

**Oracle® Communications
Diameter Signaling Router**

Release Notes

Release 6.0

E53483-04

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Introduction

These release notes lists the Resolved and Known BugDBs for DSR Release 6.0.

Release Notes are distributed to customers with a new software release at the time of General Availability (GA). They are updated for each Maintenance release.

The Release Notes are available only on the Oracle Technical Network (OTN) site. For each new publication to the OTN site, the revision level of the part number is incremented. See *Locate Product Documentation* below

BugDB Severity Definitions

The BugDB sections in this document refer to BugDB 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.
- **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
 - a) product inoperability (total or partial outage),
 - b) a reduction in the capacity capability, that is, traffic/data handling capability, such that expected loads cannot be handled,
 - c) any loss of emergency capability (for example, emergency 911 calls), or
 - d) safety hazard or risk of security breach.
- **Problem Report-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
 - a) reduction in product's capacity (but still able to handle the expected load),
 - b) any loss of administrative or maintenance visibility of the product and/or diagnostic capability,
 - c) repeated degradation of an essential component or function, or
 - d) degradation of the product's ability to provide any required notification of malfunction.
- **Problem Report-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

Locate Product Documentation on the Customer Support 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 www.adobe.com.

Procedure

1. Log into the OTN site at <http://docs.oracle.com>
2. Under Applications, click the link for **Communications**. The **Oracle Communications Documentation** window opens with Tekelec shown near the top.
3. Click **Oracle Communications Documentation for Tekelec Products**.
4. Navigate to your Product and then the Release Number, and click the **View** link (the **Download** link will retrieve the entire documentation set).
5. To download a file to your location, right-click the PDF link and select **Save Target As**.

Resolved BugDB listing

Table RN-1 DSR Release 6.0 Resolved BugDBs lists bugs that are resolved in the following builds:

Application Lineup

- DSR 6.0.0-60.24.0
- IDIH 6.0.0-60.22.0

Platform Lineup

- TPD 6.7.0.0.1-84.18.0
- TVOE 2.7.0.0.1-84.18.0
- PMAC 5.7.0.0.0-57.16.0
- COMCOL 6.3-p165
- Appw 5.7.0.0.0-57.24.3
- EXGSTACK 6.7.0-67.19.0
- Firmware FUP 2.2.6 (see Appendix A:Firmware Components for details)

Above listed load line-up provides a view of our GA milestone release. Firmware release 2.2.6 was used with this release. The Firmware is addressed by an independent manufacturer (e.g., HP) and will have additional release guidance and requirements. We recommend review of the lineup prior to system and/or node upgrade.

NOTE: Resolved bugs are sorted in ascending order by Severity (Sev), and then by BugDB number.

Table RN-1. DSR Release 6.0 Resolved BugDBs

BugDB number	Severity	Component	Title
19114486	1	PLAT	[237670]Comagents Fails When Disk Space is Exhausted
19116440	2	PLAT	[233313]Dual Path HA does not prevent Split-Brain when Primary network goes "dow
19094701	3	IDIH	[222051]DIH 5.0 - Update customer Documentation to include new 5.0 Features
19100689	3	SIG	[226953]RFC 6733 Result-Code compliancy update
19101971	3	SIG	[227936]FABR: Expose internal measurements with MeasId 10647 and 10649
19106479	3	SIG	[231448]Unmatched PRT and ART Tables aren't shown in TTR for IDIH
19108334	3	SIG	[225695]EDL: N-level deep AVP support - failures at 3 level
19108548	3	SIG	[233029]RBAR: Constants needs to be changed for checking min/max length in RBAR
19108550	3	SIG	[233030]RBAR: Constant needs to be changed for stripping of 16th digit while de
19109333	3	INST	[233253]DSR OAM: featureActivateDeactivate script uses root to make DB changes
19111113	3	SIG	[202319]DSR2.0: Number of msgs discarded above 20K is not consistent with requir
19111192	3	SIG	[225774]Measurement pegging incorrect for EvPerConnPtrQueuePeak & EvPerConnPtrQu
19111277	3	SIG	[201792]DSR process restarts intermittently when the active MP is put into force
19111279	3	SIG	[228789]Answer message error-text string mismatch as per FD006895 in the event o
19111283	3	SIG	[202587]Extraneous measurement groups with duplicate pegs in DSR

