Oracle® Communications
Diameter Signaling Router
Releases 5.1/6.0/7.0/7.1/7.2/7.2
DSR FABR Feature Activation Procedure
E58664 Revision 04

July 2016
Oracle Communications Diameter Signaling Router FABR feature activation procedure, Releases 5.1/6.0/7.0/7.1/7.2/7.3
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See more information on MOS in the Appendix section.
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1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

This document defines the procedure that is executed to activate the Full-Address Based Resolution (FABR) feature on a DSR network element (NE). This procedure may be run either 1) as part of a new DSR installation, after the standard DSR installation is complete but before the NE is in service, or 2) on an in-service DSR NE, where the FABR feature is activated during a planned maintenance window to minimize the impact to network traffic.

This document also provides a procedure to deactivate FABR after it has been activated. Please see Section 3.0 for a discussion of deactivation.

Configuration of FABR and ComAgent following successful activation is beyond the scope of this document. After successful activation, the crafts person is expected to configure ComAgent and FABR in that order for proper operation of FABR by following [1].

No additional software installation is required prior to executing this procedure. The standard DSR installation procedure has loaded all of the required software, even if the FABR feature is activated at a later time.

1.2 REFERENCES

### 1.3 ACRONYMS

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<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>BNS</td>
<td>Broadband Networking Solutions</td>
</tr>
<tr>
<td>DA-MP</td>
<td>Diameter Agent Message Processor</td>
</tr>
<tr>
<td>DB</td>
<td>Database</td>
</tr>
<tr>
<td>DP</td>
<td>Data Processor</td>
</tr>
<tr>
<td>DSR</td>
<td>Diameter Signaling Router</td>
</tr>
<tr>
<td>FABR</td>
<td>Full-Address Based Resolution</td>
</tr>
<tr>
<td>FOA</td>
<td>First Office Application</td>
</tr>
<tr>
<td>GUI</td>
<td>Graphical User Interface</td>
</tr>
<tr>
<td>HA</td>
<td>High Availability</td>
</tr>
<tr>
<td>IMI</td>
<td>Internal Management Interface</td>
</tr>
<tr>
<td>IP</td>
<td>Internet Protocol</td>
</tr>
<tr>
<td>MP</td>
<td>Message Processing or Message Processor</td>
</tr>
<tr>
<td>NE</td>
<td>Network Element</td>
</tr>
<tr>
<td>NOAM</td>
<td>Network OAM</td>
</tr>
<tr>
<td>OAM</td>
<td>Operations, Administration and Maintenance</td>
</tr>
<tr>
<td>SDS</td>
<td>Subscriber Database Server</td>
</tr>
<tr>
<td>SOAM</td>
<td>System OAM</td>
</tr>
<tr>
<td>SSH</td>
<td>Secure Shell</td>
</tr>
<tr>
<td>UI</td>
<td>User Interface</td>
</tr>
<tr>
<td>VIP</td>
<td>Virtual IP</td>
</tr>
<tr>
<td>VPN</td>
<td>Virtual Private Network</td>
</tr>
<tr>
<td>XMI</td>
<td>External Management Interface</td>
</tr>
</tbody>
</table>
1.4 TERMINOLOGY

Table 2. Terminology

<table>
<thead>
<tr>
<th>Communication Agent</th>
<th>An EXG common infrastructure component delivered as part of a common plug-in that uses the COMCOL MX framework in support of communicating Stack Events between EXG application processes on different servers.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ComAgent</td>
<td>Same as Communication Agent</td>
</tr>
<tr>
<td>SOAM</td>
<td>System Operations and Maintenance</td>
</tr>
</tbody>
</table>

1.5 GENERAL PROCEDURE STEP FORMAT

Where it is necessary to explicitly identify the server on which a particular step is to be taken, the server name is given in the title box for the step (e.g. “ServerX” in Figure 1. Example of a procedure step).

*Each step has a checkbox for every command within the step that the technician should check to keep track of the progress of the procedure.*

The title box describes the operations to be performed during that step.

*Each command that the technician is to enter is in 10 point bold Courier font.*

---

5  

| ServerX: Connect to the console of the server | Establish a connection to the server using cu on the terminal server/console. | $ cu -l /dev/ttyS7 |
|-----------------------------------------------|-------------------------------------------------------------------------------|--|-------------------------|

---

Figure 1. Example of a procedure step
2.0 FEATURE ACTIVATION OVERVIEW

This section lists the required materials and information needed to execute the feature activation. In addition, Table 3. Pre-Feature Activation Overview through Table 8. Post-Feature Deactivation Overview provide estimates of the time required to execute the procedure. These tables can be used to estimate the total time necessary to complete the feature activation. The timing values shown are estimates only – use these tables to plan the timing of the activation, not to execute the procedure. The detailed procedure steps to be executed begin in Section 5.0.

2.1 DEFINITION OF ACTIVATION FOR THE FABR FEATURE

The precise meaning of activation varies from feature to feature. This section briefly defines what activation means with respect to the FABR feature.

The main components of a FABR system include the FABR (DSR) application, the subscriber database (hosted by the DP/SDS system that supports one or more DPs), and finally the ComAgent which provides reliable connectivity and load sharing of multiple DP servers from FABR application.

ComAgent is a component which is also used by other features to enable connectivity to servers required by such features. Hence ComAgent, as a component, is not unique to FABR. However certain aspects of this component are utilized by FABR to provide connectivity to the DP servers. Configuration/provisioning of these aspects of ComAgent is beyond the scope of this document. However the activation procedure will initialize the ComAgent component in such a way that it will become possible to further configure/provision this component for use by FABR.

The configuration and setup of the DP/SDS is beyond the scope of this document, the configuration and setup of FABR (DSR) application and ComAgent (on DSR) post activation is beyond the scope of this document.

All software required to run FABR is available by default as part of a DSR release installation or upgrade (This includes the ComAgent libraries and GUI/OAM code required to configure communication with the subscriber database). The process of activating the feature simply makes proper use of software elements and file system files that are already present, to change the behavior of the DSR NE.

