Oracle® Communications
DSR Release 7.0

Release Notice

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ORACLE®

DSR Release 7.0 Release Notice

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Introduction

The Oracle Communications Diameter Signaling Router (DSR) product is positioned to address the Telecom Operator market's need for Diameter routing functions in 3G and 4G networks.

This Release Notice includes Feature Descriptions, supported Hardware Baseline, Media and Documentation pack contents and identifies the Supported Upgrade Paths. This document also includes listings of both the Resolved and Known Bugs for this Release. Directions for accessing key Oracle sites and Services are also identified in the *Oracle References and Services* chapter.

Release Notices are included in the Documentation Pack made available with every Software Release.

DSR 7.0 Introduction

The Oracle Communications Diameter Signaling Router (DSR) product is positioned to address the Telecom Operator market's need for Diameter routing functions in 3G and 4G networks. Operators are adapting Diameter protocol in migration to LTE converged 3G and 4G networks. DSR 7.0.0 is not a launch of a new product, but rather introduces new functionality to the DSR product, which will be separately chargeable to new and existing customers. The release also includes feature constant updates. DSR 7.0.0 introduces Core Routing II, Roaming Proxy II and Online Charging Proxy.

Additions to the previous revision are marked in green text; deletions are in pink text.

Chapter
2

Feature Descriptions

Topics:

This Release delivers the following features:

- *Oracle Communications Diameter Signaling Router, Core Routing II - Per Server (L101175)*
- *Oracle Communications Diameter Signaling Router, Online Charging Proxy - Per Server (L101177)*
- *Oracle Communications Diameter Signaling, Roaming Proxy II - Per Server (L101176)*
- *Oracle Communications Diameter Signaling Router, Feature Constant Upgrade 7.0.0*

Oracle Communications Diameter Signaling Router, Core Routing II - Per Server (L101175)

Extended Command-Codes (BugID# 19103567)

Extend select command-codes configurable in DSR to support differentiation of command-codes with an associated 'type' or other application-specific AVP. (i.e. CCR-I, CCR-U, CCR-T, etc).

ART-based Ingress Message Screening (BugID# 19092963)

Allows white-list and black-list screening of messages ingressing the DSR through additional discard and forward route actions for DSR Application Routing Table rules.

Pending Answer Timer Increase to 16 (from 8) (BugID# 19490391)

Supports pending answer timer selection using configuration table limit of at-least 16 records.

RBAR > PDRA Application Chaining (BugID# 19105753)

Allows for the invocation of RBAR followed by P-DRA for the same Request. This ability will allow the operator to select a policy server/cluster based on the subscriber identity while P-DRA maintains the binding that could be used to correlate other Gx or Rx sessions.

RBAR > OCS Application Chaining (BugID# 19113765)

Allows for the invocation of RBAR followed by OCS for the same Request. This ability will allow the operator to select a charging server/cluster based on the subscriber identity while OCS maintains the session state to ensure the correct routing of Subsequent Requests within the session.

Mediation Enhancements

- Import and Export of Mediation Rules (BugID# 19107654)
- Additional Trigger Points (BugID# 19098500; 19111543; 19111545)
- Support for "Peg Counter" Action (BugID# 19112355)
- AVP Dictionary clone/edit capabilities (BugID# 19112571)
- Support for Scripting (BugID# 19111550)
- Support for Re-routed Requests (BugID# 19111548)
- Support for Grouped AVPs up to 6 levels deep (BugID# 19581776)

IPFE Initiator Support (BugID# 19115140)

- DSR Initiator connections utilize the IPFE signaling IP address(es) instead of individual DA-MP IP address(es).
- The same IPFE signaling IP address(es) can be used for both DSR Responder and DSR Initiator connections.

Note: Each DSR Initiator connection utilizing IPFE signaling IP address(es) is statically associated, via user-configuration, with a single DSR DA-MP.

IPFE Peer Node Group Aware Least Load Distribution (BugID# 19104982)

- DSR configuration supports user grouping of "like" Peer Nodes
- IPFE distributes connections within Peer Node Group evenly across the DA-MPs in the IPFE Target Set
- Allows independent distribution of "like" connections to improve balance of such connections and minimize impact during a DA-MP failure

Oracle Communications Diameter Signaling Router, Online Charging Proxy - Per Server (L101177)

Online Charging Stateful Routing (BugID# 19088246)

DSR provides Online Charging proxy agent capability over the Gy interface between multiple charging clients such as LTE PGWs, 3G GGSNs, IMS AFs, and multiple online charging servers (OCS).

- Significant reduction in the number of Diameter connections between multiple clients and Online Charging server.
- Common centralized load balancing, eliminating the need for individual load balancers in front of each OCS.
- Stateful Routing - DSR provides storage/retrieval of session state information to ensure that all messages for a given session are routed to the same charging server/client.
- Gy interface centralized network intelligence and troubleshooting.
- Simplification of integration and interoperability testing as new OCS servers and/or clients are added in the network.
- Ability to select and copy charging messages to Diameter Application Servers.

Oracle Communications Diameter Signaling, Roaming Proxy II - Per Server (L101176)

S9 Topology Hiding (BugID# 19099266; 19099267)

- DSR implements S9 Topology Hiding mechanisms to address inbound roaming and outbound roaming requirements in the LBO architectures.
- S9 Topology Hiding feature encompasses PCRF, AF/P-CSCF and Diameter Path.
- PCRF and AF/P-CSCF Topology Hiding sets the Origin-Host-name in all outbound messages from the home network to a 'pseudo' host name. For inbound messages, the 'pseudo' Destination-Host-Name is changed back to the 'real' host name.
- Diameter Path Topology Hiding obscures node identifying portions of the AVP for outgoing messages.

S6 HSS Topology Hiding with Multiple Pseudo Hostnames (BugID# 19103351)

Adds S6a/S6d HSS Topology Hiding into the roaming related topology hiding feature suite for home networks that do not utilize address resolution (RBAR/FABR) when routing Requests toward the HSS.

Oracle Communications Diameter Signaling Router, Feature Constant Upgrade 7.0.0

P-DRA 3-Site Redundancy (BugID# 19090986)

DSR Policy Proxy supports connections to clients and servers from all three sites in the triplet and replicates binding and session information across all three sites. The SBRs are deployed in Active-Standby-Spare-Spare model for this configuration.

TCP/SCTP Transport Tuning and Measurements (BugID# 19106801)

DSR provides user control for following additional parameters.

- Socket Send/Receive Buffers (Use kernel Auto-Tuning or user configured value)
- Maximum Segment Size
- TCP Keep Alive
- SCTP Fragmentation
- SCTP Ordered/Unordered delivery

PRT/ART "Contains" Support (BugID# 19090515)

Adds support for "Contains" operator to ART and PRT rules for qualifying sub-strings anywhere within the Origin-Realm, Origin-Host, Dest-Realm, or Dest-Host.

Support for Multiple Applications (BugID# 19103366)

Ability for all DSR applications to co-exist on the same DSR and run on the same Diameter agents.

Alternate Implicit Re-Routing (BugID# 19084893)

DSR attempt to use the Alternate Implicit Re-Route (if configured) for the peer as part of the routing failure handling.

Integrated DIH Support for S13, Sy, Sd, Zh (BugID# 19107761; 19113628; 19113630; 19107762)

Adds IDIH troubleshooting support for S13, Sy, Sd, and Zh Diameter interfaces.

Support 16,000 Diameter Connections and Peer Nodes

- Support 16,000 Diameter Connections on a single DSR (BugID# 19326485)
- Support 16,000 Peer Nodes on a single DSR (BugID# 19326523)

Upgrade Automated Pre and Post Checks and Documentation Improvements (BugID# 19111290)

Allows for a faster and simpler upgrade process by automating pre upgrade checks and post upgrade checks.

DSR Rack-Mount Server Capacity Expansion (BugID# 19094199)

Extends capacity of virtualized DSR on Rack-mount Server to 50,000 MPS.

Chapter

3

DSR Release 7.0 Media and Documentation

Topics:

Oracle Communications software is available for electronic download on the Oracle Software Delivery Cloud (OSDC). Documentation is delivered electronically on the Oracle Technology Network (OTN). Both the software Media Pack and the Documentation Pack are listed in this chapter.

Media Pack

All components available for download from the Oracle Software Delivery Cloud (*https://edelivery.oracle.com/*) are in *Table 1: Media Pack Contents*.

Note: This list is accurate at the time of release, but is subject to change. Please view the Oracle Software Delivery Cloud site for the latest information.

Table 1: Media Pack Contents

Part Number	Name
V75179-01	Oracle Communications Diameter Signaling Router 7.0.0.0.0-70.22.0
V75183-01	Oracle Communications Diameter Intelligence Hub Applications 7.0.0.0.0-70.22.0
V75182-01	Oracle Communications Diameter Intelligence Hub Database 7.0.0.0.0-70.22.0
V75181-01	Oracle Communications Diameter Intelligence Hub Mediation 7.0.0.0.0-70.22.0
V75180-01	Oracle Communications Diameter Signaling Router MIBS 7.0.0.0.0-70.22.0
V73667-01	Oracle Communications Diameter Signaling Router, Full Address Resolution 5.0.1-50.23.0
V47357-01	Oracle Communications Tekelec Platform Distribution 6.7.0.0.1-84.18.0 (ISO and USB images)
V74682-01	Oracle Communications Tekelec Platform Management and Configuration 5.7.0.0.2-57.18.0
V50878-01	Oracle Communications Tekelec Virtual Operating Environment 2.7.0.0.0-84.20.0 (ISO and USB images)
V45698-01	Tekelec Platform Distribution 6.5.2 (Includes ISO and USB Image)

Documentation Pack

All documents available for download from the Oracle Technology Network (OTN) site (*http://docs.oracle.com*) are listed in *Table 2: Documentation Pack Contents* .

Note: This list is accurate at the time of release, but is subject to change. Please view the OTN site for the latest information.