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BugDB number	Severity	Component	Title
19111505	3	SIG	[213589]AI: Alarm 22503/22502 format mismatch between implementation and FD00726
19111832	3	SIG	[210301]DNS Queries uses blade IP address instead of VIP address
19111989	3	SIG	[206885]DSR DRL - Event 22009 is intermittently being logged into the Alarm Hist
19112063	3	SIG	[213601]Vital trace was observed on MP for SCTP connections
19112186	3	SIG	[213422]SCTP_MH: Event 22331 should not be generated under conditions described
19112187	3	SIG	[215105]Error Insertion: failures on 4x1G LAGs cause connection drops
19112332	3	SIG	[227610]RBAR: 15 Digits MSISDN support
19112348	3	SIG	[230679]DRL (DrITsTest) AUTs failing in integration
19112675	3	SIG	[218531]The DRL provisioning code does not perform all preupdate checks for dele
19112795	3	PLAT	[234138]DSR4.1 /usr/ filesystem being consumed by Infocenter profile files
19112911	3	GUI	[197963]DSR GUI: Table underlaps content bottom
19112913	3	GUI	[200843]DSR GUI: Security Log - Seek position 75 is out of range
19112914	3	GUI	[199606]DSR GUI: Connection Maintenance - Unable to bulk select and deselect
19112923	3	GUI	[200906]DSR GUI: Displays DSR configuration screen name in security log when edi
19112924	3	GUI	[201158]Exception caught during login - causing AppWorks_Log::blowup
19112925	3	GUI	[201248]DSR report not able to display column dropdown list correctly
19112926	3	GUI	[201366]Database backup with 'Provisioning' checkbox enabled inconsistent for IE
19112927	3	GUI	[201636]DSR GUI: Connection Configuration Set screen - Proving Times description
19113109	3	SIG	[233288]DSR: event library differentiation
19113459	3	SIG	[236896]DSR: Timer pegs do not have expected resolution
19113518	3	INST	[235064]DAI: Script for feature deactivation (for 3-Tier system) also deletes NO
19113658	3	SIG	[237051]Memory corruption and occasional abterm observed during DSR Fuzz Testing
19113847	3	INST	[236856][GLA] Unable to remove GI Application ID after feature deactivation
19114450	3	GUI	[237673]MP Profiles Configuration Export Missing in DSR 5
19114736	3	PLAT	[236241][KPIs] KPIs Displaying Incorrectly
19117092	3	PLAT	[239702]TPD: SCTP delivers continuous UNREACHABLE notifications for path failure
19119650	3	ONL	[240757]Online Help- Diameter Mediation Glossary does not load
19120301	3	PLAT	[241936]Reorder OAM.PERF arrayed measurement maps
19120357	3	GUI	[242308]Incorrect Display after making change to IPFE Options Screen

Customer Known BugDB listing

Table RN-2 DSR Release 6.0 Customer Known BugDBs lists known bugs in the following builds:

Application Lineup

- DSR 6.0.0-60.24.0
- IDIH 6.0.0-60.22.0

Platform Lineup

- TPD 6.7.0.0.1-84.18.0
- TVOE 2.7.0.0.1-84.18.0
- PMAC 5.7.0.0.0-57.16.0
- COMCOL 6.3-p165
- Appw 5.7.0.0.0-57.24.3
- EXGSTACK 6.7.0-67.19.0
- Firmware FUP 2.2.6 (see Appendix A:Firmware Components for details)

Above listed load line-up provides a view of our GA milestone release. Firmware release 2.2.6 was used with this release. The Firmware is addressed by an independent manufacturer (e.g., HP) and will have additional release guidance and requirements. We recommend review of the lineup prior to system and/or node upgrade.

NOTE: Known bugs are sorted in ascending order by Severity (Sev), and then by BugDB number.

Table RN-2. DSR Release 6.0 Customer Known BugDBs

BugDB Number	Severity	Subject	Customer impact/workaround
19120338	2	[242294]PsbrSessionPart replication not working as expected from 50.22.0 (8 frag	System Limitation: Beginning in DSR Rel 5.1, a P-DRA session SBR server group is rated at 60M records If a session SBR server group contains more than ~15M records, when an audit occurs (every 24 hours) the database is locked for a period long enough to cause SBR access errors by the P-DRA application, resulting in failed P-DRA transactions. With this issue present, PDRA session SBR server group will continue to be rated at ~15M records.

