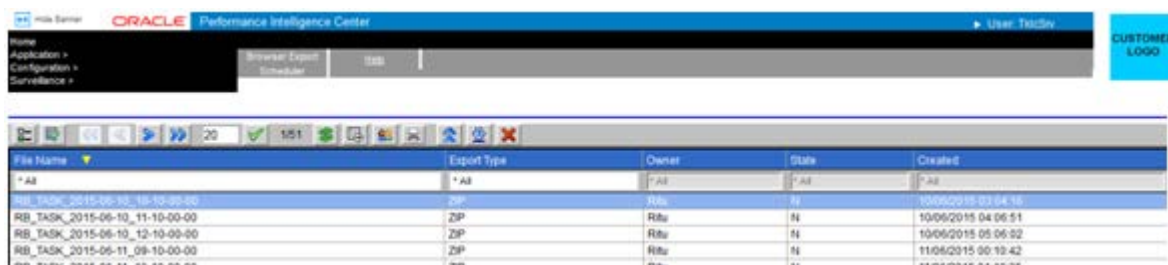
Creating Table Filters for Exported Files and Browser Export Scheduler Tasks

You can create filters to use with your files or tasks. Filters enable you to quickly sort through large numbers of files or tasks. Complete these steps to create a filter to be used with a file or task.

1. Select a **file** or **task** from the interface. The figures show Exported Files and Browser Export Scheduler screens at the first file record highlighted.

Note: The only files that you can view are those that fit your privacy role. For more information on privacy, contact your System Administrator.

2. Click the **Filtering** icon on the tool bar. The System Query Dialog screen opens. With the name of the query in the Name field.



File Name	Export Type	Owner	State	Created
*All	*All	*All	*All	*All
RB_TASK_2015-06-10_10-10-00-00	ZIP	Riku	N	10/06/2015 03:04:16
RB_TASK_2015-06-10_11-10-00-00	ZIP	Riku	N	10/06/2015 04:06:51
RB_TASK_2015-06-10_12-10-00-00	ZIP	Riku	N	10/06/2015 05:06:52
RB_TASK_2015-06-11_09-10-00-00	ZIP	Riku	N	11/06/2015 00:10:42

Figure 4: Exported Files Interface with File List



File Name	Export Type	Owner	State	Created
*All	*All	*All	*All	*All
RB_TASK_2015-06-10_10-10-00-00	ZIP	Riku	N	10/06/2015 03:04:16
RB_TASK_2015-06-10_11-10-00-00	ZIP	Riku	N	10/06/2015 04:06:51
RB_TASK_2015-06-10_12-10-00-00	ZIP	Riku	N	10/06/2015 05:06:52

Figure 5: Browser Export Scheduler Task Interface With Task List

3. (Optional) Enter a **Description**.