Table 2: Documentation Pack Contents

Name
Documentation Bulletin

Name
Release Notice
Feature Notice
License Information User's Guide
Planning, Installation, Upgrade, and Disaster Recovery
Feature Guide
Planning Guide
DSR Hardware and Software Installation Procedure 1/2
DSR Software Installation and Configuration Procedure 2/2
DSR 7.0 Software Upgrade Guide
4.X/5.X/6.x 3-tier Disaster Recovery Guide
RMS Productization Installation Guide
RMS Productization Disaster Recovery Guide
Core DSR Document Set
Operation, Administration, and Maintenance (OAM) User's Guide
Communication Agent User's Guide
Roadmap to Hardware Documentation Reference
Policy Charging Application User's Guide
Diameter User's Guide
Mediation User's Guide
Range Based Address Resolution (RBAR) User's Guide
Full Address Based Resolution (FABR) User's Guide
Charging Proxy Application (CPA) and Offline Charging Solution User's Guide
IP Front End (IPFE) User's Guide
Diameter Common User's Guide
Diameter Administrator's Guide
MAP-Diameter IWF User's Guide
SS7/SIGTRAN User's Guide
Transport Manager User's Guide
Gateway Location Application (GLA) User's Guide
Related Publications Reference
Measurements Reference

Name
Alarms and KPIs Reference
MEAL gap NIR
DSR GLA Feature Activation Procedure
DSR Mediation Feature Activation Work Instruction
DSR CPA Feature Activation Procedure
DSR FABR Feature Activation Procedure
DSR RBAR Feature Activation Procedure
DSR MAP-Diameter Feature Activation Procedure
Core DSR Subscriber Data Server Document Set
Feature Notice
Getting Started
Configuration and Maintenance Guide
Subscriber Data Server Provisioning Interface
Communication Agent User Guide
Operation, Administration, and Maintenance (OAM) Guide
Alarms, KPIs, and Measurements
SDS Initial Installation and Configuration Guide
SDS Software Upgrade Procedure
SDS Disaster Recovery Guide
DSR Integrated Diameter Intelligence Hub (IDIH) Document Set
IDIH User's Guide
IDIH Audit Viewer Administrator's Guide
IDIH Alarm Forwarding Administrator's Guide
IDIH Operations, Administration and Maintenance Administrator's Guide
IDIH ProTrace User's Guide
IDIH System Alarms User's Guide
IDIH Log Viewer User's Guide
IDIH Installation/Upgrade Procedure

Chapter

4

Supported Hardware Baseline

Topics:

The Hardware identified in *Table 3: Supported Hardware Baseline* comprises the hardware and server versions that have been verified with this Release.

Supported Hardware Baseline

Table 3: Supported Hardware Baseline

Hardware	Description
HP G6	Intel Nehalem CPU-based dual-socket blades and rack mount servers manufactured by HP
HP G7	Intel Westmere CPU-based dual-socket blades and rack mount servers manufactured by HP
HP Gen8	Intel Sandy Bridge CPU-based dual-socket blades and rack mount servers manufactured by HP
Sun Netra X3-2 (AC only)	Intel Sandy Bridge CPU-based dual-socket 2RU rack-mount server manufactured by Oracle

Chapter

5

DSR Release 7.0 Supported Upgrade Paths

Topics:

This release has been tested for upgrades from specific prior releases; this chapter contains the exact paths for upgrade. Please verify that your current installed release is listed on a valid upgrade path.

Supported Upgrade Paths

The possible upgrade paths to DSR Release 7.0 are listed below.

Table 4: DSR Release 7.0 Upgrade Paths

From	To
5.0.0, 5.0.1* (See note below)	7.0.0
6.0.0, 6.0.1	7.0.0

Note:

- *** PDRA Warning:** PDRA upgrade from 5.x to 7.0 is NOT supported. All 5.x PDRA Systems must upgrade to 6.x, and then upgrade to 7.0. Failure to comply will result in the failure of all Session SBR Server Groups. This will cause nearly 100% call failure.
- Any upgrade other than listed above is not recommended or supported.
- 7.0.0 is supported as a new or fresh installation.

DSR Release 7.0 Resolved and Known Bugs

Topics:

This chapter lists the Resolved and Known Bugs for DSR Release 7.0

These bug lists are distributed to customers with a new software release at the time of General Availability (GA), and are updated for each Maintenance release.

Severity Definitions

The problem report sections in this document refer to Bug severity levels. Definitions of these levels can be found in the publication, *TL 9000 Quality Management System Measurement Handbook*.

Problem Report: A report from a customer or on behalf of the customer concerning a product or process defect requesting an investigation of the issue and a resolution to remove the cause. The report may be issued via any medium. Problem reports are systemic deficiencies with hardware, software, documentation, delivery, billing, invoicing, servicing or any other process involved with the acquisition, operation, or performance of a product. An incident reported simply to request help to bring back the service or functionality to normal without the intent to investigate and provide a resolution to the cause of the incident is not a problem report.

- Critical: Conditions that severely affect the primary functionality of the product and because of the business impact to the customer requires non-stop immediate corrective action, regardless of time of day or day of the week as viewed by a customer on discussion with the organization such as

  1. product inoperability (total or partial outage),
  2. a reduction in the capacity capability, that is, traffic/data handling capability, such that expected loads cannot be handled,
  3. any loss of emergency capability (for example, emergency 911 calls), or
  4. safety hazard or risk of security breach.

- Major: Product is usable, but a condition exists that seriously degrades the product operation, maintenance or administration, etc., and requires attention during pre-defined standard hours to resolve the situation. The urgency is less than in critical situations because of a lesser immediate or impending effect on product performance, customers and the customer's operation and revenue such as

  1. reduction in product's capacity (but still able to handle the expected load),
  2. any loss of administrative or maintenance visibility of the product and/or diagnostic capability,
  3. repeated degradation of an essential component or function, or
  4. degradation of the product's ability to provide any required notification of malfunction.

- Minor: Other problems of a lesser severity than 'critical' or 'major' such as conditions that have little or no impairment on the function of the system

The numbered severity levels in the tables below correspond to these definitions:

- 1 - Critical
- 2 - Major
- 3 - Minor

Resolved Bug Listing

Table 5: DSR Release 7.0 Resolved Bugs lists bugs that are resolved in the following builds:

Application Lineup

- DSR 7.0.0.0.0-70.22.0
- IDIH 7.0.0.0.0-70.22.0
- SDS 5.0.1-50.23.0

Platform Lineup

- TPD 6.5.2-82.35.0* (SDS Baseline)
- TPD 6.7.0.0.1-84.18.0** (DSR/IDIH Baseline; Oracle Linux 6.5)
- TPD 6.7.0.0.1-84.20.0 (PM&C TPD Version)
- TVOE 2.7.0.0.0-84.20.0
- PMAC 5.7.0.0.2-57.18.0
- Comcol 6.3-p274
- Appworks 5.7.0-57.39.0
- Exgstack 7.0.0-70.18.0
- Firmware 2.2.7 (minimum)

Note: * As part of successful installation of the SDS application, the TPD version is upgraded to 6.5.2-82.36.0.

Note: ** As part of successful installation of the DSR/IDIH application, the TPD version is upgraded to 6.7.1.0.0-84.23.0 (Oracle Linux 6.6).

Table 5: DSR Release 7.0 Resolved Bugs

Bug number	SR	Title
19509678		Increasing number of Session subparts can lead to redundancy loss during upgrade
19563252		Measurement Report Task Does not Complete
19589992		Multiple Session SBR Server Groups do not use all 64 subparts
19603099		Mediation: buffer overrun with constant OctetString values can lead to a crash
19117853		[240302]P-DRA Session SBR access errors at > 15M records per server group
19119361		[241571]PDRA: Spare binding and session PSBR remain OOS after site failure
19116369		[239127] Backout of an Entire network from 5.0 GA (50.21.0) to 4.0(40.27.3) faile
19117255		[239831]Unable to add routes to the server group in the NOAM
20441304		CVE-2015-0235 - "GHOST" VULNERABILITY IN GLIBC
19107156		[231998]SCTP unable to reconnect after VLAN shutdown/restart when mode is Initia
19107362		[232148]PSBR goes split brain when switches restored
19112449		[236133]"Binding not find" error code was triggered in the response to 2nd CCR-I
19115105		[238190]IPFE TSA not pingable

Bug number	SR	Title
19109715		[233954]Update/Add more safety validations in the Pending Transaction RESOURCE r
19117931		[240269]Bulk audit to Standby/Spare pSBRs must complete before upgrading Active
19388011		[Mediation] Nigtly AUT run results in failure in DML and CAPM AUT's
19428442		Application-id value not shown in the configured trace on DSR SO GUI
19452621		No GLA answer received: Max Message Size Exceeded
19649666		Mediation: invalid value is returned from the cache
19901912		mapiwf crash
19119889		[241956]Standby or Spare SO GUI does not show RBAR menu after activation
19109587		[233862]Actions performed in IPFE > Configuration display screen name as 'UNKNOW
19111064		[235017]DSROAM_Proc configured as a required HA resource but not started on MPs
19113770		[237134]Sorting on Prefix Search or BlackList search columns results in all colu
19115627		[238576]DSR5.0:Setting MaxConsecutiveFailed parameter to "0" does not result in
19932361		Possible race with CEA timer leaving Connection stuck OOS.
19106929		[231815]PDRA: binding and session exception measurements pegged during weekend r
19109335		[233652]Remote Busy Timeout not able to be import /exported for Connections
19088209		[216708]CPA application failed during DSR 40.6 sanity testing
19089005		[217422]SBR ha status unavailable on start
19089111		[216390]SBR upgrade failed due to transition to run level 3 exceeded timeout
19094793		[222120]DSR 4.0: Error when attempting to delete a peer route table rule when th
19100540		[226829]Online help for Routing Option Set describes the incorrect default for
19102053		[228002]FABR/RBAR should send error Answer when "missing padding bytes" EDL exce

Bug number	SR	Title
19102288		[228188]/var/log/messages reached 100% due to : IPMI Watchdog: response error me
19103494		[229139]DSR GUI Does not Display OA Traps
19103972		[229519]Invalid display while SCTP multihomed with more than 2 IP address
19109986		[234144]FABR "System Options" export data with wrong value for "allowSubsequentD
19086783		[212577]DSR 3.0: Some edit scenarios for users causes "page expired" error to be
19088702		[217157]RBAR gcli/BIE: gcli and bulk import export allow more than 64 entries in
19092513		[220315]PS CSR: EE DSR: IPFE Configuration Permissions
19092518		[220321]PS CSR: EE DSR : Transfer backups to export server
19237555		Template error while modifying existing template
19381118		DSR restarts due to incorrect pegging of FABR PIC.
19442534		iDIH 6.0: Incorrect Command code values of messages of Cx interface shown on DSR

Customer Known Bug Listing

Table 6: DSR Release 7.0 Customer Known Bugs lists known bugs in this release:

Table 6: DSR Release 7.0 Customer Known Bugs

Bug Number	Severity	Release	Title	Customer Impact Statement
19115814	2	SDS 5.0	[238719]Duplicate SNMP MIB notification "sdsLoginFailed" in SDS-MIB	Some SNMP Managers may require an updated MIB file in order load the SDS-MIB module.
20482512	2	SDS 5.0	SDS 5.0 Backup / Restore fails to restore SOAM Destination table	Workaround: Customer must Add/Delete a dummy entry for the "Destination" table to force replication to sync.
19107028	3	SDS 5.0	[231903]Status & Manage > Database [Compare] has no progress indication	Customer Impact: After initiating a Database "Compare" function, the Customer has no indication that the activity is in progress until it completes.