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BugDB Number	Severity	Subject	Customer impact/workaround
19403182	2	[M2D] Post upgrade traffic failing.	<p>Potential Upgrade Failure event: During the upgrade process when the MPs are rebooted. A MP may fall into a condition that it is not present in the original DA-MP cluster.</p> <p>Work around: A health check is present in the Upgrade process to identify this condition and provide instructions to either reboot the MP or DSR process to restore the MP in the DA-MP Cluster.</p>
19563252	2	Measurement Report Task Does not Complete	<p>Minimal Customer Impact: Automatic Performance Data Export (APDE) Measure Report Task.</p> <p>Automatic Performance Data Export(APDE) of Peer Routing Rules measurements may fail. The export will fail when it attempts to export Peer Routing Rules measurement and will not continue to completion.</p> <p>Workaround;</p> <p>If this condition is encountered, customers are to open Service Request with Oracle Support to address and correct the condition.</p>
19090986	3	[219142]P-DRA 3-Site Redundancy	Feature is not yet available.
19099092	3	[221016]Alarm Budget exceeds 3000 when adding MPs	<p>No Function Impact: "Avaliable" Alarm Budget display error</p> <p>The Alarm Aggregation feature allows the operator to configure alarmthresholds from an available site-wide alarm budget. Since the threshold level for Fixed Connections is factored across the total number of configured DAMPs, (from an engineering defined total of 3000), when new DAMP servers are added, the total "Available" budget is reduced appropriately and it is possible that the total "Available" alarm budget can drop below 0.</p> <p>Workaround: The operator can configure a lower number for the alarm thresholds for each MO type until the "Available" alarm budget results in a value equal to or greater than zero.</p>
19100327	3	[226656]DSR OAM: Cleanup terminology, wording, descriptions, etc.	<p>No functional Impact: DSM OAM GUI.</p> <p>GUI screens have not been completely revised to Cleanup terminology as noted in PR.</p>
19100665	3	[226930]DSR OAM Capacity Validation Updates	<p>Minimal Customer Impact: IPFE Configuration modification.</p> <p>User may not receive certain validation errors during IPFE configuration modification.</p>

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BugDB Number	Severity	Subject	Customer impact/workaround
19100667	3	[221539]DPI Server Group Validation code must be moved to Services	Minimal Customer Impact: Validation code is being moved for deleting and adding IPFE servers to a server group.
19106500	3	[231464]Remove all causes for continuous DSR process restart	Minimal 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.
19109255	3	[233592]FABR: Escaped character list for NAI is not consistent across FABR and D	Minimal Customer Impact: FABR: DP Address Resolution Escaped character list for NAI is not consistent across FABR and DP server. Supported escaped character list at FABR: { '!', '"', ')', '(', ',', ';', ':', '<', '>', '@', '[', ']', '\'} Supported escaped character list at DP server : { '!', '"', ':', '@'} If FABR will receive an address of the form : 123456\<789@tekelec.com (escape characters(with '\') supported by FABR, not by DP server) then FABR successfully resolve the user part as "123456<789" and host part as "tekelec.com" and send to DP for resolution. However, DP does not support escape character '<' while provisioning NAI user part. So, the address resolution will fail at DP, FABR will perform the exception action as address resolution is failed.
19109715	3	[233954]Update/Add more safety validations in the Pending Transaction RESOURCE	No Functional Impact: This enhancement prevents memory leak.
19113470	3	[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	[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 name, but the command code itself must be unique. The duplicate name can be modified or the entry can be deleted.
19114314	3	[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.

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BugDB Number	Severity	Subject	Customer impact/workaround
19114394	3	[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	[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	[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	[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.
19115302	3	[238319]Unable to trace Map Originated Request when discarded on DM-IWF	Minimal Customer Impact: IDIH SS7-MP Trace There is no mechanism to trace requests coming from SS7-MP when discarded at DM-IWF via IDIH.
19115574	3	[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.
19115986	3	[238855]DCLv2::Event 22345 (CplChanged) should include all the sources as per Co	Minimal 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)
19116056	3	[238898]IDIH discard algorithm doesn't take TTR size into account	Minimal Customer Impact: IDIH discard algorithm In lab tests with simulated traffic with IDIH bandwidth exceeded, discard of TTRs may not be optimized to bring traffic under the maximum level. For normal traffic situations, IDIH impact should be minimal.