Prior to FABR feature activation, there are no FABR menu items visible on the SOAM GUI, and there is no FABR-related processing taking place on the DA-MP(s).

All ComAgent-related menu items are present on the NOAM GUI, allowing full ComAgent configuration and provisioning. The ComAgent managed objects are under the “Communication Agent” folder on the GUI menu. For the ComAgent, this means that the top level “Communication Agent” folder is visible on the Main Menu, i.e., the ComAgent “Configuration” screens (Remote Servers, Connection Groups, and Routed Services), and the ComAgent “Maintenance” screens (Connection Status, Routed Services Status, HA Services Status) are visible.

After feature activation, all selectable FABR menu items are present on the SOAM GUI, allowing full FABR configuration and provisioning. Specifically, for FABR application, the top-level FABR folder is visible on the Main Menu, and a new entry is added to the Diameter->Maintenance->Applications table, showing FABR and its state. After successful feature activation, a Connection Group named “DpSvcGroup” will be added, to the Connection Groups screen, a Routed Service named “DpService” will be added to the Routed Services screen and will be mapped to use the “DpSvcGroup” Connection Group at default priority 10.
After activation:

The DA-MP(s) are prepared to act on FABR and ComAgent configuration and provisioning information entered at and replication from the NOAM (in case of comAgent configuration/provisioning) and SOAM (in case of FABR configuration/provisioning).

Important: once the FABR feature is activated, it is not automatically enabled. Activation simply means the mechanism for provisioning FABR behavior is in place. But the DA-MP(s) will act on FABR provisioning information only after FABR has been enabled (via the Diameter->Maintenance->Applications screen). FABR should not be enabled until after the appropriate provisioning data has been entered. FABR provisioning is beyond the scope of this document. Further more, for proper operation of FABR, Communication Agent and FABR application assumes that the Remote Servers IP addresses are routable/reachable. However these networking setup/concerns are beyond the scope of the activation procedure.

2.2 FEATURE ACTIVATION OVERVIEW

2.2.1 Pre-Feature Activation Overview

The pre-activation procedures shown in the following table may be executed outside a maintenance window if desired. Procedure completion times shown here are estimates. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours: Minutes)</th>
<th>Activity</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This Step</td>
<td>Cum.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0:00-0:20</td>
<td>0:00-0:20</td>
<td></td>
</tr>
<tr>
<td>System Topology Check (Procedure 1)</td>
<td></td>
<td>Feature Activation Preparation</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Verify Network Element Configuration data.</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Verify System Group Configuration data.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Analyze and plan DA-MP restart sequence.</td>
<td></td>
</tr>
<tr>
<td>Perform Health Check (Procedure 2)</td>
<td>0:01-0:05</td>
<td>0:21-1:05</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Verify DSR Release.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Verify Server status.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Log all current alarms.</td>
<td></td>
</tr>
</tbody>
</table>
2.2.2 Feature Activation Execution Overview

The procedures shown in the following table are executed inside a single maintenance window. Procedure completion times shown here are estimates. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours: Minutes)</th>
<th>Activity</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Step</strong></td>
<td><strong>Cum.</strong></td>
<td>Feature Activation Execution</td>
<td></td>
</tr>
</tbody>
</table>
| Perform Health Check (Procedure 3) | 0:01-0:05 | 0:01-0:05 | • Verify DSR Release.  
• Verify proper FABR feature state.  
• Verify Server status.  
• Log all current alarms. | None |
| Feature Activation (Procedure 4) | 0:10-0:40 | 0:11-0:50 | • Log out of NOAM/SOAM GUI.  
• SSH to Active NOAM.  
• Log in as admusr.  
• Change directory to /usr/TKLC/dsr/prod/maint/loaders/.  
• Execute the feature activation script.  
• Log into SOAM GUI.  
• Verify the FABR Folder.  
• Verify Maintenance screen.  
• Log into NOAM GUI.  
• Restart each active DA-MP server.  
• Verify Maintenance screen.  
• Close SSH connections to NOAM. | FABR is activated |
2.2.3 Post-Feature Activation Overview

The procedures shown in the following table are executed inside a maintenance window. Procedure completion times shown here are estimates. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours: Minutes)</th>
<th>Activity</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This Step Cum.</td>
<td>Feature Activation Completion</td>
<td></td>
</tr>
<tr>
<td>Perform Health Check</td>
<td>0:01- 0:05 0:01- 0:05</td>
<td>• Verify Server status.</td>
<td>FABR has been activated on DSR</td>
</tr>
<tr>
<td>(Procedure 5)</td>
<td></td>
<td>• Log all current alarms.</td>
<td></td>
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3.0 FEATURE DEACTIVATION OVERVIEW

3.1.1 Pre-Feature Deactivation Overview

The procedures shown in the following table are executed inside a maintenance window. Deactivation procedure times are only estimates as the reason to execute a deactivation has a direct impact on any additional deactivation preparation that must be done. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours or Minutes)</th>
<th>Activity</th>
<th>Impact</th>
</tr>
</thead>
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<tr>
<td></td>
<td>This Step Cum.</td>
<td>Deactivation Procedures</td>
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</tr>
<tr>
<td>Perform Health Check</td>
<td>0:01- 0:05 0:01- 0:05</td>
<td>• Verify DSR Release.</td>
<td>None</td>
</tr>
<tr>
<td>(Procedure 6)</td>
<td></td>
<td>• Verify proper FABR feature state.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Verify server status.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Log current alarms.</td>
<td></td>
</tr>
</tbody>
</table>
3.1.2 Feature Deactivation Execution Overview