Bug Number	Severity	Release	Title	Customer Impact Statement
19109514	3	SDS 5.0	[233804]Repl links down after 2nd DR failover when provisioning occurred on form	Customer Impact: No Operational Impact if SDS Disaster Recovery procedures are correctly followed. Workaround: From Status & Manage -> Servers screen, highlight the newly demoted Active DRNO and hit the "Stop" button, followed by the "Start" button. Note: this workaround has been added in the SDS 5.0 Disaster Recovery Procedure.
19109682	3	SDS 5.0	[233926][CSRF] User can be logged out using CSRF attack.	Customer Impact: User could be forcibly logged out of the Product GUI using a CSRF attack.
19110032	3	SDS 5.0	[234180]Non-service processes not stopped following Pri->DR failover	Customer Impact: No Operational Impact if SDS Disaster Recovery procedures are correctly followed. Workaround: From Status & Manage -> Servers screen, highlight the newly demoted Active DRNO and hit the "Stop" button, followed by the "Start" button.
19110846	3	SDS 5.0	[234850]Provisioning transactions fail to commit with durability level 2 after f	Customer Impact: When adminDurability level is set to "2" (DRNO), Customer will be unable to provision new updates after NO/DRNO failover until work-around is executed. Workaround: Run 'pm.kill inetrep' on the new Primary Active SDS.
19115138	3	SDS 5.0	[238212]Import of 166 mil subscribers Fails with inertrep fault	Customer Impact: Extremely large Import files (100M+) may cause the Import process (provimport) to fail during processing. Workaround: Large Import files (100M+) can be divided into multiple smaller files which can be queued for serial import.
19116013	3	SDS 5.0	[238871]Some SDS NO Measurement Reports taking longer than 30 seconds	No Operational Impact: Some Measurement reports can take between 30 to 40 seconds to be displayed in the GUI in large deployments.
19116620	3	SDS 5.0	[239335]xds process is consuming excessive system resources	No Operational Impact: Alarm has no known impacts and can be ignored.
19116623	3	SDS 5.0	[239338]Incorrect import alarm when switchover from primary NO to DR NO	No Operational Impact: Erroneous alarms may be cleared manually.
19116626	3	SDS 5.0	[239341]Platform "runat" alarm appears when	Customer Impact: Scheduled Import/Export operations may not run

Bug Number	Severity	Release	Title	Customer Impact Statement
			switchover from primary NO to DR NO	after Primary/DR NOAM Failover. Workaround: Import/Export Tasks can be executed manually if needed.
19117992	3	SDS 5.0	[240413]SDS: 'Administration->Remote->Servers> Data Export' Minute Value clears	No Operational Impact: Data Export values may be viewed under the [Main Menu: Status & Manage -> Tasks -> Scheduled Tasks] screen.
20418367	3	SDS 5.0	lv50fix.pl error at ATT SDS	No Operational Impact: If variant in Logical Volume size causes script to fail "validate", then manual commands my be executed to resize Logical Volumes.
20482542	3	SDS 5.0	SDS should fail with 2022 if all keys do not point to same sub (reads/deletes)	Customer Impact: Subscriber may still be deleted if 1 or more keys (IMSI, MSISDN) do not belong to any subscriber (This is not in strict compliance with the specification). Workaround: Customer should only send keys associated with the same subscriber in a deleteSubscriberRequest message.
19834529	3	SDS 5.0	stuck alarm event 10009 Config and prov db not yet synchronized	No Operational Impact: Stuck 10009 alarm must be manually cleared by restarting the apwSoapServer process on the alarming server.
20061081	3	SDS 5.0	[SDS] Server Groups: Error when removing Server Groups should be more specific.	No Operational Impact. Error response does not properly indicate that comAgent entries must be removed for associated servers before Server Group can be deleted.
19085999	3	DSR 5.x	[207367]Filtering - Inconsistent sizing of the Filter drop down box occurring on	Customer Impact: Overall filtering operation is working, but the appearance is the concern. Filtering widgets are not consistent in resizing.
19086131	3	DSR 5.x	[208467]CAPM DiamMed: Event 25000 does not identify template_name in View Active	Customer Impact: Customer will not see the affected Template when Event ID 25000 occurs.
19096270	3	DSR 5.x	[223339]Event ID 22002 is triggered for PRT rules with different priorities conf	Customer Impact: Under certain PRT rule scenarios, invalid events will be raised indicating multiple rules matched a request at the same priority, but the rules actually have different priorities. The events are throttled, so that they are only issued on a periodic basis. Customer

Bug Number	Severity	Release	Title	Customer Impact Statement
				should review the information provided in event 22002 for the rules identified. Review the PRT rules and change one of the rules so that requests only match one rule. Workaround: Determine why multiple rules match requests and change one of the rules so that requests only match one rule.
19097870	3	DSR 5.x	[224689]Number of Message Copy Threads for G7 and G8 H/W	Customer Impact: When using the Message copy feature, the Engineered Ingress MPS (as mentioned on "Main Menu: Diameter -> Configuration -> DA-MPs -> MP Profiles" screen) may not be what is expected, when the DA-MP server is G7 or G6 Database profile.
19103600	3	DSR 5.x	[229225]Event logs should be correctly updated with the appropriate Congestion L	Customer Impact: This will not affect traffic or stability. Congestion-related SNMP traps and log entries may be misleading.
19103608	3	DSR 5.x	[229231]IPFE Bulk Import / Export CSV columns do not map to GUI Screens	Customer Impact: No impact, The Customer will be able to import/export the configuration data. The files will have a name as shown below: IPFE Option for Options IPFE List TSA for Target Sets
19106495	3	DSR 5.x	[229195]DSR: Proving on floating responder connections is unpredictable	Customer Impact: If a responder connection goes down and is subsequently re-established on a different MP, the disconnect reason may not match and so proving may be conducted when it does not need to, or vice-versa. This may result in peer connections taking longer than usual to be proven/established.
19107957	3	DSR 5.x	[232586]CVU: Edit CapCfgSet not considering other potential conditions if overla	Customer Impact: Possible impact. In rare cases, this could allow an MP to become over-provisioned.
19108110	3	DSR 5.x	[232691]Align DOC and Congestion measurement names to use a consistent naming pa	Customer Impact: None, this is a measurement naming consistency issue. There is no functional impact.
19108741	3	DSR 5.x	[233189]Active/Standby DA-MPs w/IPFE not handled properly by DSR OAM	Customer Impact: In DSR 5.0 and later, for DSRs with active/standby DA-MPs and configured IPFE: 1. The Connection Capacity Dashboard will not show any

Bug Number	Severity	Release	Title	Customer Impact Statement
				data for IPFE connections. A column for each configured Target Set will be displayed, but there will be no value for IPFE Connection counts or Reserved Ingress MPS. 2. There will effectively be no connection capacity validation for IPFE connections. So if the system has IPFE connection count and/or Reserved Ingress MPS configuration that nears capacity, the OAM will not prevent the DSR from accepting additional IPFE connections that push either the count or RIMPS over the capacity of the active DA-MP server.
19109641	3	DSR 5.x	[233904]Unable to continually view the Active Tasks screen	Customer Impact: No operational impact. Customer will require Tekelec support to clear the long running task on the mate server. Task are not imapcted, imapct is that customer will not be able to see all current task.
19109895	3	DSR 5.x	[234068]Cannot set DSCP for Control interface	Customer Impact: Customer will not be able to set DSCP for the control interface.
19110027	3	DSR 5.x	[234178]SecuLog not properly displaying DSCP actions in history	Customer Impact: Functionality of DSCP is intact, but customer may be confused by entries in the Security Log. This will not affect production traffic.
19110571	3	DSR 5.x	[234622]DSR: need GUI validation checks between IPFE TSAs and DSR connections	Customer Impact: Removing the IPFE TSA with active IPFE connections will result in the connection bouncing. Removing IPFE TSAs is not expected to be an operation that will be performed often in the field. It should also be done during a maintenance window to minimize any impact.
19110628	3	DSR 5.x	[234569]Measurements existing before upgrade are lost after upgrade from 4.0.2 t	Customer Impact: Pre-upgrade measurements data can be lost intermittently. Make sure that measurements are exported before upgrade of a site to minimize any potential loss of measurements data.
19111137	3	DSR 5.x	[235079]OAM: Discrepancy in "Connection Capacity Dashboard" and "DA-MPs" mainten	Customer Impact: Some confusion may be experienced as the sorting function does not perform as expected. As the number of rows is limited on these screens, it shouldn't cause any great inconvenience. No impact on production

Bug Number	Severity	Release	Title	Customer Impact Statement
				traffic or system stability will arise as a result of this issue.
19112498	3	DSR 5.x	[236172]DSR: timer pegs do not work as expected	Customer Impact: Potential inaccurate measurement counts. Timer Pegs may not work at desired/expected interval.
19113071	3	DSR 5.x	[236603]RBAR Configuration Reports do not Contain Parameter Definitions	Customer Impact: The export function will export ALL configuration data, however the row defining the column names is not exported. This row does not contain customer configuration data. Column names can be found in customer documentation.
19113617	3	DSR 5.x	[237016]GUI screen resizing issue with Internet Explorer	Customer Impact: This is a screen resizing issue with IE which may prevent the user from seeing the maximum amount of screen content after attempting to resize. Workaround is to close the IE browser session, resize the window and then log back in.
19113774	3	DSR 5.x	[237137]Local Node and Peer Nodes - Insert: Description not correct	Customer Impact: In the GA release for 5.0, the GUI description for realm and FQDN matches the behavior of the GUI in regards to using the "_" character. This PR also questions if the "_ " should be allowed at all. This will be decided by PLM.
19113889	3	DSR 5.x	[237229]Schedule Measurements Reports marked as "duplicate" after upgrade	Customer Impact: The scheduled task continue to run. The GUI display issue is being fixed in a maintenance release for 5.0.
19113937	3	DSR 5.x	[237273]Unable to change DSR GUI password during upgrade	Customer Impact: User will not be able to log back into the GUI to continue the upgrade until Oracle support resets the GUI password.
19114055	3	DSR 5.x	[237361]Duplicate SNMP MIB notification "tekelecLoginFailed" in EAGLEXGDSR-MIB	Customer Impact: Some SNMP managers may fail loading the EAGLEXGDSR-MIB module
19114328	3	DSR 5.x	[237570]GUI Server Form - first column is NE, which is incorrect	Customer Impact: No customer impact.