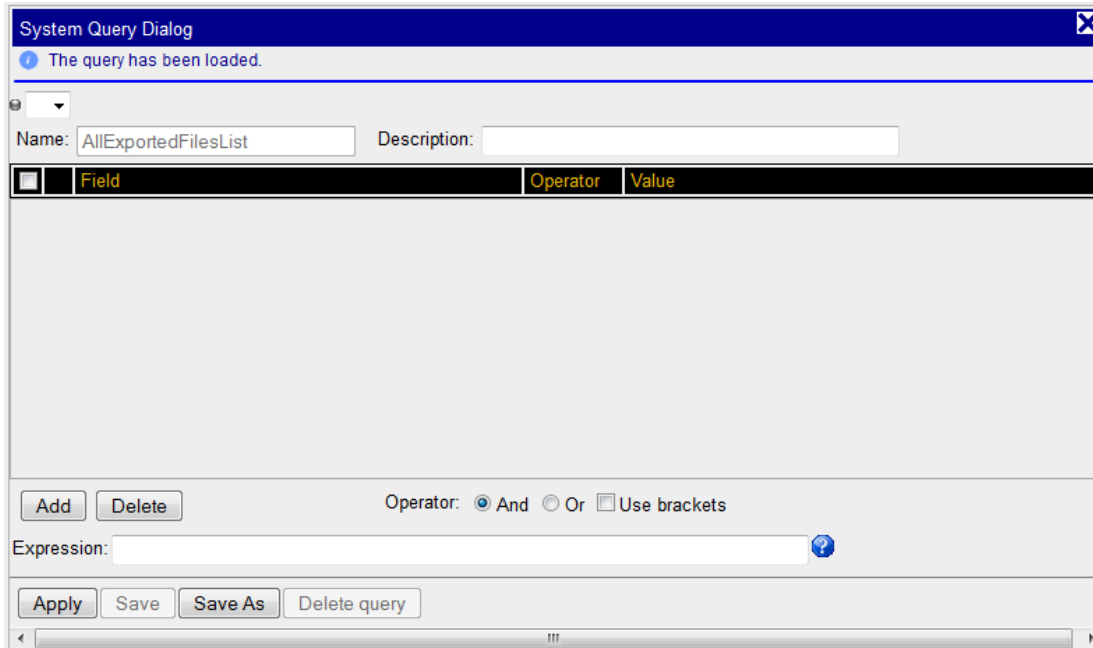


Figure 6: Query Dialog Screen

4. Click Add to create a condition.

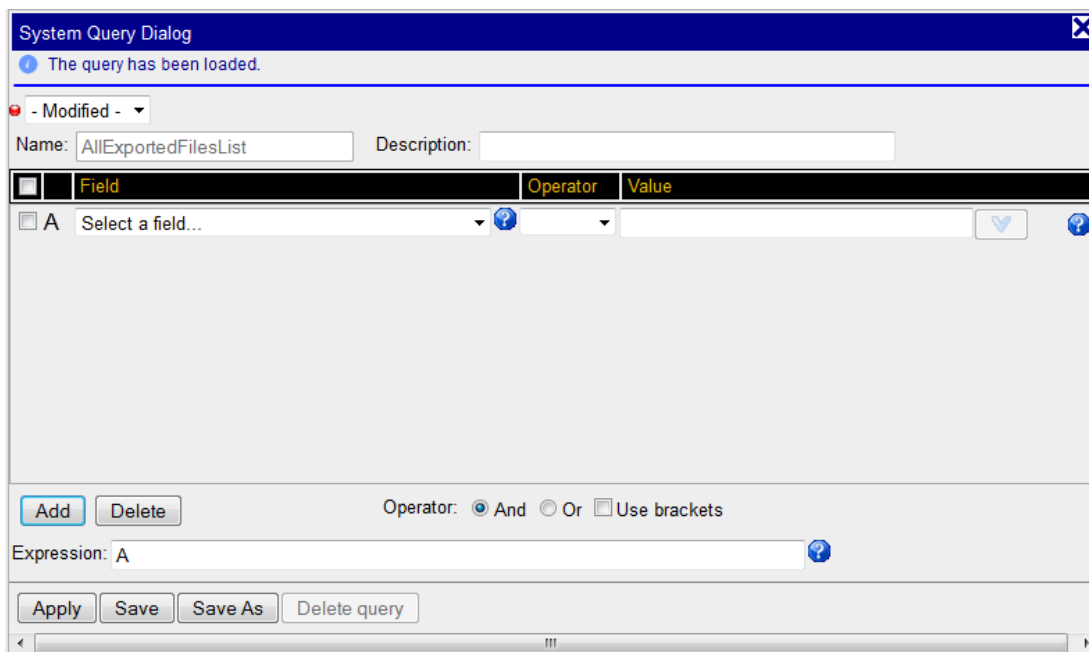


Figure 7: Query Dialog with Filter Parameters

The filter field changes to Modified and the condition parameters appear shown in the figure.

Note: The condition will be added to the expression with the operator "And" or "Or" selected in the radio buttons.

5. Select a **Field**, **Operator** and **Value** for the condition. Repeat steps 4-5 to create multiple conditions.
6. If needed, manually edit the **expression** in the expression field.