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BugDB Number	Severity	Subject	Customer impact/workaround
19116714	3	[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.
19116751	3	[239443]DSR6.0 SSST[M2D]: Changing HA Role of SS7-MP does not initiate controlle	Minimal 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 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	[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.
19117552	3	[240076][M2D] BIE: Several attributes use values that are not consistent with FD	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'.
19117931	3	[240269]Bulk audit to Standby/Spare pSBRs must complete before upgrading Active	Potential Upgrade Event: Potential loss of data. If the Active pSBR is upgraded before the Standby and Spare servers are fully loaded, any data records not downloaded to the Standby/Spare will be lost. This issue is not an imminent threat to data integrity. It occurs only if the user upgrades the Active pSBR too soon.
19117991	3	[240409]DSR Upgrade [Prepare] form red Active indication is misleading	Potential Upgrade Event: GUI error Active indication error When performing the upgrade or allowing the upgrade to proceed due to a misleading indication.
19118004	3	[239775]LRGYSYS:Status data is being merged to the NO	Minimal 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.
19118019	3	[240435]DSR5.0 to DSR6.0: Major upgrade takes 40 to 45 mins per server	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.

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BugDB Number	Severity	Subject	Customer impact/workaround
19119257	3	[241476]DSR restart, disabling/enabling connections during CER/CEA timeouts	Minimal 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	[241556]Add new MP Profile parameters to existing set of MP Profiles	No Functional Impact: The new parameters could make MP profiles easier to chose during DSR application deployment.
19120449	3	[242383][M2D] IRP present/absent in both EUTRAN-Authentication-Info and UTRAN-GE	Minimal Impact: Diameter AIR to MAP This bug impacts only Diameter AIR to MAP SendAuthenticationInfoArg translation when both Requested-EUTRAN-Authentication-Info AVP and Requested-UTRAN-GERAN-Authentication-Info AVP are present with the AIR message and none of these two AVPs has Immediate-Response-Preferred AVP present within it. In this particular protocol scenario Diameter to MAP translation would fail at SS7 MP and Diameter AIA message with Error-Message "MIWF-ERR-3004754 IWF Message Translation or Address Translation Error" would be sent to the originator of AIR message. No other functionality of DSR system is impacted by this bug.
19135720	3	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".
19137947	3	[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.
19209874	3	SNMP Notifications Contain Redundant Text	Minimal Customer Impact: SNMP Notifications Contain Redundant Text Extra "Notify" at end of affected notifications.

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BugDB Number	Severity	Subject	Customer impact/workaround
19216755	3	(CEX Host IP Validation Enabled) checkbox can not be modified after saved	<p>Minimal Impact: Configuration Error User is not able to modify the "CEX Host IP Validation Enabled" checkbox after initial creation of the configuration set.</p> <p>The workaround is to delete the connection configuration set and re-enter it.</p>
19237555	3	Template error while modifying existing template	<p>Minimal Impact: GUI Error Mediation Template modification</p> <p>No impact to signaling traffic. This issue occurs when user moves an existing mediation template back into development state and tries to modify the conditions. If an error is encountered, user can delete the template and create a new template.</p>
19306717	3	DSR upgrade: does not handle NO activity change well	<p>Potential Upgrade Event: Unexpected NOAM role change Unexpected DSR NOAM role changes during an upgrade can result in misleading upgrade status information.</p> <p>Workaround: Check the 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.</p>

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BugDB Number	Severity	Subject	Customer impact/workaround
19327392	3	DM-IWF Alarms / Measurements descriptions needs to be updated as per user doc	<p>Minimal 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.</p> <p>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 supported maximum. Measurement Group: DM-IWF Exception</p>
19345468	3	AppWorks updateServerAliases script does not work after disaster recovery on NO	<p>Minimal 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.</p> <p>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.</p>
19354771	3	syncPcrfReferencesAfterRestore script needs update for DSR 6.0	<p>Minimal Customer Impact: Script password prompting User needs to enter password multiple times when prompted by the script.</p>

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BugDB Number	Severity	Subject	Customer impact/workaround
19402375	3	migration script with IPv6 aborts because of compressed IPv6 IPs in db	Minimal 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".
19403575	3	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	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	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	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	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	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	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	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.

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BugDB Number	Severity	Subject	Customer impact/workaround
19403790	3	FABR Address Resolution: Sorting not working for Prefix Search Enabled	<p>Minimal Customer Impact: GUI display error</p> <p>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.</p> <p>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.</p>
19403800	3	FABR Address Resolution: Sorting not working for BlackList Search Enabled	<p>Minimal Customer Impact: GUI error</p> <p>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.</p> <p>Workaround: Click on the FABR -> Configuration -> Address Resolutions Menu again to display all records.</p>
19428442	3	Application-id value not shown in the configured trace on DSR SO GUI	<p>Minimal Customer Impact: IDIH Trace Application-ids not displayed. Trace work fine. On Diameter -> Troubleshooting with IDIH -> Configuration -> Traces the Application-id value is not shown in the configured traces.</p>
19442534	3	iDIH 6.0: Incorrect Command code values of messages of Cx interface shown on DSR	<p>Minimal Customer Impact: iDIH GUI error</p> <p>User will see incorrect command codes values in the GUI pull-down menu.</p> <p>On SOAM GUI Diameter -> Configuration -> Command 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</p> <p>Workaround: Manually enter desired command code.</p>