Bug Number	Severity	Release	Title	Customer Impact Statement
19114413	3	DSR 5.x	[237641]status and Manage - HA form, change needed to column names	Customer Impact: This is a semantic issue that could result the user misunderstanding the meaning of the status field.
19114498	3	DSR 5.x	[237710]Capacity Configuration Set Abatement Timer defaulting to 0 after upgrade	Customer Impact: Workaround available to restore correct value after upgrade. With a 0 abatement time, once the system is reaching Ingress MPS thresholds, it won't wait for the desired time (2000 ms) before changing the alarm controls, as a result, the user will experience sudden traffic losses when the traffic load is approaching configured Ingress MPS thresholds.
19115571	3	DSR 5.x	[238523]DSR 5.0, Server screen "NTP server" value blank after upgrade when NTP p	Customer Impact: After update, it is necessary to review the NOAM Configuration --> Server screen. If the NTP settings are not what was configured at the servers, then a procedure will be needed to update the NTP server settings on the NOAM GUI form to match what is deployed on the servers.
19116269	3	DSR 5.x	[239050]Incorrect 'Result-Code Name' in 'FABR->Configuration->Exceptions' GUI sc	Customer Impact: Issue is only with GUI display. On SOAM GUI 'FABR > Configuration > Exceptions', 'Routing Exception Action', when using "Send Answer with Experimental-Result AVP" result code 5001 will be displayed as 'AVP_UNSUPPORTED' instead of 'DIAMETER_ERROR_USER_UNKNOWN'.
19116542	3	DSR 5.x	"[239270]DSR (and other products using appworks/comcol) measurement report grouping and export reporting mismatch"	Customer Impact: Measurement reports for arrayed measurements may be longer than needed and some parameters may not make sense.
19116721	3	DSR 5.x	[239416]?IPFE Connection Reserved Ingress MPS Scaling? ? set to 100% after upgra	Customer Impact: The end user will not have the ability to change the IPFE Connection Reserverd Ingress MPS Scaling.
19117094	3	DSR 5.x	[239706]DSR 5.0 - ?IPFE_Options? Exported Data ? Following fields are set to ?bl	Customer Impact: The end user will see blank fields when trying to view exported IPFE options on exported file.

Bug Number	Severity	Release	Title	Customer Impact Statement
19118267	3	DSR 5.x	[240633]DSR5.0: GUI: unable to prevent user from seeing or changing IPFE Option	Customer Impact: Customer unable to create observe-only user group or fully limit user group as desired. Concern is an unskilled user could impact system despite best admin effort to prevent such capability.
19356067	3	DSR 5.x	DA-MP switchover time in DSR 5.0 is over 20 sec	Customer Impact: For customers configured with Active/Standby MPs, DA-MP switch over can take more than 20 sec when rebooting the active server.
19612173	3	DSR 5.x	VIP resource monitoring is not enabled for the VIP_DA_MP HA resource	Customer Impact: DA_MP VIP manager will not audit at the interval of 60 seconds to ensure that VIP is properly configured for DA-MPs.
19773639	3	DSR 5.x	Alarm 22103(One or more paths of the SCTP connection we) is raised and not clear	Customer impact: No service impact. Alarm will not automatically clear. User could try restarting the connection but that does not always clear the alarm.
19816125	3	DSR 5.x	Secondary IP address is missing after a MH connection is edited	Customer Impact: When the edit button is clicked, the secondary IP address won't show on the GUI. GUI only shows "Select" for the secondary IP address, and there is nothing to select in the pulldown. The user has to re-select the primary IP address again, then the secondary IP address will be available to be selected.
19941810	3	DSR 5.x	minor alarm event 31214 process consuming excessive system resources	Customer Impact: Customer will receive the minor alarm event 31214 "Process Resources Exceeded" when configured with Diameter relay traffic running at rate above 22k/DA-MP all MP's when configured with with 16K connections, 16K peer nodes, and 2000 connections per MP.
20123471	3	DSR 5.x	PDRA : SSBR failover testing resulted in ~5.7 seconds worth traffic loss	Customer Impact: If user manually stops the application on the active Policy SBR, traffic will not be processed until failover completes.
19153312	3	DSR 5.x	Tasks > Active Tasks > Result Details Column = blank on export	Customer Impact: Customer will not be able to view exported files from GUI: "Status & Manage > Tasks > Active Tasks" Result Details column. Workaround: Exported files are viewable when

Bug Number	Severity	Release	Title	Customer Impact Statement
				downloaded from GUI: "Status & Manage > Files".
19430341	3	DSR 5.x	[DSR] 5.0.1 Deleted server group showing alarm	Customer Impact: Alarm will not clear until failover unless manual workaround is applied. Workaround: One way to make sure it clears is to not delete the old empty server group until its alarm has cleared (which will happen when you add the servers to the new groups). Also on NO failover, these alarms are all cleared, then re-raised on the new NO if the condition still exists. So it would clear on a failover as well.
19552760	3	DSR 5.x	DSR 5.0 - Configuration of DA-MP took 3 hours to execute script till completion	Customer Impact: Disaster recovery of MP servers could require extended maintenance window.
20384078	3	DSR 5.x	Alarm Events Do Not Show Up After a SOAM/NOAM Changeover	Customer Impact: After switchover of SOAM or NOAM customer may not be able to Alarm&Events logs from before the switchover.
19109938	3	DSR 5.x	[234101]The psbr process must set its HA state to OOS when it loses connection t	Customer Impact: If a PSBR server loses cmHA heartbeat with its peer due to IP network connectivity issue, the psbr process may remain OOS indefinitely.
19111328	3	DSR 5.x	[235229]PDRA 5.1: The NOAMP dashboard status displays "Site Provisioning disable	Customer Impact: After upgrade from DSR 41.5.28 to DSR 51.8, the NOAMP dashboard status displays " "Site Provisioning disabled", although provisioning is enabled on both sites. No functional impact.
19111423	3	DSR 5.x	[235310]DSR OAM: GLA Alarm Threshold (GlaAlarm) MO attribute keyword changes	Customer Impact: The format of the data in future SOAP interface queries will be affected.
19112511	3	DSR 5.x	[236181][GLA] Online help needs to be added for the GLA feature	Customer Impact: Customers may view a broken link - "Topic Not Found" error when attempting to access help from the GLA Configuration screen. However, customer documentation containing GLA configuration information is available online.
19112623	3	DSR 5.x	[236264][POOL] GUI:Failed to edit the group 'admin' permission on GUI	Customer Impact: User is unable to edit the admin permissions from GUI.

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19112798	3	DSR 5.x	[236407]DSR: Description of Peer Node's Alternate Implicit Route is incorrect	Customer Impact: No functional impact, but the current description could cause the user to misunderstand the functionality of Alternate Implicit Routing.
19113154	3	DSR 5.x	[236654][POOL] Minor discrepancies in PDRA BIE CSV file and GUI	Customer Impact: BIE Menu order does not match the GUI Left hand menu for Policy DRA....no impact to system or functionality.
19113242	3	DSR 5.x	[236726][POOL] Last Updated field does not get updated on Pcrf SubPool Selection	Customer Impact: Last Updated field does not get updated when user click 'Apply' button on Pcrf SubPool Selection Rule insert screen. No functional impact.
19113323	3	DSR 5.x	[236806][POOL]GUI: Remove red asterisk for PRT name on PCRFP2PRT Mapping Edit sc	Customer Impact: No customer impact. But this issue will mislead the customer about filling of PRT name under Policy DRA -> Configuration -> PCRF Pool To PRT Mapping.
19113353	3	DSR 5.x	[236830][POOL] Incorrect description in confirmation dialog when PCRF Pool maps	Customer Impact: No customer impact. But the customer will not be warned by confirmation dialog that the current PCRF Pool under change is currently used for bindings originating from at least one APN.
19113776	3	DSR 5.x	[237139][POOL] GUI: Missing error code 21200 when PCRF Peer Nodes are already co	Customer Impact: The customer may mis-insert a non-qualified PCRF into PCRF list.
19113817	3	DSR 5.x	[237171][POOL]GUI: No error displayed on PCRFs screen when field contains invali	Customer Impact: This issue may cause invalid characters(like non 7-bit ASCII printable characters) to be inserted into "Comments".
19114211	3	DSR 5.x	[237476][PDRA] MSISDN should only support 15 digits	Customer Impact: No customer impact. The customer will not be able to see an alarm when the length of MSISDN is greater than 15, but typically the length of MSISDN in the customer network should be 15.
19114308	3	DSR 5.x	[237554][POOL] " Audit " Suspend Duration of Event 22716 is not showing a su	Customer Impact: The customer will see incorrect information(suspend duration) from event 22716 when congestion is over.
19114637	3	DSR 5.x	[237820][POOL] GUI: Display the time zone as	Customer Impact: No customer impact. Time Zone is just displayed in a different

Bug Number	Severity	Release	Title	Customer Impact Statement
			abbreviation in Binding Query Repor	format than our internal requirements specify
19114744	3	DSR 5.x	[237907][POOL] GUI Missing red asterisk in Binding Key Priority screen for Bindi	Customer Impact: No customer impact.
19114754	3	DSR 5.x	[237916][GxP]: Measurement TxPdraAnswers-GeneratedForDiameterErr is not pegged fo	Customer Impact: Certain measurement peg counts for Gx' messages are not pegged in the required way.
19114908	3	DSR 5.x	[238022][POOL] BIE: Remove unused fields in Congestion Options CSV file	Customer Impact: No operational impact.
19114971	3	DSR 5.x	[238071]EDL: validation logic is incorrect	Customer Impact: Malformed peer-to-peer messages may result in connection drop.
19115064	3	DSR 5.x	[238151][POOL]Security Log: Update the Site/NW Options and Error Code screen nam	Customer Impact: No customer impact.
19115246	3	DSR 5.x	[238286]Device Configuration - after "Take Ownership", enslaving configuration o	Customer Impact: No functional impact. "baseDevice" will not be visible for bonded interfaces on GUI under "Configuration -> Network -> Devices".
19115268	3	DSR 5.x	[238297][POOL] IPv4/IPv6 BKQT reports show blank "Binding Creation Date/Time" fi	Minimal impact to usability - Documentation was updated to indicate this behavior.
19115366	3	DSR 5.x	[238361]DSR GUI: Application Route Table screen shows flat list of rules	Customer Impact: Application Route Table GUI configuration form can get into a incorrect state. User will get error, and must re-start the GUI form.
19115828	3	DSR 5.x	[238733]P-DRA CongOptions BIE format contains way too many fields	Customer Impact: No impact. Extra fields in the form may be left blank.
19116029	3	DSR 5.x	[238878]GLA does not add Failed AVP for 3xxx result code when IMSI and MSISDN pr	Customer Impact: Customer would need to use the following workaround. The workaround for this issue is to use the intended Diameter result code for this error case, 5007, Conflicting AVPs. That

Bug Number	Severity	Release	Title	Customer Impact Statement
				will result in IMSI and MSISDN being present in the answer message.
19116743	3	DSR 5.x	[239435]Auth-Application-Id AVP validation in DSR 5.1 with PDRA activated	Customer Impact: No impact. RAR messages without an Auth-Application-Id AVP are routed without any error. If one of the end points fails the call because of the missing AVP, DSR will be notified of the failure.
19116923	3	DSR 5.x	[239575][EAVP] Incorrect Result Code for Gx Prime DRL Queue full scenario	Customer Impact: In DRL queue full error scenarios, for Gx Prime message, the result code is set to the Gx Result code(2002) instead of GxPrime Result Code(9002) in the Error Code configuration screen.
19116929	3	DSR 5.x	[239578]EAVP: Measurement TxPdraAnswers-GeneratedForDiameterErr is not pegged for	Customer Impact: 10833:TxPdraAnswers-GeneratedForDiameterErr is supposed to be pegged for error condition DRL Queue full when trying to route a Request. In P-DRA Diameter Exception report, only TxCcxMsgDiscardedDueToDrlQueueFull is pegged but not TxPdraAnswersGeneratedForDiameterErr. Same is the case for Rx and GxPrime messages.
19117089	3	DSR 5.x	[239703][POOL] Validation needed on Session-Id AVP	Customer Impact: Allows for an invalid Session-Id to be used for reference and passed on to the PCRF. If the PCRF rejects the message because the Session-Id is not valid, then PDRA will handle that. However, if a client sends a "blank" Session-Id, we may not be able to create the session, even if the PCRF OKs the request.
19117140	3	DSR 5.x	[239747]PDRA: Last audit report for one of the old binding tables is not generat	Customer Impact: The last audit report before migration completes will be delivered. This is the only audit report missing. All audit reports prior will be delivered. All audit reports post-migration will be delivered.
19117177	3	DSR 5.x	[239775]LRGSYS:Status data is being merged to the NO	Customer Impact: This issue can result in reduced XMI bandwidth to the NOAM. The issue should be minimal since the data is only merged up when the connection status changes state.