The procedures shown in the following table are executed inside a maintenance window. Deactivation procedure times are only estimates as the reason to execute a deactivation has a direct impact on any additional deactivation preparation that must be done. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours or Minutes)</th>
<th>Activity</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deactivation Setup</td>
<td>0:10-0:30</td>
<td>The reason to deactivate has a direct impact on any additional backout preparation that must be done. Since all possible reasons cannot be predicted ahead of time, only estimates are given here. Execution time will vary.</td>
<td>None</td>
</tr>
<tr>
<td>Deactivation (Procedure 7)</td>
<td>00:10-00:40</td>
<td>Log out of Active NOAM/SAOM GUI. SSH into active NOAM. Log in as admusr. Change directory to /usr/TKLC/dsr/prod/maint/loaders/. Execute the feature deactivation script. Log into NOAM Or SOAM GUI. Verify the FABR folder. Log into NOAM GUI. Restart each active DA-MP server. Verify Maintenance screen.</td>
<td>FABR is deactivated</td>
</tr>
</tbody>
</table>

3.1.3 Post-Feature Deactivation Overview

The procedures shown in the following table are executed inside a maintenance window. Deactivation procedure times are only estimates as the reason to execute a deactivation has a direct impact on any additional deactivation preparation that must be done. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours or Minutes)</th>
<th>Activity</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perform Health Check</td>
<td>0:01-0:05</td>
<td>Verify Server status.</td>
<td>None</td>
</tr>
<tr>
<td>(Procedure 8)</td>
<td></td>
<td>Log all current alarms.</td>
<td></td>
</tr>
</tbody>
</table>
4.0 FEATURE ACTIVATION PREPARATION

This section provides detailed procedures to prepare a system for FABR feature activation. These procedures are executed outside a maintenance window.

4.1 SYSTEM TOPOLOGY CHECK

This procedure is part of feature activation preparation and is used to verify the system topology of the DSR network and servers.

Procedure 1: System Topology Check

<table>
<thead>
<tr>
<th>STEP #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>NOAM VIP GUI: Login</td>
</tr>
</tbody>
</table>

Establish a GUI session on the NOAM server by using the VIP IP address of the NOAM server. Open the web browser and enter a URL of:

http://<Primary_NOAM_VIP_IP_Address>

Login as the guiadmin user:

Oracle System Login

Welcome to the Oracle System Login.

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## Procedure 1: System Topology Check

<table>
<thead>
<tr>
<th></th>
<th>NOAM VIP GUI:</th>
<th>Navigate to Main Menu -&gt; Configuration -&gt; Network Elements</th>
</tr>
</thead>
</table>
| 2 | Verify Network Configuration Data | ![Configuration Menu](image1)

Click the **Report** button.

[Insert] [Delete] [Export] [Report]

Verify the configuration data is correct for your network.

*Save* or *Print* this report, keep copies for future reference.

<table>
<thead>
<tr>
<th></th>
<th>NOAM VIP GUI:</th>
<th>Navigate to Main Menu -&gt; Configuration -&gt; Server Groups</th>
</tr>
</thead>
</table>
| 3 | Verify Server Configuration | ![Configuration Menu](image2)

Click the **Report** button.

[Insert] [Edit] [Delete] [Report]

Verify the configuration data is correct for your network.

*Save* or *Print* this report, keep copies for future reference.
## Procedure 1: System Topology Check

<table>
<thead>
<tr>
<th>Step</th>
<th>Task Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 □</td>
<td><strong>Analyze and plan DA-MP restart sequence</strong>&lt;br&gt;<strong>Analyze system topology and plan for any DA-MPs which will be out-of-service during the feature activation sequence.</strong>&lt;br&gt;<strong>Analyze system topology gathered in Steps 2 and 3.</strong>&lt;br&gt;<strong>Determine exact sequence which DA-MP servers will be restarted (with the expected out-of-service periods).</strong>&lt;br&gt;<strong>Note:</strong> It is recommended that no more than 50% of the MPs be restarted at once.</td>
</tr>
</tbody>
</table>
4.2 PERFORM HEALTH CHECK

This procedure is part of feature activation preparation and is used to determine the health and status of the DSR release network and servers. This may be executed multiple times but must also be executed at least once within the time frame of 24-36 hours prior to the start of the maintenance window in which the feature activation will take place.

Procedure 2: Perform Health Check (Feature Activation Preparation)

This procedure provides steps to perform needed health checks.

Check off (✓) each step as it is completed. Boxes have been provided for this purpose under each step number.

If this procedure fails, contact Appendix A. My Oracle Support (MOS), and ask for assistance.

1. **NOAM VIP GUI:**
   - Establish a GUI session on the NOAM server by using the VIP IP address of the NOAM server. Open the web browser and enter a URL of:
     
     \[
     \text{http://<Primary_NOAM_VIP_IP_Address>}
     \]

   - Login as the `guiadmin` user:

     ![Oracle System Login](image)

     **Welcome to the Oracle System Login**

     Unauthorized access is prohibited. This Oracle system requires the use of Microsoft Internet Explorer 8.0, 9.0, or 10.0 with support for Javascript and cookies.

     Oracle and Java are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
Procedure 2: Perform Health Check (Feature Activation Preparation)

Navigate to `Main Menu -> Status & Manage -> Server`

Verify all Server Status is Normal (Norm) for:
- Alarm (Alm)
- Database (DB)
- Replication Status
- Processes (Proc)

<table>
<thead>
<tr>
<th>App State</th>
<th>Alm</th>
<th>DB</th>
<th>Reporting Status</th>
<th>Proc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
</tbody>
</table>

Do not proceed to feature activation if any of the above states are not Norm. If any of these are not Norm, corrective action should be taken to restore the non-Norm status to Norm before proceeding with the feature activation.

If the Alarm (Alm) status is not Norm but only Minor alarms are present, it is acceptable to proceed with the feature activation. If there are Major or Critical alarms present, these alarms should be analyzed prior to proceeding with the feature activation. The activation may be able to proceed in the presence of certain Major or Critical alarms. Contact [Appendix A](#) for assistance as necessary.