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BugDB Number	Severity	Subject	Customer impact/workaround
19562133	3	Backout from 6.0 - missing IPFE menu on the SOAM se	Potential Upgrade Event: SOAM missing IPFE Menu on backout. Workaround available in bug will need to be applied after backout to restore IPFE menu item. Until workaround is applied, user will not be able to make ANY IPFE configuration changes - including but not limited to adding of TSAs, adding and removing DA-MPs to existing TSAs etc.

Oracle References and Services

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 2 for Non-technical issue

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

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

Appendix A: Firmware Components

IMPORTANT: For the versions indicated below here are guidelines for reading the table:

- **Minimum Supported FW Version** - If a component has a firmware version older than this it needs to be upgraded.
- **Current Approved FW Version** - This is the version of firmware contained in this HP FUP release.
- **Maximum Supported FW Version** - If a component has a firmware version newer than this it needs to be downgraded.

HP ProLiant Server Firmware Components

The table below lists the main firmware components relating to Oracle supported HP ProLiant Rack Mount and Blade servers which are updated automatically, if applicable, via the **HP Service Pack for ProLiant USB/ISO**.

Note: System ROM Versions are often interchangeably written with either a "yyyy.mm.dd" format or a "mm/dd/yyyy" format. For example, "05/02/2011" is equivalent to "2011.05.02".

Component	Minimum Supported FW Version	Current Approved FW Version ¹	Maximum Approved FW Version
System ROM for DL360 G6	2013.07.02	2013.07.02	no maximum
System ROM for DL360 G7	2013.07.02	2013.07.02	no maximum
System ROM for DL360p Gen8 w/ TPD builds 82.29 and lower	2013.09.08	2013.09.08	2013.09.18
System ROM for DL360p Gen8 w/ TPD builds 82.30 and above	2013.09.08	2013.12.20	no maximum
System ROM for DL380 G6	2013.07.02	2013.07.02	no maximum
System ROM for DL380p Gen8 w/ TPD builds 82.29 and lower	2013.09.08	2013.09.08	2013.09.18
System ROM for DL380p Gen8 w/ TPD builds 82.30 and above	2013.09.08	2013.12.20	no maximum
System ROM for BL460c G6	2013.07.02	2013.10.01	no maximum
System ROM for BL460c Gen8 w/ TPD builds 82.29 and lower	2013.09.08	2013.09.08	2013.09.18
System ROM for BL460c Gen8 w/ TPD builds 82.30 and above	2013.09.08	2013.12.20	no maximum
System ROM for BL620c G7	2013.07.01	2013.07.01	no maximum
Power Management Controller for BL460c G6 Servers	3.4	not included	no maximum

¹ These are the firmware versions contained in this release.

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Component	Minimum Supported FW Version	Current Approved FW Version ¹	Maximum Approved FW Version
Power Management Controller for DL360 G6 and DL380 G6 Servers	2.9	not included	no maximum
Power Management Controller for DL360 G7 and BL460c G7 Servers	1.6	not included	no maximum
Power Management Controller for BL620c G7 Servers	1.7	not included	no maximum
Power Management Controller for all Gen8 Servers	3.0	3.3	no maximum
HP NC532m Broadcom Dual Port 10GbE	6.2.25	6.2.27	no maximum
HP NC532i Broadcom Dual Port 10GbE	6.2.25	6.2.27	no maximum
HP NC382i Broadcom Dual Port 1GbE	5.2.3	5.2.3	no maximum
HP NC365T Intel Quad Port 1GbE	no minimum	not included	no maximum
HP NC364T Intel Quad Port 1GbE	no minimum	not included	no maximum
HP NC364m Intel Quad Port 1GbE	no minimum	not included	no maximum
HP 366M Intel Quad Port 1GbE	1.349.0	1.464.0	no maximum
HP 331FLR Broadcom 4-port 1Gb	1.37	1.37	no maximum
HP 331T Broadcom 4-port 1Gb	1.37	1.37	no maximum
HP 530FLB Broadcom 2-port 10Gb	7.4.22	7.8.79	no maximum
HP 530M Broadcom 2-port 10Gb	7.4.22	7.8.79	no maximum
HP NC553i Emulex 2-port 10Gb	4.6.247.5	4.9.311.20	no maximum
Smart Array P410i/P411 Controller for DL/BL G6 Servers	6.40	6.40	no maximum
Smart Array P220i/P420i/P420/P421	5.22	5.22	no maximum
Direct Attached D2700	0070(B)	0147 (not included)	no maximum
D2200sb Storage Blade (internal P410i)	6.40	6.40	no maximum
D2220sb Storage Blade (internal P420i)	5.22	5.22	no maximum
QLogic FC Host Adapter for BL460c	2010.05.19	2014.02.01	no maximum
iLO2 for all G5/G6 DL/ML/BL Servers w/ TPD 4.x and greater	2.25	2.25	no maximum
iLO3 for all G7 DL/ML/BL Servers	1.70	1.70	no maximum
iLO4 for all Gen8 DL/BL Servers	1.40	1.40	no maximum