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19117212	3	DSR 5.x	[239800]PSBR: In Pending RAR audit report, Num of Release PendingRar records not	Customer Impact: Inaccurate measurement count. Pending RAR audit report has data 'Number of Release PendingRar records not added due to max capacity'. But the report does not show the count of Release PendingRar records that could not be added because another record with same session id but different alternate key had already been added.
19117283	3	DSR 5.x	[239854][POOL] " BIE " PCRF Pools screen, the PCRF Pool Name "Default" valu	Customer Impact: Customer could delete the Default PCRF Pool Name value unknowingly, especially if the user follows the same logic that other attempts to delete the Default values are not allowed.
19117443	3	DSR 5.x	[239988]Replication failure on standby server is also causing the replication fa	Customer Impact: If replication to the Standby PSBR server fails, the replication barrier will also prevent replication to the Spare PSBR server. This would mean a potential loss of Session/Binding data if the Active server fails. Workaround: Recovery procedure is available.
19117659	3	DSR 5.x	[240158][Upgrade] " Browser hangs with connection error when NOAMP switches ac	Customer Impact: When upgrading PDRA systems it was sometimes observed that the browser hangs and will not refresh back to the login screen when the second NOAMP was "Prepared" (Upgrade screen). This would be the currently active NO. The failover does occur and the other NO does becomes active, verifying via a terminal window connected to the NO VIP as well as opening a new browser window/session. The browser displays the "Connection error"" in the upper left hand corner of the GUI. Workaround: The user can refresh the browser for the login screen to appear.
19117829	3	DSR 5.x	[240283]Alarm Thresholds for psbr.MemPerTotal need to be increased	Customer Impact: Customer may find system default settings, 70% minor, 80% major and 90% critical are not optimal for their network. If the default settings need to be changed they can be adjusted with help from Oracle support.

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19117922	3	DSR 5.x	[240355]PDRA: Services configuration not used for SOAP query for PCRF configurat	Customer Impact: If the customer wanted to use a different network for SOAP queries, they would not be able to.
19118400	3	DSR 5.x	[240743][PDRA] APN case is not saved when inserting an APN for which an existing	Customer Impact: No operational impact. If a new APN (APN never existed, ie. no retired APN exists either) is configured in the GUI the case is stored correctly. For example provision two APNs, "ABC" and 'def", and they would be stored exactly as typed (one uppercase, one lowercase). However, the APN "ABC" is deleted and then an APN with value "abc" (only difference being I changed it to lower case) is added, the APN is added, but still shows up as "ABC". The system will still work properly, but it may confuse the customer as to why case was not saved on the second "ABC" APN.
19118407	3	DSR 5.x	[240748]Software Management Upgrade screen constantly displays backup in progres	Customer Impact: After upgrade, if "Backup in Progress" is displayed on the upgrade screen, any defunct long running task processes must be deleted. Please contact support for assistance.
19118413	3	DSR 5.x	[240754][POOL] Spares taking too long to give up active status	Customer Impact: User will need to use the active server IP address until VIP is available. System will prevent the user from using the primary VIP to access the system. It will take a full hour for the primary VIP to be active after the Spare finally gives up its active status.
19118854	3	DSR 5.x	[241131]PDQ report header does not show HA state of NOAMP server	Customer Impact: No operational impact. The report that gets saved will not reflect the HA status of the NOAM server that generated the report.
19119158	3	DSR 5.x	[241339]apwSoapServer booted due to an error during route audit	Customer Impact: User will see alarm 10009(Config and Prov DB not yet synchronized) on the GUI, but signaling traffic is unaffected. The alarm can be cleared by rebooting the affected NO.
19119206	3	DSR 5.x	[241437]DSR GUI should not allow users to remove servers from server groups if i	Customer Impact: The DSR GUI currently allows the user to remove a server from a server group even though that server is referenced in one or more IPFE target sets.

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19119224	3	DSR 5.x	[241454]PDRA: Measurement 11311 TxPdraAnswers-GeneratedConfigErr is not pegged fo	Customer Impact: No signaling impact. This measurement is not pegged in this condition.
19119350	3	DSR 5.x	[241561]PDRA - Application enabling on DA-MP when some SBR resources are not ava	Customer Impact: The DA-MP server will come into service even if it does not have a valid connection to all Binding and Session sub resources. If it has connections to some Binding and Session sub resources it will come into service. The intention was for the DA-MP to provide no service until it has all connections. It will instead provide some service.
19119355	3	DSR 5.x	[241567]Major upgrade time from DSR 41.20.1 to DSR 51.18.0 now exceeds requireme	Customer Impact: The major upgrade from DSR 4.1.5 to DSR 5.1 on a large PDRA system is no longer able to be executed within the maintenance upgrade window.
19119404	3	DSR 5.x	[241603][POOL] SO Site Option configured PRT removal could look cleaner (major u	Customer Impact: No operational impact.
19119405	3	DSR 5.x	[241604][POOL] MSISDNs rebound to new IMSI on different PCRF not updating origin	Customer Impact: No impact to customer. It just deals with which tables are used.
19119407	3	DSR 5.x	[241606]idbsvc abtermed on stdby binding pSBR with large number of binding recor	Customer Impact: Loss of redundant binding pSBR until process restarts.
19119420	3	DSR 5.x	[241615][POOL] BIE- PCRF Pool to PRT Mapping import errors when when no APN is m	Customer Impact: User could encounter errors with Bulk import when there is a misconfiguration.
19119561	3	DSR 5.x	[241724]PDRA: Full disaster recovery puts application in unstable state	Customer Impact: This can extend the duration of the disaster recovery and requires Oracle support to resolve.
19119801	3	DSR 5.x	[241888]Alarm Export disabled during Upgrade Window	Customer Impact: User will not be able to export event log CSV file during upgrade. Workaround is to use Report button to create the report in non plain text format and view it.

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19119879	3	DSR 5.x	[241947]Site failover/failback results in Alarm 31283 - HA disconnected from Ser	Customer Impact: Invalid alarm seen on system.
19120152	3	DSR 5.x	[242158]MSISDN Binding query report showing two binding data for the same MSISDN	Customer Impact: No Impact to signaling. The MSISDN Binding Query Report will not match the IMSI Binding Query Report for Same Information. This might confuse the user but the data being displayed in accurate, however not sorted correctly.
19120392	3	DSR 5.x	[242333]DSR 5.1: Problem with Measurements 11354 and 11357	Inaccurate measurements pegged for PsbrImsiSrRemovedByAudit and PsbrMsisdnSrRemovedByAudit. Measurement "PsbrImsiSrRemovedByAudit" shows the count of MSISDN Session References deleted by Audit. Measurement "PsbrMsisdnSrRemovedByAudit" shows the count of IMSI Session References deleted by Audit.
19128609	3	DSR 5.x	DSR 5.1 Measurement 10865 is pegged twice for Binding Dependent Sessions	Customer Impact: Inaccurate measurement pegged for PsbrStaleSessionRemoved. When session audit cleans up a binding dependent session, it is incrementing the measurement 10865 (PsbrStaleSessionRemoved) by two instead of one.
19679676	3	DSR 5.x	PSBR KPIs displayed on NO and PDRA servers	Customer Impact: Inconsistent report output. The PSBR KPIs is not applicable to NO server, but it displays "0" value while the other NO server(standby), SO, PDRA, IPFE,etc show "blank".
19100327	3	DSR 6.x	[226656]DSR OAM: Cleanup terminology, wording, descriptions, etc.	No functional Impact: DSR OAM GUI. GUI screens have not been completely revised to Cleanup terminology as noted in PR.
19100665	3	DSR 6.x	[226930]DSR OAM Capacity Validation Updates	Minimal Customer Impact: IPFE Configuration modification. User may not receive certain validation errors during IPFE configuration modification.
19112198	3	DSR 6.x	[212585]Alarm 31207 Process Resource	Customer Impact: If a Customer has a large system(1000s of connections), it is possible that Alarm 31207 Process

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			Monitoring Fault continuously seen	Resource Monitoring Fault can appear during times of congestion.
19113470	3	DSR 6.x	[236900]require gateway when trying to delete a route to prevent device from be	Minimal Customer Impact: netAdm delete command. The "netAdm delete" command "gateway" should always be specified to avoid deleting the associated network device.
19113920	3	DSR 6.x	[237257]GUI does not validate duplicate entry for command code Name	Minimal Customer Impact: The GUI allows the user to enter a duplicate command code itself must be unique. The duplicate name can be modified or the entry can be deleted.
19113942	3	DSR 6.x	[237276]DPI-specific changes - remove product references; also Diameter Common	Customer Impact: No functional impact.
19114394	3	DSR 6.x	[237622]DSR OAM: Referential database integrity must be supported in the DSR OAM	Minimal Customer Impact: Multiple users should not update related managed objects simultaneously.
19114765	3	DSR 6.x	[237923]Measurement 10149 (RxConnOversizedMsg) not pegged for CER msg	Minimal Customer Impact: Inaccurate measurement count. Oversized CER messages are not counted towards total oversized messages.
19115278	3	DSR 6.x	[238303]"CFG-DB Validation Error" alarm text to be more user friendly when deact	Minimal Customer Impact: DSR alarm will not clearly state a recommended resolution. DSR application deactivation is a non-standard procedure, that should be performed by Oracle personnel.
19115298	3	DSR 6.x	[238315]DRL should set ID of selected MP when sending connection release event t	Minimal Customer Impact: Alarm 22343 The local DA-MP ID is displayed in event 22343 instead of the selected DA-MP.
19115574	3	DSR 6.x	[238524]Incorrect measurement value "TmConnEnabledNotAvail" in DSR 60.7.0	Minimal Customer Impact: Incorrect measurement value On DA-MPs that are in a TSA, but end up not hosting an IPFE connection, incorrect data for the TmConnEnabledNotAvail (Enabled but Unavailable) will be reported. This will affect rolled up numbers for the connection (for example, if viewed at the SO level). This only affects IPFE connections.