Contact [Oracle Support (MOS)](#) for assistance as necessary.
**Procedure 2: Perform Health Check (Feature Activation Preparation)**

<table>
<thead>
<tr>
<th>3</th>
<th>NOAM VIP GUI: Log Current Alarms</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Navigate to <strong>Main Menu -&gt; Alarms &amp; Events -&gt; View Active</strong></td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Alarms &amp; Events Menu" /></td>
</tr>
<tr>
<td></td>
<td>Click on the <strong>Report</strong> button</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Report Button" /></td>
</tr>
<tr>
<td></td>
<td><strong>Save</strong> or <strong>Print</strong> this report, keep copies for future reference.</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Print, Save, Back Buttons" /></td>
</tr>
</tbody>
</table>
5.0 FEATURE ACTIVATION

Before feature activation, perform the system health check in Section 4.2. This check ensures that the system is ready for feature activation. Performing the system health check determines which alarms are present in the system and if feature activation can proceed with alarms.

**** WARNING *****

If there are servers in the system which are not in Normal state, these servers should be brought to the Normal or the Application Disabled state before the feature activation process is started.

If alarms are present on the server, contact Appendix A. My Oracle Support (MOS)

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, there are multiple layers of menus selections. Make the selections in the sequence shown below on the Support telephone menu:

1. For the first set of menu options, select 2, “New Service Request”. You will hear another set of menu options.
3. In the third set of options, select 2, “Non-technical issue”. Then 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.

Please read the following notes on feature activation procedures:

- Where possible, command response outputs are shown as accurately as possible. EXCEPTIONS are as follows:
  - Session banner information such as time and date.
  - System-specific configuration information such as hardware locations, IP addresses and hostnames.
  - ANY information marked with “XXXX” or “YYYY.” Where appropriate, instructions are provided to determine what output should be expected in place of “XXXX or YYYY.”
  - Aesthetic differences unrelated to functionality such as browser attributes: window size, colors, toolbars and button layouts.
- After completing each step and at each point where data is recorded from the screen, the technician performing the feature activation must initial each step. A check box should be provided. For procedures which are executed multiple times, the check box can be skipped, but the technician must initial each iteration the step is executed. The space on either side of the step number can be used (margin on left side or column on right side).
- Captured data is required for future support reference.
### 5.1 PRE-ACTIVATION PROCEDURES

#### 5.1.1 Perform Health Check

This procedure is used to determine the health and status of the network and servers. This must be executed at the start of every maintenance window.

**Note:** The Health Check procedure below is the same as the Health Check procedure described in Section 4.2 when preparing for feature activation, but it is repeated here to emphasize that it is being re-executed if Section 4.2 was performed outside the maintenance window.

**Procedure 3: Perform Health Check (Pre Feature Activation)**

<table>
<thead>
<tr>
<th>STEP #</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>SOAM VIP GUI:</strong> Login</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Oracle System Login" /></td>
</tr>
<tr>
<td>2</td>
<td><strong>NOAM VIP GUI:</strong> Verify FABR Folder is not Present</td>
</tr>
</tbody>
</table>
Procedure 3: Perform Health Check (Pre Feature Activation)

3 NOAM VIP GUI: Login

Establish a GUI session on the NOAM server by using the VIP IP address of the NOAM server. Open the web browser and enter a URL of:

```
http://<Primary_NOAM_VIP_IP_Address>
```

Login as the **guiadmin** user:

![Oracle System Login](image-url)
Procedure 3: Perform Health Check (Pre Feature Activation)

| 4 | NOAM VIP GUI: Verify Server Status |

Navigate to **Main Menu -> Status & Manage -> Server**

![Diagram of NOAM VIP GUI]

Verify all Server Status is Normal (Norm) for:
- Alarm (Alm), Database (DB), Replication Status, and Processes (Proc).

<table>
<thead>
<tr>
<th>App State</th>
<th>Alm</th>
<th>DB</th>
<th>Reporting Status</th>
<th>Proc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
</tbody>
</table>

Do not proceed to feature activation if any of the above states are not Norm. If any of these are not Norm, corrective action should be taken to restore the non-Norm status to Norm before proceeding with the feature activation.

If the Alarm (Alm) status is not Norm but only Minor alarms are present, it is acceptable to proceed with the feature activation. If there are Major or Critical alarms present, these alarms should be analyzed prior to proceeding with the feature activation. The activation may be able to proceed in the presence of certain Major or Critical alarms. Contact **My Oracle Support (MOS)** for assistance as necessary.
### Procedure 3: Perform Health Check (Pre Feature Activation)

<table>
<thead>
<tr>
<th>Step</th>
<th>Task</th>
<th>Navigation Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td><strong>NOAM VIP GUI: Verify Server Configuration</strong></td>
<td><strong>Navigate to</strong> Main Menu -&gt; Configuration -&gt; Server Groups</td>
</tr>
<tr>
<td></td>
<td>Verify the configuration data is correct for your network.</td>
<td><img src="image" alt="Configuration Menu" /></td>
</tr>
</tbody>
</table>

| 6    | **NOAM VIP GUI: Log Current Alarms**                                 | **Navigate to** Main Menu -> Alarms & Events -> View Active                      |
|      | Click on the **Report** button                                      | ![Alarms & Events Menu](image)                                                 |
|      | **Save** or **Print** this report, keep copies for future reference. | ![Save and Print Buttons](image)                                               |
5.1.2 Activation Procedures
This section provides the detailed procedure steps of the feature activation execution. These procedures are executed inside a maintenance window.

5.1.3 Feature Activation
Detailed steps for FABR feature activation are given in the procedure below.

Procedure 4: Feature Activation

<table>
<thead>
<tr>
<th>STEP #</th>
<th>NOAM/SOAM VIP GUI: Logout</th>
<th>NOAM VIP: Establish an SSH session</th>
<th>NOAM VIP: Navigate to the Feature Activation Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Logout of any active NOAM and/or SOAM GUI Sessions:</td>
<td>Establish an SSH session to the NOAM VIP. Login as admusr.</td>
<td>Navigate to the feature activation directory by executing the following command:</td>
</tr>
<tr>
<td></td>
<td>Welcome guiadmin [Logout]</td>
<td></td>
<td>$ cd /usr/TKLC/dsr/prod/maint/loaders/</td>
</tr>
</tbody>
</table>
### Procedure 4: Feature Activation

<table>
<thead>
<tr>
<th>NOAM VIP: Execute the Feature Activation Script</th>
</tr>
</thead>
</table>

