

# Diameter Signaling Router

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**Release 4.1**

**Release Notice**

910-6641-001 Revision A, August 2013



**Tekelec**

## Diameter Signaling Router (DSR) - Copyright, Notice, Trademarks, and Patents

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### Patents

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

#### U.S. Patent Numbers:

6,795,546; 6,901,262; 6,954,794; 6,967,956; 7,043,000; 7,088,728; 7,123,710; 7,127,057; 7,190,959; 7,286,516; 7,401,360; 7,403,537; 7,406,159; 7,466,807; 7,633,872; 7,650,367; 7,706,343; 7,716,175; 7,743,131; 7,804,789; 7,860,799; 7,916,685; 7,996,541; 8,179,885; 8,224,928; 8,346,944; 8,391,833;

#### Foreign Patent Numbers:

## Release Notice – Diameter Signaling Router 4.1

EP 1314324; EP 1556778; EP 1568203; EP 1846832; EP 1847076; ZL 200780017383.1;

# Release Notice

## DSR 4.1

This release notice lists the PRs that have been fixed, and those that are known to exist, in DSR 4.1. It also describes how to obtain Tekelec customer documentation.

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**NOTE: The information in this Release Notice reflects the latest data available as of its date of publication.**

### PR Severity Definitions

The following sections refer to PR severity levels. Definitions of these levels can be found in the following publication:

GR-929-CORE, Reliability and Quality Measurements for Telecommunications Systems (RQMS), Bellcore, December 1998.

### Locate Product Documentation on the Customer Support Site

Access to Tekelec’s Customer Support site is restricted to current Tekelec customers. This section describes how to log into Tekelec’s Customer Support site and how to locate customer documentation. Viewing these files requires Adobe Acrobat Reader, which can be downloaded at [www.adobe.com](http://www.adobe.com).

#### Procedure

1. Log into the Tekelec's Customer Support site.  
NOTE: If you have not registered for this new site, click the Register Here link. Have your customer number available. The response time for registration requests is 24 to 48 hours.
2. Click the Product Support tab.

3. Use the Search field to locate a document by its part number, release number, document name, or document type. The Search field accepts both full and partial entries.
4. Click a subject folder to browse through a list of related files.
5. To download a file to your location, right-click the file name and select Save **Target As**.

NOTE: Customers may print a reasonable number of each manual for their own use.

## Customer Fixed PRs

Table RN-1 on page RN-5, “DSR 4.1 Customer Fixed PRs Report Table,” lists fixed severity 1, 2, 3 and enhancements for DSR Release 4.1.

PR	Severity	Title
218462	2-Major	Comagent connection in aligning state
221116	2-Major	DSR 4.1 DSR crashes on application generated requests when tracing is enabled
223815	2-Major	All 16 DA-MP Servers Restarted While Running @ 30K MPS Each
224232	2-Major	TPD (6.0.0-80.29.0) installation showing failure on TVOE guests
224467	2-Major	DA-MP Restart Occurred on DSR with Light Traffic
224597	2-Major	DSR4.1 post-upgrade Diameter connections/RLs/Peer Nodes in inconsistent state
225825	2-Major	Incremental upgrade of DA-MP Server failed - dsr process stuck in pend state.
226813	2-Major	DSR4.1 SOAM VIP unresponsive after upgrade
226951	2-Major	DSR-MP Active/Standby HA switchover takes too much time
227584	2-Major	DRS on RMS for Active/Standby Configuration
227596	2-Major	16 DA-MP Servers Restarted on DSR with 240KMps Traffic with Latency on CCF Servers
227707	2-Major	Run optimization script during Upgrade
228116	2-Major	Remove primary designation for Bond 0 when connected to switch
229144	2-Major	EDL Crashes on DA-MP Even Though AAA Is Not Invoked and Does not Copy AVP into Answers
211851	3-Minor	Alarms & Events --> View History does not filter Type
212073	3-Minor	Scalability GUI: GUI allows entering TSA IP addresses in the special peer used for Inter-MP connections
212316	3-Minor	Scalability GUI: GUI allows Inter-MP connections with 2 IPs belonging to same MP
212551	3-Minor	Editing of the administration > general options is not functioning correctly.
212581	3-Minor	DSR 3.0: Issues with validation when editing users.
212649	3-Minor	Scalability GUI: GUI allows more than 2 local nodes defined on an MP
214735	3-Minor	CPA: when CPA does not receive an answer to an ACR request it raises a "Missing AVP" event.
216263	3-Minor	Congestion Alarms are Not Raised Before Congestion Occurs
219320	3-Minor	AC Replication link may not recover when split-brain between sites