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19116714	3	DSR 6.x	[239412]DSR:When adding new servers in Configuration->Servers screen Interfaces	Minimal Customer Impact: Server Configuration Error: If this issue is encountered user can cancel out of screen and re-enter configuration data.
19117552	3	DSR 6.x	[240076][M2D] BIE: Several attributes use values that are not consistent with FD	Customer Impact: No Functional Impact: GUI confirmation case is incorrect Exported data contains capital 'YES/NO' while the FD suggests the values to be in camel case 'Yes/No'.
19118019	3	DSR 6.x	[240435]DSR5.0 to DSR6.0: Major upgrade takes 40 to 45 mins per server	Customer Impact: Upgrade could require longer maintenance window to complete. Upgrade Time Expectancy: Upgrade from DSR 5.0 to 6.0 will require longer maintenance window to complete. Major upgrade will take 40 to 45 minutes per server.
19119257	3	DSR 6.x	[241476]DSR restart, disabling/enabling connections during CER/CEA timeouts	Minimal Customer Impact: CER timeout In a rare case where all connections are disabled/enabled while DSR is sending CERs to a peer node with an invalid IPv6 route, memory corruption may result, causing the dsr process to restart on the affected MP server. The issue clears after the restart, so impact is minimal.
19119344	3	DSR 6.x	[241556]Add new MP Profile parameters to existing set of MP Profiles	Customer Impact: No functional impact: The new parameters could make MP profiles easier to chose during DSR application deployment.
19137947	3	DSR 6.x	[241815]OCUDR[GUI]: SPR Application Title name is showing incorrect in SO GUI.	Minimal Impact: This only impacts the UDR product by not having a method to replace the DSR product name on the SO GUI.
19216755	3	DSR 6.x	(CEX Host IP Validation Enabled) checkbox can not be modified after saved	Minimal Customer Impact: Configuration Error User is not able to modify the "CEX Host IP Validation Enabled" checkbox after initial creation of the configuration set. The workaround is to delete the connection configuration set and re-enter it.
19306717	3	DSR 6.x	DSR upgrade: does not handle NO activity change well	Potential Upgrade Event: Unexpected NOAM role change Unexpected DSR NOAM role changes during an upgrade can result in misleading upgrade status information. Workaround: Check the

Bug Number	Severity	Release	Title	Customer Impact Statement
				release version of the server to tell if the upgrade is finished successfully. At this point, it is suggested that the user force a change-over back to the original NO that was monitoring/administering the upgrade.
19345468	3	DSR 6.x	AppWorks updateServerAliases script does not work after disaster recovery on NO	Minimal Customer Impact: Dual NOAM DR fails When recovering a DSR system (disaster recovery) where both the active AND standby NOAMs are dead, the script used to recover the /etc/hosts files fails. The hosts must be entered manually to recover. When recovering a DSR system (disaster recovery) where both the active AND standby NOAMs are dead, the script used to recover the /etc/hosts files fails. The hosts must be entered manually to recover. When recovering a DSR system (disaster recovery) where both the active AND standby NOAMs are dead, the script used to recover the /etc/hosts files fails. The hosts must be entered manually to recover.
19384991	3	DSR 6.x	DSR stuck alarm 10009 - Config and Prov db not yet synchronized	Customer Impact: Alarm 10009 will not automatically clear.
19402375	3	DSR 6.x	migration script with IPv6 aborts because of compressed IPv6 IPs in db	Minimal Customer Impact: Unable to migrate IPv6 MPs User will not be able to do migration from Active/Standby to Active/Active configuration if MPs have IPv6 IP Addresses. Workaround: Before migration Change the format of IPv 6 Addresses in Network table, those should be in expanded form like "fd0d:deba:d97c:0ee5:0000:0000:0000:0000".
19440602	3	DSR 6.x	Default Arrayed Measurement CSV File contains ALL Arrayed Measurements	Customer Impact: Measurements are repeated in some CSV files. Workaround: Disregard the repeated measurements.
19446813	3	DSR 6.x	IDIH - GLA Metadata - pSBR Response metadata not present on IMSI queries	Customer Impact: After successful GGR/GGA query for IMSI, there is metadata for the Query Event but not for the Response. However there is minimal impact, because the results of the pSBR query are extracted and formatted into the GLA answer message. Workaround:

Bug Number	Severity	Release	Title	Customer Impact Statement
				The workaround is to examine the GLA answer message. It will contain similar information as that produced from the pSBR queries.
19449678	3	DSR 6.x	Comm Agent Alarm 19800 is reported with incorrect PRODUCT: value (AwpSS7)	Customer Impact: This is a presentation issue. The customer will get a wrong product information for comagent alarm 19800.
19467564	3	DSR 6.x	[M2D] Diam-to-MAPInsSubData incorrect trans of Pre-emption AVPs	Customer Impact: Allocation-Retention-Priority AVP values are opposite of what is expected. In the Allocation-Retention-Priority AVP; If the Pre-emption-Capability AVP is not present, the default value shall be PRE-EMPTION_CAPABILITY_DISABLED (1). If the Pre-emption-Vulnerability AVP is not present, the default value shall be PRE-EMPTION_VULNERABILITY_ENABLED (0). The DSR does a direct copy from the AVP into this field so we get the opposite of what is expected (ie; 1 for disabled, 0 for enabled)
19508974	3	DSR 6.x	[M2D] SS7-MP memory leak occurs when running overload traffic for several hours	Customer Impact: None. Traffic runs successfully at supported traffic rate.
19509892	3	DSR 6.x	Inetrep abterm on Standby & Spare SBR servers during upgrade with schema change	Customer Impact: No impact to service or data. Event report is filled with 31102 and 31103 in View History during upgrade window.
19531576	3	DSR 6.x	APDE Events file showed a line count, but file did not log any data.	Customer Impact: No funtional impact. This is a usability issue. The customer will not be able to see the events as the report file is empty.
19552987	3	DSR 6.x	DB inconsistency b/w PSBR active server (64 frags) and standby server (8 frags)	Customer Impact: Potential Upgrade Event: When PDRA customer upgrades from DSR 5.x/6.x to DSR 7.x, then upgrading a standby and spare "Session Server" Group, will potentially lead to "session data loss".
19911799	3	DSR 6.x	BIE broken after upgrade due to symbolic link created in backout procedure.	Minimal Customer Impact: Bulk Import/Export for IPFE cannot be used until a manual workaround is performed. Workaround: Removed symbolic link on all SOAM servers (wsdl ->

Bug Number	Severity	Release	Title	Customer Impact Statement
				/usr/TKLC/ipfe/gui/wsdl) from /usr/TKLC/dpi/wsdl/Ipfe. $ cd /usr/TKLC/dpi/wsdl/Ipfe $ sudo unlink wsdl
20145717	3	DSR 6.x	Diameter maint screens reports "Sorry, an error occured" when no DA-MP leader	Customer Impact: Users cannot use the Diameter Maintenance GUI to assess the health of their signaling network. This affects the Diameter Troubleshooting and/Serviceability at SITE level using Diameter Maintenance screens.
20325253	3	DSR 6.x	IPv6 Only DSR: [32308] Server provisioning Network Error after enabling Ping	Customer Impact: No impact to traffic. The ping test doesn't work on the IPv6 link local address.
19106500	3	DSR 6.x	[231464]Remove all causes for continuous DSR process restart	Customer Impact: Missing Alarm. Customer may not receive an alarm if the DA-MP encounters a critical fault during initialization causing the DA-MP to continuously restart.
19114314	3	DSR 6.x	[237558]upgrade - Upgrade Manager form extra re-load consumes time	Potential Upgrade Event: Large Topology Upgrade Manager After an upgrade command (Prepare/Initiate/Complete) is executed, there is a secondary form which renders, the user navigates back to the Upgrade Form and the filtered Upgrade Form is re-loaded. This re-load may take a significant time in a large topology.
19115986	3	DSR 6.x	[238855]DCLv2::Event 22345 (CplChanged) should include all the sources as per Co	Minimal Customer Impact: GUI Error: Missing Sources in Diameter->Maintenance->Connection Status. User will see a valid source, but may not see all sources. Diameter->Maintenance->Connection Status will give all current sources of CPL > 0. For Events, the history of the connection will provide valid sources, and if multiple sources exist, then they may appear in older records. (Knowing all sources of CPL via events is normally not necessary)
19116751	3	DSR 6.x	[239443]DSR6.0 SSST[M2D]: Changing HA Role of SS7-MP does not initiate controlle	Minimal Customer Impact: GUI Error: HA SS7-MP will not change HA role On the "Main Menu: Status & Manage -> HA" GUI screen, if you change the HA role of

Bug Number	Severity	Release	Title	Customer Impact Statement
				an SS7-MP to OOS, this action will not initiate a graceful shutdown of the mapiwf process. The mapiwf process will remain up and running on the SS7-MP.
19117425	3	DSR 6.x	[239975][M2D-60.10.0-RMS]: Comm Agent Connection Down on SS7-MPs w/ ACT/STBY DA-	Minimal Customer Impact: Unwanted ComAgent Major Alarms"ComAgent Connection Down" alarms for the standby DA-MP are safe to ignore.
19117991	3	DSR 6.x	[240409]DSR Upgrade [Prepare] form red Active indication is misleading	Customer Impact: Potential Upgrade Event: GUI error, Active indication error When performing the upgrade or allowing the upgrade to proceed due to a misleading indication.
19135720	3	DSR 6.x	Policy DRA -> Configuration -> Congestion Options on SO has no edit warning	Minimal Customer Impact: GUI error Policy DRA -> Configuration -> Congestion Options on SO has no edit warning. User will not get the usual warning, "[Warning Code 001] - Global provisioning using this screen is only permissible from an Active Primary Network OAM&P server".
19209874	3	DSR 6.x	SNMP Notifications Contain Redundant Text	Minimal Customer Impact: SNMP Notifications Contain Redundant Text Extra "Notify" at end of affected notifications.
19327392	3	DSR 6.x	DM-IWF Alarms / Measurements descriptions needs to be updated as per user doc	Minimal Customer Impact: GUI Error Missing DM-IWF Alarms and Measurement descriptions. For scenarios wherein request and answer messages received from DRL by DM-IWF application whose size are greater than "DiameterMaxMessageSize" following alarm wouldn't be displayed on GUI: Alarm Id: 33015 Alarm Name: DM-IWF Diameter message size exceeded maximum supported size Alarm Description: DM-IWF failed to forward the Diameter message to SS7-MP because the message size exceeds supported maximum message size. Workaround: This scenario can still be tracked by following measurement: Measurement Id: 15641 Measurement description: Number of diameter messages received from DRL that got rejected because diameter message size exceeded