Run the feature activation script by executing the following command:

```
$ ./featureActivateDeactivate
```

Choose **Activate**

You want to Activate or Deactivate the Feature:
1. Activate
2. Deactivate

Enter your choice: [ ]

Choose **FABR**

List of Feature you can Activate:
1. CPA
2. RBAR
3. FABR
4. Mediation
5. LoadGen
6. GLA
7. MAP Interworking

Enter the choice: [ ]

Choose the SOAM site for which the application will be activated:

**Note:** As an alternative, you can also activate on all SOAM sites:

The active SO server configured in the topology are:

---
1. Cetta-50-2
2. AII 50

Enter your choice on which SO you want to Activate or Deactivate the Feature: [ ]

Refer to **Section 7.1** for output Example.
Procedure 4: Feature Activation

5

Active SOAM GUI: Login

Establish a GUI session on the active SOAM server by using IP address of the SOAM server. Open the web browser and enter a URL of:

http://<Active_SOAM_IP_Address>

Login as the guiadmin user:

![Oracle System Login]

Welcome to the Oracle System Login.
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6

Active SOAM GUI: Verify the FABR Folder is Visible

Locate and verify the FABR folder from Main Menu is visible and the configuration folder items are present

![FABR Folder]

Applications
Exceptions
Default Destinations
Address Resolutions
System Options
Procedure 4: Feature Activation

7  Active SOAM GUI: Verify Application Maintenance Screen is Visible

- Verify the FABR Application is present in the Application Status screen.

- Navigate to Main Menu -> Diameter -> Maintenance -> Applications.

- Enter the following data should be displayed:
  - Admin State = Disabled
  - Operational State = Unk
  - Operational Reason = Unk
  - Congestion Level = Unk

- Select the MP servers on which FABR is present, use [Ctrl] to select multiple servers at once.

- Click the Enable button

Note: If ComAgent remote server DP connections have not already been setup, you will receive the following status after enabling:

Note: If not already done so, follow [1] to configure the needed ComAgent connections.

8  Standby SOAM GUI: Repeat Verification Steps

- Repeat Steps 5-7 for the Standby SOAM

Note: If the verifications for the standby SOAM differ from the Active SOAM, stop and contact My Oracle Support (MOS)

9  Spare SOAM GUI: Verify and Activate

- Repeat Steps 5-7 for any spare SOAMs present.

Note: For DSR 7.1/7.2, skip this step.

For DSR 5.1, 6.0, and 7.0, you will have to run the following command to activate FABR on each spare SOAM:

Note: For DSR 7.1/7.2, skip this step.

$ cd /usr/TKLC/dsr/prod/maint/loaders/activate
$ ./load.fabrActivateBsourced
## Procedure 4: Feature Activation

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>SOAM VIP GUI: Login</td>
<td>Establish a GUI session on the SOAM server by using the VIP IP address of the SOAM server. Open the web browser and enter a URL of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>http://&lt;Primary_SOAM_VIP_IP_Address&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Login as the <code>guiadmin</code> user:</td>
</tr>
</tbody>
</table>

![Oracle System Login](image-url)
### Procedure 4: Feature Activation

<table>
<thead>
<tr>
<th>Step</th>
<th>Task Description</th>
</tr>
</thead>
</table>
| 12   | **SOAM VIP GUI:** Restart DA-MPs
Muliple iterations of this step may be executed during the feature activation procedure. This is dependent on the number of DA-MP servers within your system. Make a written record of the number of times the step was performed. It is recommended that no more than 50% of the DA-MPs be restarted at once.

Navigate to **Main Menu -> Status & Manage -> Server**

Select the desired DA-MPs, you can use 'Ctrl' to select multiple DA-MPs at once.

Click the **Restart** button.

Verify the Server changes to the Err state and wait until it returns to the Enabled/Norm state.

Repeat for the additional DA-MPs.

| 13   | **Complete FABR Configuration** |

Follow the instructions in [1] to complete FABR configuration.
Procedure 4: Feature Activation

13

**SOAM VIP GUI:**
Verify Application Maintenance Screen is Visible

Assuming SDS is installed, and ComAgent Remote server connections are configured, the following should be displayed.

Navigate to **Main Menu -> Diameter -> Maintenance -> Applications**

![Main Menu Screenshot]

Verify FABR status is initialized. The following data should be displayed:

Admin State = Enabled  
Operational State = Available  
Operational Reason = Normal  
Congestion Level = Normal

![FABR Status Table]

|------|--------------|---------|-----------|--------|--------|--------------------------|
### 5.2 POST-ACTIVATION PROCEDURES

#### 5.2.1 Perform Health Check

This procedure is used to determine the health and status of the DSR release network and servers.

**Procedure 5: Perform Health Check (Post-Feature Activation)**

<table>
<thead>
<tr>
<th>STEP #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>NOAM VIP GUI: Establish a GUI session on the NOAM server by using the VIP IP address of the NOAM server. Open the web browser and enter a URL of:</td>
</tr>
<tr>
<td></td>
<td><strong>http://&lt;Primary_NOAM_VIP_IP_Address&gt;</strong></td>
</tr>
<tr>
<td></td>
<td>Login as the <strong>guiadmin</strong> user:</td>
</tr>
</tbody>
</table>

![Oracle System Login](image)
Procedure 5: Perform Health Check (Post-Feature Activation)

2

NOAM VIP GUI: Verify Server Status

Navigate to Main Menu -> Status & Manage -> Server

Verify all Server Status is Normal (Norm) for:
Alarm (Alm), Database (DB), Replication Status, and Processes (Proc).

3

NOAM VIP GUI: Log Current Alarms

Navigate to Main Menu -> Alarms & Events -> View Active

Click on the Report button

Save or Print this report, keep copies for future reference.