7. To save the filter to be used with files, click **Save As**.

Note: To use the filter for immediate use without saving, click **Apply**.

Renaming a query

When you rename an existing query, a new query is created. As a result, two queries will exist. One with the old name and one with the new name.

Modifying a Query

Complete these steps to modify a query.

1. Click **filtering** on the tool bar. The System Query Dialog Screen opens..
2. Select the query from the query drop-down list

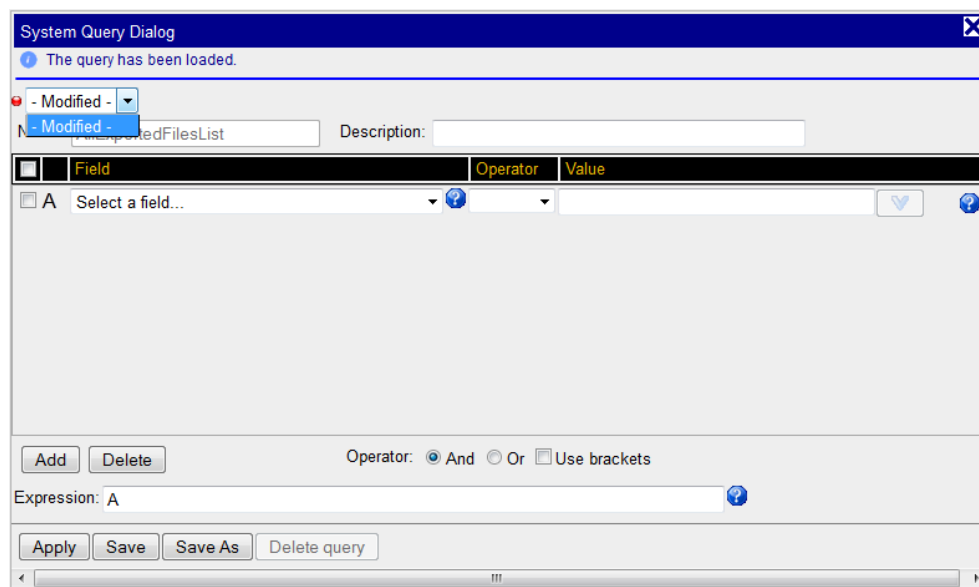


Figure 8: System Query Dialog Screen with drop-down List

3. Make the necessary modifications.
4. Click **Save Query**. The query is modified.

Scheduling a Task

Browser Export Scheduler enables you to schedule tasks and download results of those programs so that you can schedule xDR exports at defined intervals including hourly intervals.

Note: One user can schedule up to a maximum of 10 tasks. You are prompted if you exceed the number of allowed tasks.

Note: The privacy settings associated with your role dictate which created tasks are displayed.

Creating a Scheduled Task

The Browser Export Scheduler application enables you to schedule tasks for specific times. Complete these steps to create a scheduled task.

1. From the main page that shows the tasks, click the **Create Task** icon located on the tool bar. The Scheduling screen appears.

Note: A red x beside the field signifies that the field is not filled in correctly.

2. Type in the Name of the Task

The screenshot shows the 'General' tab of a scheduling interface. At the top, a red error message states 'Some fields are invalid'. Below this is a 'Name' input field with a red 'x' icon. The 'Start schedule from this date/time' section shows '23/06/2015' and '03:00:00' with calendar and clock icons. A 'Periodical schedule' button is highlighted. To the right, a list of 'Next fire times' is shown, ranging from '23/06/2015 03:00:00' to '28/06/2015 03:00:00', followed by a cron expression '0 0 3 ? * MON,TUE,WED,THU,FRI,SAT,SUN'. The 'Fixed period' and 'Advanced scheduling' tabs are visible. Under 'Advanced scheduling', the 'Fire times' field has a red 'x' and '03:00:00'. Radio buttons for 'Execute every day' and 'Day scheduling...' are present. A 'weekly basis' button is selected, and a list of days from Monday to Sunday is shown, all with checkboxes. The 'Thursday' checkbox has a red 'x'.