Bug Number	Severity	Release	Title	Customer Impact Statement
				supported maximum. Measurement Group: DM-IWF Exception
19403575	3	DSR 6.x	Filtering using "Protocol" Option not working on Base, Custom and All-AVP Dict	Minimal Customer Impact: GUI error Filtering using "Protocol" Option not working on Base, Custom and All-AVP Dictionary. AVPs cannot be filtered by "Protocol" on AVP dictionary screens.
19403590	3	DSR 6.x	Filter box in Connection screens jumbled up when Info box is present.	Minimal Customer Impact: GUI display error User will need to reload the screen again with or without filter.
19403614	3	DSR 6.x	Issues in MainMenu->IPFE->Configuration->Options screen	Minimal Customer Impact: GUI display error No impact to signaling or configuration. Clicking Ok or Apply on the Options screen will result in popup in IE or redirection in Firefox. Workaround: Refresh Options screen by clicking on the menu hierarchy.
19403630	3	DSR 6.x	Error on MainMenu->IPFE->Configuration->TargetSets screen	Minimal Customer Impact: GUI display error Delete of TargetSets from GUI versus delete via Bulk Import/Export are not working the same. If user has deleted a record from the GUI, a subsequent Bulk Import can't re-insert the same record.
19403712	3	DSR 6.x	Error on MIWF(NO) Diameter Realm screen	Minimal Customer Impact: GUI display error MIWF(NO) Diameter Realm: Sorting for same type of fields i.e. Last and third to last column is just opposite from each other.
19403735	3	DSR 6.x	MIWF (NO)Diameter Identity GTA Screen	Minimal Customer Impact: GUI display error Sorting on the field named "Authentication Internetworking Needed" results in the fields being sorted in the following order: No, Yes, Use realm setting.
19403759	3	DSR 6.x	MIWF(NO) GA Range to PC: "Load Sharing" sorting is not working	Minimal Customer Impact: GUI error User will not be able to sort by "Load Sharing" in the MIWF(NO)GA Range to PC GUI.
19403786	3	DSR 6.x	FABR Address Resolution: Filtering is not working for Application name	Minimal Customer Impact: GUI error User will not be able to filter based on the Application Name. User can still be able to filter on the other fields.

Bug Number	Severity	Release	Title	Customer Impact Statement
19403790	3	DSR 6.x	FABR Address Resolution: Sorting not working for Prefix Search Enabled	Minimal Customer Impact: GUI display error Clicking the header on the Prefix Search Enabled column in Main Menu: FABR -> Configuration -> Address Resolutions screen causes the data to be disappeared from the screen grid. The column by requirement are non-sortable. There is no sorting which is possible for this column. Clicking on this columns shall do no sorting.
19403800	3	DSR 6.x	FABR Address Resolution: Sorting not working for BlackList Search Enabled	Minimal Customer Impact: GUI error Clicking the header on the Blacklist Search Enabled columns in Main Menu: FABR -> Configuration -> Address Resolutions screen causes the data to disappear from the screen grid. The columns by requirement are non-sortable. There is no sorting which is possible for these columns. Clicking on this columns shall do no sorting. Workaround: Click on the FABR -> Configuration -> Address Resolutions Menu again to display all records.
19449633	3	DSR 6.x	Upgrade - Incorrect default (0) for Connection Count in Server Group	Customer Impact: GUI will show an incorect value until it is manually updated by user. Workaround: Update the value of the text field via the gui. Use 1 unless another specific connection limit is desired.
19538108	3	DSR 6.x	ComAgentEgressQueue is getting full while executing 100%Fabr-Diwf Chaining Case.	Customer Impact: Peformance of FABR-DIWF application chained traffic will be impacted. ComAgent Egress task utilization will be high even at relatively low traffic load.
19570299	3	DSR 6.x	Upgrade GUI form - takes more than a minute to refresh Upgrade State change	Customer Impact: No operational impact. After selecting the "Accept" button on the form, the form re-paints itself after one second, but the Upgrade State is still shown as "Accept or Reject". The Minor alarm then clears withing a few seconds, but the "Upgrade State" indicator takes about a minute to refresh.
19593584	3	DSR 6.x	iDIH 6.0: Incorrect Command code values of messages of Cx interface shown on DSR	Customer Impact: User will see incorrect command codes values in the GUI pull-down menu. On SOAM GUI Diameter -> Configuration -> Command

Bug Number	Severity	Release	Title	Customer Impact Statement
				Codes drop-down is preconfigured with command codes the values as: 283-UAR/UAA 284- SAR/SAA 286-MAR/MAA But Cx interface specifications show command codes as: 300- UAR/UAA 301- SAR/SAA 303-MAR/MAA Workaround: User can add new command code in "Diameter->Command Codes" menu on SOAM GUI.
19846895	3	DSR 6.x	PRT filter is not working as expected	Customer Impact: Main Menu: Diameter -> Configuration -> Peer Route Tables filter "OrigHost = " does not work.
19905484	3	DSR 6.x	PDRA Topology Hiding table limit exceeded after upgrade from 5.0.1	Customer Impact: In DSR 6.0, the capacity of the PDRA Topology Hiding table was lowered to 1000 entries. If over 1000 enteries were provisioned prior to upgrade, upgrade can be successfully completed however
20145170	3	DSR 6.x	Section 4.8.2 E4118 admusr can not create change_ilo_admin_passwd file	Customer Impact: None. User can create file as root user during installation.
20145631	3	DSR 6.x	Sample change_ilo_admin_passwd.xml file in ES4118 does not match sample in ISO	Customer Impact: None. User can modify file during installation as needed.
19116369	2	DSR 7.0	[239127] Backout of an Entire network from 5.0 GA (50.21.0) to 4.0(40.27.3) failed	Customer Impact: 19116369 is fixed in DSR 7.0, but applies to releases forward (i.e. backout from DSR 7.1 to 7.0). Backout from DSR 7.0 to previous DSR release requires a workaround to start the httpd service.
20032752	2	DSR 7.0	Large CER may cause abterm due to watchdog timeout	Customer Impact: Excessively repetitive AVPs in CER can cause DSR process to timeout and abterm. Workaround: Have customer adjust CER to a valid configuration that matches DSR configuration.
20199615	2	DSR 7.0	Upgrade from 5.1 to 6.0/7.0 failed in mediation upgrade script	Customer Impact: After upgrade to DSR 7.0.0 software release, the customer will not be able to view or administrate mediation templates and rules. Fresh

Bug Number	Severity	Release	Title	Customer Impact Statement
				installations of DSR with DSR 7.0.0 software are not impacted. See *Oracle MOS ALERT Document 2007852.1* for complete details.
19115937	3	DSR 7.0	[238811]Update format of Error-Message AVP when DSR generates a Diameter Answer	Customer Impact: No operational impact. ErrorMessage AVPs are added to assist customer/Oracle with debugging. Currently ErrorMessage AVPs are not always in the exact same format. Workaround: Read string information presented to debug. The necessary information should be present, just the format may be slightly different.
19119199	3	DSR 7.0	[241432]Peer Route Rule fetchAll is very slow	Customer Impact: The Peer Route Rule and Application Route Rule's fetchAll are very slow. Fetching 250 records can take around 35 seconds. Fetching large sets of Peer Route Rules via SOAP is causing the requests to time out.
19120515	3	DSR 7.0	[242439]IPFE: Two errors displayed for 'Peer Node Distribution Threshold' missin	Customer Impact: With no entry for 'Peer Node Distribution Threshold' parameter in the IPFE -> Configuration ->Target Sets, two errors are displayed. Error 001 and Error 19510. Workaround: None required. This is a cosmetic issue where 2 errors show up where 1 would have sufficed.
19589251	3	DSR 7.0	TVOE Upgrade to the same release causes Upgrade failure	Customer Impact: There will be a failed upgrade alarm indicating that an upgrade was attempted but not completed (since no upgrade actually occurred). It will identify that the user incorrectly attempted to upgrade to the same release. Workaround: There is no impact to system other than the upgrade alarm. Perform steps to clear the alarm then perform the correct upgrade.
19638376	3	DSR 7.0	SBR servers taking more than 1 sec to switchover, too slow	Minimal Customer Impact: The slow switchovers happen when the servers are completely idle. In the case of completely idle servers not handling traffic, there is no service impact.

Bug Number	Severity	Release	Title	Customer Impact Statement
19679630	3	DSR 7.0	Missing AVPs in Vendor-Specific-Application ID not causing error msg	Customer Impact: Connection is established instead of rejected with an error response.
19706654	3	DSR 7.0	DCLv2: CER with invalid length causes connection to become stuck	Customer Impact: Connection will not attempt to establish until it is disabled and re-enabled. Workaround: Disable and re-enable the connection.
19722536	3	DSR 7.0	DCLv2: DSR does not respond correctly to DWR & DPR messages with invalid lengths	Customer Impact: DWx and DPx messages with invalid length are still processed.
19881753	3	DSR 7.0	Measurement 10175 not being pegged as required	Customer Impact: 10175 is only pegged when the peer sends a CEA with a failure result code.
19885259	3	DSR 7.0	TH applied on corrupted messages can cause undesirable behaviour	Customer Impact: A corrupt message may be discarded by DSR. If a corrupt message somehow gets TH (topology hiding) applied, gets through request processing and during re-encode hits an exception, then TH will try to undo its work, which may result in another exception and message discard. Workaround: Disable TH to determine why corrupt message is being received, correct source, and then reenable TH.
20045979	3	DSR 7.0	Permission of "/var/TKLC/rundb/run/db" incorrect after DR of SOAM servers	Customer Impact: When logging into the SOAM VIP after execution Section 5.1.5 of E57521-01, the GUI reports no servers at the Status & Manage Server screen. The GUI also reported "Failed to get WSSE password" at the Status & Manage HA and Status & Manage Database screen. Workaround: Change permission of "/var/TKLC/rundb/run/db" directory from 700 to 777.
20138567	3	DSR 7.0	[STP7.0] Unable to download backup files resulting from backupAllHosts	Customer Impact: The file permissions need to be changed so that the backup files can be downloaded. The backupAllHosts command is being removed from the upgrade procedure in DSR 7.0.
20198495	3	DSR 7.0	[STP7.0] IPFE Conn starving Fixed Conn due to (upgrade related) MP outage	Customer Impact: If IPFE initiators and responders are co-located and many peer nodes are attempting to establish

Bug Number	Severity	Release	Title	Customer Impact Statement
				connections while DA-MPs are reloading resources can get allocated in an unbalanced way that keeps some initiator connections from establishing. Workaround: Restart some of the IPFE responder connections. This will free resources for initiators to establish, and the responders will get moved to a DA-MP with capacity.
20237972	3	DSR 7.0	[STP7.0] Hardware Config Error: 32 CPU(s) on the system, found "31" instead	Customer impact: No impact other than a syscheck alarm. Workaround: Value can be changed as required for expected number of CPUs to clear the alarm.
20353877	3	DSR 7.0	[PerfCap7.0] High dsr.Cpu percentage running FABR at 35K MPS on a G6	Customer Impact: If a G6 or G7 card is routing traffic, and hits the maximum engineered load for that profile type it can hit Danger of Congestion. Depending on the configuration, it may discard some traffic at that point. Note that: - Routing alarms will be raised (Minor/Major/Critical) well before the DA-MP reaches maximum routing rate. - This also depends on the configuration of the DA-MP (number of connections, type of traffic, amount of cross-DA-MP routing), so not all configurations will encounter congestion. - G8 DA-MPs did not display this behavior. They did not reach Danger of Congestion when at max-rated load. Workaround: Since this is load related, monitor for routing alarms, and if they are reached, divert traffic to other DA-MPs by moving connections.
20410923	3	DSR 7.0	Binding SBRs running out of memory while filling up SBR binding/session DB	Customer Impact: No operational impact when running within supported maximum bindings/sessions. Warning alarms will be present on GUI. If supported bingings/sessions are exceeded SBR process may fail. Workaround : Monitor alarms and stop traffic before SBR runs out of memory.
20411059	3	DSR 7.0	LRGSYS:Updates to the /etc/hosts for a server in a large topology is slow	Customer Impact: There is a delay in deploying new servers. The delay gets higher as the topology size increases.