Compare this alarm report with those gathered in the pre-activation procedures. Contact My Oracle Support (MOS) if needed.
6.0 FEATURE DEACTIVATION

Execute this section only if there is a problem and it is desired to revert back to the pre-activation version of the software. In general, as long as there are no Application Routing Rules using the FABR application, it will have no impact on the system and does not need to be deactivated. The deactivation procedure will cause all the FABR related configuration data (including the ComAgent DP service related configuration and Application Routing Rules using FABR) to be removed. The crafts person must ensure that this is acceptable.

6.1 PRE-DEACTIVATION PROCEDURES

Before beginning the feature deactivation, complete the Pre-Deactivation procedure below.

6.1.1 Perform Health Check
This procedure is used to determine the health and status of the DSR network and servers.
6.2 DEACTIVATION PROCEDURES

6.2.1 Feature Deactivation
This section provides the detailed steps of the FABR de-activation procedures.

Procedure 6: Perform Health Check (Pre-Feature Deactivation)

This procedure performs a Health Check.

Check off (✓) each step as it is completed. Boxes have been provided for this purpose under each step number.

If this procedure fails, contact My Oracle Support (MOS), and ask for assistance.

<table>
<thead>
<tr>
<th>STEP #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SOAM VIP GUI: Login</td>
</tr>
</tbody>
</table>

Establish a GUI session on the SOAM server by using the VIP IP address of the SOAM server. Open the web browser and enter a URL of:

```
http://<Primary_SOAM_VIP_IP_Address>
```

Login as the `guiadmin` user:

![Oracle System Login](http://<Primary_SOAM_VIP_IP_Address>)

Welcome to the Oracle System Login.

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Procedure 6: Perform Health Check (Pre-Feature Deactivation)

<table>
<thead>
<tr>
<th></th>
<th>SOAM VIP GUI: Verify the FABR Folder is Visible</th>
<th>Locate and verify the FABR folder from Main Menu is visible and the configuration folder items are present</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** It should only be present after feature activation, so if it is not present, then the feature is already deactivated and there is no need to complete this deactivation procedure.

<table>
<thead>
<tr>
<th></th>
<th>NOAM VIP GUI: Login</th>
<th>Establish a GUI session on the NOAM server by using the VIP IP address of the NOAM server. Open the web browser and enter a URL of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td>http://&lt;Primary_NOAM_VIP_IP_Address&gt; Login as the <em>guiadmin</em> user:</td>
</tr>
</tbody>
</table>

![Oracle System Login](image)
Procedure 6: Perform Health Check (Pre-Feature Deactivation)

4  □ NOAM VIP GUI: Verify Server Status

Navigate to Main Menu -> Status & Manage -> Server

Verify all Server Status is Normal (Norm) for:
Alarm (Alm), Database (DB), Replication Status, and Processes (Proc).

5  □ NOAM VIP GUI: Log Current Alarms

Navigate to Main Menu -> Alarms & Events -> View Active

Click on the Report button

Save or Print this report, keep copies for future reference.

Compare this alarm report with those gathered in the pre-activation procedures. Contact My Oracle Support (MOS) if needed.
**Procedure 7: Feature Deactivate**

<table>
<thead>
<tr>
<th>STEP #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This procedure provides steps to Activate FABR.</td>
</tr>
<tr>
<td></td>
<td>Check off (✓) each step as it is completed. Boxes have been provided for this purpose under each step number.</td>
</tr>
<tr>
<td></td>
<td>If this procedure fails, contact My Oracle Support (MOS), and ask for assistance.</td>
</tr>
</tbody>
</table>

1. **SOAM VIP GUI: Login**

   Establish a GUI session on the SOAM server by using the VIP IP address of the SOAM server. Open the web browser and enter a URL of:

   ```
   http://<Primary_SOAM_VIP_IP_Address>
   ```

   Login as the `guiadmin` user:

   ![Oracle System Login](image)

   Welcome to the Oracle System Login.

   Unauthorized access is prohibited. This Oracle system requires the use of Microsoft Internet Explorer 8.0, 9.0, or 10.0 with support for JavaScript and cookies.

   Oracle and Java are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
### Procedure 7: Feature Deactivate

<table>
<thead>
<tr>
<th>Step</th>
<th>Task</th>
</tr>
</thead>
</table>
| 2    | **Active SOAM GUI:** Disable FABR Application | Navigate to **Main Menu -> Diameter -> Maintenance -> Applications**
|      |   | ![Main Menu Screenshot](image) |
|      |   | Select the FABR applications to disable. Click the **Disable** button. |
| 3    | **NOAM/SOAM VIP GUI:** Logout | Logout of any active NOAM and/or SOAM GUI Sessions: **Welcome guiadmin [Logout]** |
| 4    | **NOAM VIP:** Establish an SSH session | Establish an SSH session to the NOAM VIP. Login as **admusr**. |
| 5    | **NOAM VIP:** Navigate to the Feature Activation Directory | Navigate to the feature activation directory by executing the following command: `cd /usr/TKLC/dsr/prod/maint/loaders/` |
Procedure 7: Feature Deactivate

Run the feature activation script by executing the following command:

```
$ ./featureActivateDeactivate
```

Choose **Deactivate**

```
You want to Activate or Deactivate the Feature :
1. Activate
2. Deactivate

Enter your choice : [ ]
```

Choose **FABR**

```
List of Feature you can Activate :
1. CPA
2. RBAR
3. FABR
4. Mediation
5. LoadGen
6. GLA
7. MAP Interworking

Enter the choice : [ ]
```

Choose the SOAM site for which the application will be Deactivated:

**Note:** As an alternative, you can also deactivate on all SOAM sites:

```
The Active SO server configured in the Topology are

---
1. Vetta-50-2
2. Mii 50u

Enter your choice on which SO you want to Activate or Deactivate the Feature : [ ]
```