		recovers
219605	3-Minor	TKLCdsr-upgrade overlay RPM missing from DSR 4.1 stream
219649	3-Minor	Layer 2 netConfig template file for 4948s needs include default router details
220188	3-Minor	Main Menu->Communication Agent-> Maintenance->Connection status displays blank screen on IE.
220257	3-Minor	Policy DRA: Incremental upgrade caused loss of IPFE B1 and IPFE B2 configuration
220432	3-Minor	DSR Install Guide needs updates to configure Customer SNMP server on OAs and switches
220721	3-Minor	Fix broken package list for mysql excludes when picking up TPD 80.24 (CentOS 6.3)
220768	3-Minor	Revert package lists to fall back to previous platform
221891	3-Minor	netConfig-templates:Topo2 aggregation switch configure.xml
221922	3-Minor	L2 Aggregation Switch configuration template xml TR006851
221974	3-Minor	Error-Message AVP is present when the Unavailable Action Error Message string is empty
222103	3-Minor	L3 Aggregation Switch configuration template xml TR006851
222231	3-Minor	dbClobber.sh script did not clean up and the lock case was not handled properly when adding an MP server to a SG.
223182	3-Minor	Changes to DRS 4.0 Installation Guide
223559	3-Minor	Installation Document 909-2228-001 for DSR 4.0 has erroneous reboot in Appendix H
224110	3-Minor	Max Allowed Servers per NE error
224472	3-Minor	DSR 4.1 - Various platform alarms are raised and not cleared after a reboot of enclosure blades
224481	3-Minor	DSR 4.1 - PmControl table was empty after recovering from IPFE blade was removed from the enclosure
224572	3-Minor	DSR Reports ComAgent Connection Remotely Blocked When All Connections are UP
224702	3-Minor	Networking documentation missing diagrams highlighting RMS configurations
224785	3-Minor	ComAgent: HA Service Status screen, Resource Routing Status field aggregate color scheme incorrect.
224868	3-Minor	DSR – Configuration-> Services screen. Saving a Report, the default file name is wrong.
224869	3-Minor	DSR – Configuration-> Server Groups screen. The default filename of a saved Report is wrong.
225068	3-Minor	Periodic Tasks are not Updated on Update of Measurement / KPI Report Group Names
225233	3-Minor	DSR RMS: Changes need to 909-2255-001 install doc
225849	3-Minor	DSR 4.1.13.0 - Stuck Connections Alarm 22101 after enabling several connections
226016	3-Minor	DSR 4.1.13.0 - Maintenance Connection screen displayed 2 instances of the same connection
226215	3-Minor	DSR Single Server Upgrade Backout Does Not Work
226216	3-Minor	DSR APPL on ALL DA-MPs is Disabled After Upgrade

226293	3-Minor	optimizeComcolIdbRamUsage Did Not Run in Upgrade Loaders in DSR 4.1.17.1 Incremental Upgrade
226399	3-Minor	DSR Reports Duplicate Connection in Degraded State to Peer Node
226591	3-Minor	DSR 3.0 to 4.0 upgrade with TVOE upgrade we landed up in split brain mode using procedure mentioned in 909-2243-001.
226956	3-Minor	Cannot connect two DSRs using non-standard (high value) port when both Initiator&Responder
227010	3-Minor	Alarm 22500-22504 - inconsistent application name displayed in "Instance" information
227013	3-Minor	Non-Arrayed Measurements are not available on Standby SO Server after incremental upgrade.
227099	3-Minor	Measurement groups Stack Exception and Stack Performance contain duplicate measurements of group Connection Performance.
227230	3-Minor	DSR 4.1 Disaster Recovery Procedure is Missing Step Indicating the Need to Run ComcolIdRamUsage
227450	3-Minor	DSR 4.1 backout fails idb.restore
227724	3-Minor	DAMP Continuously Booting after removal from Server Group
227729	3-Minor	GUI Displays 0% task indefinitely
227794	3-Minor	Remove statements in DSR DR guides that the procedure is not a customer document
227818	3-Minor	Event History filtering issues regarding the supported 7day window.
228285	3-Minor	Maximum Timeout Value Not removed From ComAgtConfigParams Table During Upgrade
228306	3-Minor	inetrep inappropriately stamping update log records with bad source node
228369	3-Minor	DSR login does not enforce password change by user on initial login
229453	3-Minor	GUI - CEX Parameters screen - Edit actions of screen parameters not working.
229577	3-Minor	DSR Maintenance->DA-MPs screen errors when DA-MP MP IDs unavailable at OAM
229820	3-Minor	ErrMesg AVP in Answer Message
229886	3-Minor	MP restart from GUI generates an abterm
229951	3-Minor	Measurement report column headers are missing valid descriptions
230048	3-Minor	Layer shutdown and pool destruction scenario sometimes causes an abterm when restart the MP from GUI.
230361	3-Minor	DSR GUI: Server screen missing filter options
230462	3-Minor	DSR 4.0.2/4.0.3 upgrades result in measurement retention < 1 day
230628	3-Minor	Unable to list User Groups on SOAM GUI