Bug Number	Severity	Release	Title	Customer Impact Statement
20488985	3	DSR 7.0	MAPIWF non-compliant with 3GPP TS 29.002 in regards to CheckImei_Arg processing	Customer Impact: EIR traffic cannot be processed.
20495654	3	DSR 7.0	[LRGSYS] certain screens in Large Topology DSR take long time to display	Customer Impact: Screen rendering is delayed on very large topologies.
20509743	3	DSR 7.0	[LRGSYS] certain TAB'ed screens in Large Topology take long time to display	Customer Impact: Screen rendering is delayed on very large topologies.
20512692	3	DSR 7.0	MAPIWF EIR fails to interop with Eagle	Customer Impact: EIR responses will be discarded.
20539431	3	DSR 7.0	[PerfCap7.0] Unexpected SCTP Connection Impaired alarms on non-MH connections	Customer Impact: Minor alarm is raised against a SCTP connection and stays raised. Traffic is not impacted.
19773691	3	DSR 7.0	[comcol] False alarm generated stating time is 1,278,385,514 seconds behind	Customer Impact: Alarm was generated after rebooting all SBR servers. The alarm automatically clears in 5 minutes and has no impact to replication functions. Workaround: None required
19822940	3	DSR 7.0	Incorrect connection resolution when mandatory AVP is missing	Customer Impact: When a CER is received on SCTP connection with missing mandatory Host-IP-Address AVP, DSR responds with CEA 5012 DIAMETER_UNABLE_TO_COMPLY when it should close the connection without sending a CEA.
19846672	3	DSR 7.0	OCDRA- Average Measurements are showing half value than actual value	Customer Impact: Some of the Avg measurements for the entire network work may not show the correct values. Workaround: Use the Average measurements value per Server.
19903633	3	DSR 7.0	dsr process not exiting cleanly when under load	Customer Impact: No impact to normal DSR operation. This was encountered during reboot of a TVOE host with DAMP guests. Dsr process will not gracefully shutdown when traffic is running. Workaround: Disable connections before reboot.
19942448	3	DSR 7.0	Appwork to display "Policy and Charging Session" for the RD profile name	Customer Impact: GUI screen Configuration -> Resource Domains , Resource Domain Profile name shows

Bug Number	Severity	Release	Title	Customer Impact Statement
				"Policy Session". All the other descriptions and documents are referring "Policy and Charging Session". This might confuse the customer when they configure the system. Workround: None
20078150	3	DSR 7.0	[Upg 7.0] Certain Upgrade/Backouts unable to finish within 4hr maint window	Customer Impact: Customer may require extended and/or multiple maintenance windows to schedule upgrade activities.
20199376	3	DSR 7.0	DSR Netconfig 4948 Templates need to include IMI VLAN on Managament server links	Customer Impact: Potential installation issue. IDIH configuration utilizes the IMI network which provides the ComAgent data feed from the DSR to the IDIH mediation server.
20199738	3	DSR 7.0	DSR L2D3 HW profiles updates for bond eth21 and eth22 for bond1	Customer Impact: None. User can modify file during installation as needed.
20229011	3	DSR 7.0	[7.0 SSST]IPFE conns didn't re-establish through mate IPFE if active cold booted	Customer Impact: No operational impact when IPFE redundancy is configued. Workaround: Avoid setting PairB to PairA simultaneously with setting PairA to Empty in IPFE->Configuration->Options. If such a sequence of settings is required, then restart both IPFE processes after committing the settings.
20326797	3	DSR 7.0	NetConfig DSR_RMS_Productization XML files need update to match TR007187	Customer Impact: Potential installation issue. During installation additional steps are required for Rack Mount Servers(RMS), Topology 1 or 2 with more than 3 RMS.
20345594	3	DSR 7.0	Create Network Entry Allows Duplicates	Customer Impact: Minimal impact. The duplicate network can be removed. Workaround: The duplicate network can be removed if it is accidentally added.
20431417	3	DSR 7.0	[STP 7.0]Typo in Event 22700 Protocol Error - Invalid IPv6 Address Length	Customer Impact: Typo in the alarm might be misleading
20440552	3	DSR 7.0	LRGSYS: Backup Failure Alarm 10020 seen on MPs	Customer Impact: This can result in a stuck 'backup failed' alarm on some MPs. This issue has not been observed in the field. It has only been created in lab situations. Workaround: The alarm alarm can be manually cleared.

Bug Number	Severity	Release	Title	Customer Impact Statement
20463284	3	DSR 7.0	[STP7.0] Syscheck::cpu: FAILURE:: 32 CPU(s) NumOriginalCpus file empty	Customer impact: No impact other than a syscheck alarm. Workaround: Value can be changed as required for expected number of CPUs to clear the alarm.
20523211	3	DSR 7.0	[STP 7.0] - Typo in output of upgradeHealthCheck status with daMpStatus argument	Customer Impact: No operational impact. This is reporting a typo in a script output. The output is still clear. Workaround: No workaround required. This is a typo.
20482893	2	DSR 7.0	LRGSYS: Inetmerge Overload Handling improvements	Customer Impact: No impact to signaling performance. Large topology systems could experience delayed GUI performance (flow to the NOAMs from the B and C level servers) as well as excessive memory usage on the SOAMs which could result in SOAM activity switchover.
20630266	3	DSR 7.0	PCA activation, feature not visible in GUI of sites 2/3	Customer impact: None. Installation document has been updated. Workaround: Procedure changes added to the installation document to address this issue in DSR 7.0, while the code fix will be implemented in a future release.

Chapter

7

Oracle References and Services

Topics:

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, 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 one of the following options:

    - For Technical issues such as creating a new Service Request (SR), Select **1**
    - For Non-technical issues such as registration or assistance with MOS, Select **2**

You will be connected to a live agent who can assist you with MOS registration and opening a support ticket.

MOS is available 24 hours a day, 7 days a week, 365 days a year.

Emergency Response

In the event of a critical service situation, emergency response is offered by the Customer Access Support (CAS) main number at 1-800-223-1711 (toll-free in the US), or by calling the Oracle Support hotline for your local country from the list at *http://www.oracle.com/us/support/contact/index.html*. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

A critical situation is defined as a problem with the installed equipment that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical situations affect service and/or system operation resulting in one or several of these situations:

- A total system failure that results in loss of all transaction processing capability
- Significant reduction in system capacity or traffic handling capability
- Loss of the system's ability to perform automatic system reconfiguration
- Inability to restart a processor or the system
- Corruption of system databases that requires service affecting corrective actions
- Loss of access for maintenance or recovery operations
- Loss of the system ability to provide any required critical or major trouble notification

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with Oracle.

Customer Training

Oracle University offers expert training on Oracle Communications solutions for service providers and enterprises. Make sure your staff has the skills to configure, customize, administer, and operate your communications solutions, so that your business can realize all of the benefits that these rich solutions offer. Visit the Oracle University web site to view and register for Oracle Communications training: *education.oracle.com/communication*. To reach Oracle University:

- In the US, please dial 800-529-0165.

- In Canada, please dial 866-825-9790.

- In Germany, please dial 0180 2000 526 (toll free) or +49 8914301200 (International).

- In Spain, please dial +34 91 6267 792.

- In the United Kingdom, please dial 0845 777 7 711 (toll free) or +44 11 89 726 500 (International).

For the appropriate country or region contact phone number for the rest of the world, please visit Oracle University's web site at *http://www.oracle.com/education/contacts*.

Locate Product Documentation on the Oracle Technology Network Site

Oracle customer documentation is available on the web at the Oracle Technology Network (OTN) site, *http://docs.oracle.com*. You do not have to register to access these documents. Viewing these files requires Adobe Acrobat Reader, which can be downloaded at *http://www.adobe.com*.

1. Access the Oracle Technology Network site at *http://docs.oracle.com*.
2. Click **Industries**.
3. Under the Oracle Communications subheading, click the **Oracle Communications documentation** link.
   The Oracle Communications Documentation page appears with Tekelec shown near the top.
4. Click the **Oracle Communications Documentation for Tekelec Products** link.
5. Navigate to your Product and then the Release Number, and click the **View** link (the Download link will retrieve the entire documentation set).
   A list of the entire documentation set for the selected product and release appears.
6. To download a file to your location, right-click the **PDF** link, select **Save target as**, and save to a local folder.

Locate Product Release Software on the Oracle Software Delivery Cloud Site

Oracle Communications software is available for electronic download at the Oracle Software Delivery Cloud (OSDC) site, *https://edelivery.oracle.com*. Only authorized customers with a valid password may download software from the site.

1. Log into the Oracle Software Delivery Cloud site at *https://edelivery.oracle.com*.
   The **Terms & Restrictions** page appears.
2. Read and accept both the Oracle Trial License Agreement and the Export Restrictions Agreement.
   The **Media Pack Search** page appears.
3. Select `Oracle Communications` for Product Pack and `Tekelec` for Platform.
4. Click the **Go** button.
   All media packs that meet the search criteria are displayed on the page.
5. Select the media pack for your Product and Release Number and click the **Continue** button.
   The **Download** page appears.
6. Provide a valid password in the **Password** field and click the **Go** button.
7. To download a file to your location, click the **Download** button.

Appendix

A

Firmware Components

Topics:

- *Firmware Components.....60*

The firmware components are software that is installed on the hardware. These components are listed in this chapter, and are also listed in the Firmware Release Notice. Please refer to the latest Firmware Release Notice for any updates to this list.

Firmware Components

The firmware documents are available on the Oracle Technology Network (OTN) site at:

- *http://docs.oracle.com/cd/E57059_01/docs.67/E54964.pdf*
- *http://docs.oracle.com/cd/E57059_01/docs.67/E56670.pdf*