Refer to **Section 7.2** for output Example.
**Procedure 7: Feature Deactivate**

<table>
<thead>
<tr>
<th></th>
<th>Active SOAM GUI: Login</th>
<th>Establish a GUI session on the active SOAM server by using IP address of the SOAM server. Open the web browser and enter a URL of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td></td>
<td><strong>http://&lt;Active_SOAM_IP_Address&gt;</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Login as the <em>guiadmin</em> user:</td>
</tr>
<tr>
<td></td>
<td></td>
<td><img src="image" alt="Oracle System Login" /></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Note:</strong> Unauthorized access is prohibited. This Oracle system requires the use of Microsoft Internet Explorer 8.0, 9.0, or 10.0 with support for Javascript and cookies. Other names may be trademarks of their respective owners.</td>
</tr>
<tr>
<td></td>
<td>Active SOAM GUI: Verify the FABR Folder is not visible</td>
<td>Verify the FABR folder is not visible under Main Menu.</td>
</tr>
<tr>
<td>8</td>
<td>Standby SOAM GUI: Repeat Verification Steps</td>
<td><strong>Repeat Steps 7-8 for the Standby SOAM</strong></td>
</tr>
<tr>
<td></td>
<td>Standby SOAM GUI: Verify the FABR Folder is not visible</td>
<td><strong>Note:</strong> If the verifications for the standby SOAM differ from the Active SOAM, stop and contact My Oracle Support (MOS)</td>
</tr>
<tr>
<td>9</td>
<td>Spare SOAM GUI: Verify and Deactivate</td>
<td><strong>Repeat Steps 7-8 for any spare SOAMs present.</strong></td>
</tr>
<tr>
<td></td>
<td>Spare SOAM GUI: Verify and Deactivate</td>
<td><strong>Note:</strong> For DSR 7.1/7.2, skip this step.</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>For DSR 5.1, 6.0, and 7.0, you will have to run the following command to Deactivate FABR on each spare SOAM:</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Note:</strong> For DSR 7.1/7.2, skip this step.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><code>$ cd /usr/TKLC/dsr/prod/maint/loaders/deactivate</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td><code>$ ./load.fabrDeactivateBsourced</code></td>
</tr>
</tbody>
</table>
## Procedure 7: Feature Deactivate

| 11 | SOAM VIP GUI: Login |

Establish a GUI session on the SOAM server by using the VIP IP address of the SOAM server. Open the web browser and enter a URL of:

```
http://<Primary_SOAM_VIP_IP_Address>
```

Login as the `guiadmin` user:

![Oracle System Login](image)

Welcome to the Oracle System Login.

Unauthorized access is prohibited. This Oracle system requires the use of Microsoft Internet Explorer 8.0, 9.0, or 10.0 with support for Javascript and cookies.

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Procedure 7: Feature Deactivate

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td><strong>SOAM VIP GUI:</strong> Restart DA-MPs</td>
<td>Multiple iterations of this step may be executed during the feature activation procedure. This is dependent on the number of DA-MP servers within your system. Make a written record of the number of times the step was performed. It is recommended that no more than 50% of the DA-MPs be restarted at once. Navigate to <strong>Main Menu -&gt; Status &amp; Manage -&gt; Server</strong>&lt;br&gt;&lt;br&gt;<img src="image" alt="Status &amp; Manage menu" /> Select the desired DA-MPs, you can use 'Ctrl' to select multiple DA-MPs at once. Click the <strong>Restart</strong> button. Verify the Server changes to the Err state and wait until it returns to the Enabled/Norm state. Repeat for the additional DA-MPs.</td>
</tr>
<tr>
<td>13</td>
<td><strong>SOAM VIP GUI:</strong> Verify Maintenance Screen</td>
<td>Navigate to <strong>Main Menu -&gt; Diameter -&gt; Maintenance -&gt; Applications</strong>&lt;br&gt;&lt;br&gt;<img src="image" alt="Maintenance menu" /> Verify the FABR application is not present.</td>
</tr>
</tbody>
</table>
### 6.3 POST-DEACTIVATION PROCEDURES

To complete a deactivation, complete the Post-Deactivation procedure below.

#### 6.3.1 Perform Health Check

This procedure is used to determine the health and status of the network and servers.

**Procedure 8: Perform Health Check (Post-Feature Deactivation)**

<table>
<thead>
<tr>
<th>Step #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>NOAM VIP GUI:</strong> Establish a GUI session on the NOAM server by using the VIP IP address of the NOAM server. Open the web browser and enter a URL of: <strong>http://&lt;Primary_NOAM_VIP_IP_Address&gt;</strong> Login as the <em>guiadmin</em> user:</td>
</tr>
</tbody>
</table>

---

If this procedure fails, contact My Oracle Support (MOS), and ask for assistance.
Procedure 8: Perform Health Check (Post-Feature Deactivation)

| 2 | **NOAM VIP GUI**: Verify Server Status | Navigate to **Main Menu -> Status & Manage -> Server** |

```
[Diagram showing tree structure of Main Menu, with nodes labeled Status & Manage, Network Elements, Server, HA, Database, KPIs, Processes, Tasks, Files.]
```

Verify all Server Status is Normal (Norm) for:
- Alarm (Alm)
- Database (DB)
- Replication Status
- Processes (Proc)

```
<table>
<thead>
<tr>
<th>App State</th>
<th>Alm</th>
<th>DB</th>
<th>Reporting Status</th>
<th>Proc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
</tbody>
</table>
```

Procedure 8: Perform Health Check (Post-Feature Deactivation)

<table>
<thead>
<tr>
<th>3</th>
<th>NOAM VIP GUI: Log Current Alarms</th>
<th>Navigate to Main Menu -&gt; Alarms &amp; Events -&gt; View Active</th>
</tr>
</thead>
</table>

Click on the **Report** button

![Alarms & Events Navigation](image)

**Save** or **Print** this report, keep copies for future reference.

Compare this alarm report with those gathered in the pre-Deactivation procedures. Contact My Oracle Support (MOS) if needed.

**Note:** No routed service alarms should exist. These include the following alarms:

<table>
<thead>
<tr>
<th>Alarm-ID</th>
<th>Alarm Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>19820</td>
<td>Communication Agent Routed Service Unavailable</td>
</tr>
<tr>
<td>19821</td>
<td>Communication Agent Routed Service Degraded</td>
</tr>
<tr>
<td>19822</td>
<td>Communication Agent Routed Service Congested</td>
</tr>
<tr>
<td>19823</td>
<td>Communication Agent Routed Service Using Low-Priority Connection Group</td>
</tr>
</tbody>
</table>
7.0 ENGINEERING NOTES

**FIPS integrity verification test failed:** In DSR 7.1+, you may see ‘FIPS integrity verification test failed’ message displayed during the activation/Deactivation output, this message is expected and harmless.