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Component	Minimum Supported FW Version	Current Approved FW Version ¹	Maximum Approved FW Version
SAS Storage Disks (Multiple Part Numbers included)	Various	Various	no maximum

HP Misc Firmware Components

The table below lists various HP and non-HP firmware components related to the HP Solutions that are updated manually from the **HP Misc Firmware USB/ISO**.

Component	Minimum Supported FW Version	Current Approved FW Version	Maximum Supported FW Version	Physical File Name
OA (Use with PM&C version 5.7)	4.21	4.21	4.21	hpoa421.bin
OA (Use with PM&C versions 4.x to 5.5)	3.71	3.71	3.71	hpoa371.bin
OA (Use with PM&C versions 2.x to 3.x)	3.31	3.31	3.31	hpoa331.bin
1Gb Ethernet Pass-Thru Module	3.0.3	3.0.3	no maximum	No file. This is contained in the OA firmware.
MSA2012fc Disk Controller	J200P50-02	J201R09	no maximum	neptunesw-J201R09-01.bin
P2000 G3 MSA Disk Controller	TS201P004	TS201P007	no maximum	TS201P007.bin
P2000 MSA USB Driver (Windows 32bit)	1.0.0.5	1.0.2.8	no maximum	cp014957.exe
P2000 MSA USB Driver (Windows 64bit)	1.0.2.8	1.0.2.8	no maximum	cp014959.exe
Cascaded D2700	0070(B)	0147	no maximum	(not included)
Brocade SAN Switch	6.2.2b	6.2.2b	no maximum	v6.2.2b.tar.gz
Cisco 4948E-F Switch IOS	12.2(54)WO	12.2(54)WO	12.2(54)WO	cat4500e-entservicesk9-mz.122-54.WO.bin
Cisco 4948E-F Switch PROM	12.2(44r)SG9	12.2(44r)SG9	no maximum	N/A
Cisco 4948E Switch IOS	12.2(54)XO	12.2(54)XO	12.2(54)XO	cat4500e-entservicesk9-mz.122-54.XO.bin
Cisco 4948E Switch PROM	12.2(44r)SG8	12.2(44r)SG8	no maximum	N/A
Cisco 4948 Switch IOS	12.2(53)SG2	12.2(53)SG2	12.2(53)SG2	cat4500-ipbasek9-mz.122-53.SG2.bin

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Component	Minimum Supported FW Version	Current Approved FW Version	Maximum Supported FW Version	Physical File Name
Cisco 4948 Switch PROM	12.2(31r)SGA1	12.2(31r)SGA1	no maximum	cat4500-ios-promupgrade-122_31r_SGA1
Cisco 3020 Switch IOS (For SwitchConfig Systems Only)	12.2(50)SE3	12.2(50)SE3	12.2(50)SE3	cbs30x0-ipbasek9-tar.122-50.SE3.tar
Cisco 3020 Switch IOS (For NetConfig Systems Only)	12.2(58)SE1	12.2(58)SE1	12.2(58)SE1	cbs30x0-ipbasek9-tar.122-58.SE1.tar
HP 6120XG Switch	Z.14.37	Z.14.37	Z.14.37	Z_14_37.swi
HP 6125G Switch	5.20.99, Release 2105	5.20.99, Release 2105	5.20.99, Release 2105	6125-CMW520-R2105.bin
HP 6125XLG Switch	7.1.045, Release 2403	7.1.045, Release 2403	7.1.045, Release 2403	6125XLG-CMW710-R2403.ipe