Figure 9: Scheduling Screen

3. In the Start at section, select the Date and Time when the task will be initiated.

Note: The start time and date can be selected by clicking on the calendar and the clock icons to the right of each field.

Note: The time the task is initiated must be newer than the current time.

4. Select the time interval (hour, day, week, month or one time only)

Note: The export folder must be maintained. If the folder gets too full, random results can occur when scheduling a task for "every hour."

Note: The screen changes for each interval selected.

5. Click the Next. The session screen appears

Previous General **Query target** Query Export data and format selection FTP settings Summary Summary Next Finish

Type
Session

Session Name
No Session Selected ❌

Change Session:

Session	Start date	End date	Dictionary Type	Format	Protocol	Dictionary	Subsystem	User Info
* All	* All	* All	* All	* All	* All	* All	* All	* All
A_ISUP_OUTPUT_SESSION	15/12/2015 00:10:00	15/12/2015 00:10:00	RECONSTITUTION	SINGLE	ISUP ETSI	SS7 ISUP ETSI CDR_7.4.0	ixp0900-1y_Pool	-
A_MAP_OUTPUT_SESSION	18/12/2015 00:10:00	22/12/2015 03:43:36	RECONSTITUTION	SINGLE	MAP ETSI	SS7 MAP TDR_7.2.0	ixp0900-1y_Pool	-
A_RANCC_OUTPUT_SESSION	22/11/2015 07:10:00	22/12/2015 03:53:42	RECONSTITUTION	SINGLE	RAN CC	RAN CC CDR_7.2.5	ixp0900-1y_Pool	-

Figure 10: Session Screen

- Note:**
1. Last calculated time shown as a tooltip for Start date, End date columns denotes the last update time from Mediation
 2. Last refresh in the toolbar displays the last refresh time of the list

6. Select a Session.
7. Click Next. The session query screen opens. Where you select the filter query for the task. At this step you can also create a new filter query by clicking the Filter icon on the tool bar.

Previous General Query target **Query** Export data and format selection FTP settings Summary Summary Next Finish

Query Name
new

Change Query:

Query Name	Query Description	Owner	State	Created
* All	* All			
blank	-	Nitin	N	20/11/2015
new	-	divya	N	19/11/2015

Figure 11: Session Query Screen

8. Select the Query to be used.

Note: If the selected query result is huge then the export may take time. Exported File would be visible only when the export is complete.

9. Click Next. The Export data and format selection screen appears.

Export data and format selection

Start Period Offset End Period Offset

Start Period Offset			End Period Offset		
Day	Hour	Minute	Day	Hour	Minute
7	0	0	0	0	0

Export records

☒ All records ☐ First N records

File name

Title

☐

Comment

Export type

☐ XML ☒ with SU
☐ XLS ☒ full decoding
☐ CSV
☐ HTML
☐ TXT
☒ ZIP

Exported data will be:

☒ Stored in the NSP database
☐ Stored using FTP

Figure 12: Export Data and Format Selection Screen

Note:

- ZIP is only available for users with nspPowerUser role.
- ZIP is not available for the current page option.
- ZIP is available for single dictionary queries only.
- The SU and Full Decoding options are only available for users with nspManager Role.
- The Stored in the Management Application database option is only available for users with nspPower User role.

10. Select Start Period Offset **and** End Period Offset **for the task**.

The start time must be greater than the end time.

The values must be between 0-365, 0-23 and 0-59.

11. Select the Export records option. All records to be included or enter a number for the first "N" records to be included.

Note: The number of records is limited by system constraints (see system constraints).

12. Enter or keep the File Name.

13. (Optional) Select if you want the title name to appear at the beginning of the file (depending on the format used).

14. (Optional) You can enter a comment to provide extra information about the file. (It can also appear in the file result depending on the format used.)

15. Select where you want the task stored. Management Application Database or to a particular site (FTP)

Note: When you select the Stored in the Management Application database option with the ZIP format an xDR session is created which can be viewed in Troubleshooting.