7.1 SAMPLE OUTPUT OF ACTIVATION (ACTIVE NOAM)

```plaintext
Run script to Activate fabr Feature
====================================

Execution of Activation/Deactivation Process Starts
Executing /usr/TKLC/dsr/prod/maint/loaders/activate/load.fabrActivateAsourced script on Jetta-NO-2
id=13
name=DPService
preDefined=No
editableOnGui=Yes
birthTime=12/31/1969 19:01:00.000

id=0
name=DPSvcGroup
preDefined=No

Add DP Service and Connection group mapping.
  routedServiceId=13
cnnGroupId=0
priority=10

Add FABR KPI group
  KPI_Group=FABR
  Visibility=VIS_SO

Add FABR Measurement groups
  Meas_Group=Full Address Resolution Performance
  Visibility=VIS_SO
  Meas_Group=Full Address Resolution Exception
  Visibility=VIS_SO

Add FABR GUI Configuration Permissions.
  _appid=17
  group_id=7051
  group_name=FABR Configuration Permissions

Starting to Execute the Loaders on Mate server
Executing /usr/TKLC/dsr/prod/maint/loaders/activate/load.fabrActivateAsourced script on Jetta-NO-1

FIPS integrity verification test failed.
  id=13
name=DPService
preDefined=No
editableOnGui=Yes
birthTime=12/31/1969 19:01:00.000

id=0
name=DPSvcGroup
preDefined=No
  routedServiceId=13
cnnGroupId=0
priority=10
  KPI_Group=FABR
  Visibility=VIS_SO
```
Add FABR GUI Configuration Permissions.

appid=17

group_id=7051

group_name=FABR Configuration Permissions

FIPS integrity verification test failed.

The Active SO server configured in the Topology are

1. Jetta-SO-2
2. ALL SOs

Enter your choice on which SO you want to Activate or Deactivate the Feature :1

This is a 3 Tier Setup , So run the B sourced loaders on SO server : Jetta-SO-2

Executing /usr/TKLC/dsr/prod/maint/loaders/activate/load.fabrActivateBsourced script on Jetta-SO-2

FIPS integrity verification test failed.

Starting to Execute the Loaders on Mate server

Executing /usr/TKLC/dsr/prod/maint/loaders/activate/load.fabrActivateBsourced script on Jetta-SO-1

FIPS integrity verification test failed.

Add Common DSR Application measurements for FABR.

repgrp=DSR Application Exception

measid=10602

subgrp=

repgrp=DSR Application Exception

measid=10603

subgrp=

repgrp=DSR Application Performance

measid=10600

subgrp=

repgrp=DSR Application Performance

measid=10601

subgrp=

repgrp=DSR Application Performance

measid=10604

subgrp=

repgrp=DSR Application Performance

measid=10605

subgrp=

repgrp=DSR Application Performance

measid=10660

subgrp=

Add FABR GUI Configuration Permissions.
7.2 SAMPLE OUTPUT OF DEACTIVATION (ACTIVE NOAM)

Run script to Deactivate fabr Feature

Execution of Activation/Deactivation Process Starts

Starting Activation/Deactivation process...

The Active SO server configured in the Topology are
1. Jetta-SO-2
2. ALL SOs

Enter your choice on which SO you want to Activate or Deactivate the Feature : 1

Verifying feature is activated or not on Jetta-SO-2

FIPS integrity verification test failed.

FABR is activated on Jetta

FIPS integrity verification test failed.

Verifying feature is activated or not on Jetta-SO-2

FIPS integrity verification test failed.

FABR is activated on Jetta

FIPS integrity verification test failed.

FIPS integrity verification test failed.

This is a 3 Tier Setup, SO run the B sourced loaders on SO server : Jetta-SO-2

Executing /usr/TKLC/ds/prod/maint/loaders/deactivate/load.fabrDeactivateBsourced script on Jetta-SO-2

FIPS integrity verification test failed.

This is a 3 Tier Setup, SO run the B sourced loaders on SO server : Jetta-SO-2

Verifying feature is activated or not on Jetta-SO-2

FIPS integrity verification test failed.

FIPS integrity verification test failed.

FIPS integrity verification test failed.

This is a 3 Tier Setup, SO run the B sourced loaders on SO server : Jetta-SO-2

FIPS integrity verification test failed.

FIPS integrity verification test failed.

FIPS integrity verification test failed.

FIPS integrity verification test failed.

FIPS integrity verification test failed.

Verifying feature is activated or not on Jetta-SO-2

FIPS integrity verification test failed.

FIPS integrity verification test failed.

FIPS integrity verification test failed.

FIPS integrity verification test failed.

FIPS integrity verification test failed.

FIPS integrity verification test failed.
Removing common DSR Application measurements for FABR

--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---

Removing FABR GUI permissions.

--- deleted 1 records ---

FIPS integrity verification test failed.

Executing the Loaders and Clearing Cache on Standby SO servers.

Starting to Execute the Loaders on Mate server

Executing /usr/TKLC/dspro/maint/loaders/deactivate/load.fabrDeactivateBsource src on Jetta-SO-1

FIPS integrity verification test failed.

Current server is HA STANDBY

Removing common DSR Application measurements for FABR

--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---
--- deleted 1 records ---

Removing FABR GUI permissions.

--- deleted 1 records ---

FIPS integrity verification test failed.

Do you want to activate/deactivate this feature on another System OAM Server[Y/N] : n
APPENDIX A. MY ORACLE SUPPORT (MOS)

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, there are multiple layers of menus selections. Make the selections in the sequence shown below on the Support telephone menu:

4. For the first set of menu options, select 2, “New Service Request”. You will hear another set of menu options.


6. In the third set of options, select 2, “Non-technical issue”. Then 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.