16. Select the Export type (format).

Note:

- ZIP format is not available for queries with multiple dictionaries.

- SU and full decoding options are available only with the text (TXT) or ZIP format. For ZIP format when SU is chosen, the full decoding option is automatically selected.
- SU and full decoding options are only available for users with nspManager privileges.

17. Click Finish. The task appears in the task table.

If the database option is selected and is successfully executed, the task is stored in the Management Application database with the date and time in the suffix of the file name.

Note: Purge will be triggered once the tablespace of NSP_EXPT is reached to 90% and delete some old export files.

Configuring FTP Settings for a Scheduled Task

The Browser Export Scheduler application enables you to export tasks using FTP. Complete these steps to configure the settings for FTP export.

1. From the Export data and format selection screen, select **Stored using FTP** . To a particular site (FTP)
2. Click **Next**. The FTP Settings screen appears.
3. Click **Finish**. The task appears in the task table.

FTP settings

FTP mode

☒ FTP 

☐ SFTP

User name

Password



Host name (or IP)

Port number



Directory path

Figure 13: FTP Settings Screen

4. Select FTP mode. FTP or SFTP

Note: When choosing a sftp server, if you need to configure it, see the installation document.

5. Enter the User Name for login.

6. Enter the Password for the login.
7. Enter the Host Name or an IP Address.
8. Enter the Port Number if there is one.
9. Enter the Directory Path (if needed).
10. Click Next.

The result of the export is sent to the FTP or SFTP with the Suffix of the date and time. For example:
yyyy-mm-dd_hh_mm_Name.

Modifying a Task

Complete these steps to modify a task.

1. Select the **task** to be modified from the *Task List*.
2. Click **Modify**.
3. Make the necessary modifications.
4. Click **Apply**. The changes are saved.

Deleting a Task

Complete these steps to delete a task from a Task List

1. Select the **task** to be modified from the *Task List*.
2. Click **Delete**.
3. Click **OK**. The query is deleted and the results are stored in the database.

Exporting the Content of the Task List

Complete these steps to export the content of a task list.

1. Click **Export** on the tool bar.
2. Select the **Choice of data** to be exported. You can choose:
 - a) Current page
 - b) All results
 - c) First records

Note: If you select *First records* type in a number for the number of records that will be exported. For example, entering the number 100 designates that only the first 100 records are to be exported.

Note: The export folder must be maintained. If the folder gets too full, random results can occur when scheduling a task for "every hour."

Note: Any session name created for this file is greater than 30 characters is truncated.

3. (Optional - dependent on export format) Select "Enter" a title and enter the title of the export.
4. (Optional-dependent on export format) You can select whether to have the title inserted at the beginning of the exported file by selecting the option by the Title field.
5. (Optional-dependent on export format) You can type a comment or description in the Comments field.

Note: The file is saved in the same extension type as in the list.

6. Select the format type in the *Choose an Export Type* section: Formats are listed here:

- a) XML
- b) XLS
- c) CSV
- d) HTML
- e) TXT

7. Click **Export** to make the export effective.

System Export Constraints

The table shows the system export limits for each format for one task.

Format	Max. # of xDRs for Scheduled Exports
ZIP	1,000,000
TXT	100,000
XML	10,000
HTML	10,000
CSV	1, 000,000
XLS	65,535

Table 1: System Export Format Limits

Appendix A: My Oracle Support

MOS (<https://support.oracle.com>) is your initial point of contact for all product support and training needs. A representative at Customer Access Support (CAS) can assist you with MOS registration.

Call the CAS main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at <http://www.oracle.com/us/support/contact/index.html>. When calling, make the selections in the sequence shown below on the Support telephone menu:

1. Select 2 for New Service Request
2. Select 3 for Hardware, Networking and Solaris Operating System Support
3. Select 2 for Non-technical issue

You will be connected to a live agent who can assist you with MOS registration and provide Support Identifiers. Simply mention you are a Tekelec Customer new to MOS.

MOS is available 24 hours a day, 7 days a week.