Table RN-1. DSR 4.1 Customer Fixed PRs Report Table

## Known Issues

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
224764		3-Minor	DRL Event 22005 (No peer routing rule found) should include PRTName	This problem makes it a little more difficult to debug routing problems, but it only happens when destination host is not present in the request and the request fails to route by PRT. The PRT search algorithm is well-documented, so by knowing the the ingress peer node and the application id in the request, it is possible to determine the PRT that was searched.	Resolved	Defer
224868		3-Minor	DSR – Configuration-> Services screen. Saving a Report, the default file name is wrong.	No customer impact. Although default filename is misleading the process of saving the output works correctly. User can change the default filename to a more appropriate name when the file is saved.	Resolved	Defer
224869		3-Minor	DSR – Configuration-> Server Groups screen. The default filename of a saved Report is wrong.	No customer impact. Although default filename is misleading the process of saving the output works correctly. User can change the default filename to a more appropriate name when the file is saved.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
225068		3-Minor	Periodic Taks are not Updated on Update of Measurement / KPI Report Group Names	Measurement reporting for groups with name changes will fail without any indication why and can cause customer to lose performance data scheduled to be sent to external database.	Resolved	Defer
225849		3-Minor	DSR 41.13.0 - Stuck Connections Alarm 22101 after enabling several connections	This is not traffic affecting – connections will come into service and process traffic properly.	Resolved	Defer
225850		3-Minor	Update cust docs with Tekelec's vendor specific ID and AVPs	Workaround LOENo functional impact, if Customer has question regarding "DSR AVP IDs" they will have to request this information from Tekelec.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
226016		3-Minor	DSR 41.13.0 - Maintenance Connection screen displayed 2 instances of the same connection	<p>In this scenario, connections are coming up while they are in the process of being disabled, they should not be allowed to come into service.</p> <p>The existing behavior allows the connection to established (even though they shouldn't) but then to tear them down and leave them Disabled/OOS.</p> <p>The Customer can make a second attempt to re-enable connections and once they are enabled and an attempt to connect is made from the peer, the connections will come into service.</p>	Resolved	Defer
227010		3-Minor	Alarm 22500-22504 - inconsistent application name displayed in "Instance" information	Alarm 22500 and 22501 will display the application name "P-DRA" as instance as opposed to "Policy DRA" for alarms 22502 and 22504	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
227099		3-Minor	Measurement groups Stack Exception and Stack Performance contain duplicate measurements of group Connection Performance.	Customer will see duplicate measurements at the SOAM level, for measurement groups: <ul style="list-style-type: none"> <li>- Stack Exception contains the measurement for TxConnSendBufAvg.</li> <li>- Stack Performance contains the measurements for TxConnMsgs and TxConnOctets.</li> <li>- Connection Performance also contains measurements for TxConnSendBufAvg, TxConnMsgs and TxConnOctets.</li> </ul>	Resolved	Defer
227445		3-Minor	Add new user in Appworks "Main Menu: Administration -> Users" is not working as mentioned	New user is disabled on creation rather than enabled. Work around is to enable the new user after creation.	Resolved	Defer
227729		3-Minor	GUI Displays 0% task indefinitely	If on the SO you select Main Menu ->Config->Network->Devices a 'Network Device sync' task will be created. This task will never run on the SO and will stay in the 'running' status at 0 percent complete until the task is manually cleared.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
227818		3-Minor	Event History filtering issues regarding the supported 7day window.	Measurements are collected and viewable for up to 7 days. The system is allowing measurements collection beyond 7 days.	Resolved	Defer
228369		3-Minor	DSR login does not enforce password change by user on initial login	When new users are added and assigned a temporary password. The first time the new user logs they are not forced to change the temporary password. The workaround is to have the new user got to Main Menu: Administration ->Users select their assigned "Username" select the "Change Password" button and enter the new password.	Resolved	Defer
229453		3-Minor	GUI - CEX Parameters screen - Edit actions of screen parameters not working.	Customer will be faced with misleading error codes when reconfiguring CEX parameters in the GUI.	Resolved	Defer
229577		3-Minor	DSR Maintenance->DA-MPs screen errors when DA-MP MP IDs unavailable at OAM	The "Peer DA-MP Status" and "DA-MP Connectivity" tabs displayed in the Diameter->Maintenance->DA-MPs screen of the GUI may not reflect the actual state of the DA-MP servers.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
229820		3-Minor	ErrMesg AVP in Answer Message	No functional impact. The DSR GUI, in the section for editing a peer routing rule, shows that ErrMesg AVP can be excluded from the Answer message however this is not the case. It is always included currently. The GUI is out of date with the current implementation.	Resolved	Defer
229886		3-Minor	MP restart from GUI generates an abterm	When DSR is requested to shut down from the GUI, while FABR traffic is running, the system can abnormally terminate and generate an abterm. The abterm is created as a log of sorts for troubleshooting. Customer will experience no loss of stability or interruption of traffic as a result, though the abterm file will be present on the filesystem until removed.	Resolved	Defer
229951		3-Minor	Measurement report column headers are missing valid descriptions	No Fuction impact. Helpfull GUI descriptive text is missing.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
230048		3-Minor	Layer shutdown and pool destruction scenario sometimes causes an abterm when restart the MP from GUI.	When DSR is requested to shut down from the GUI, while FABR traffic is running, the system can abnormally terminate and generate an abterm. The abterm is created as a log of sorts for troubleshooting. Customer will experience no loss of stability or interruption of traffic as a result, though the abterm file will be present on the filesystem until removed.	Resolved	Defer
230361		3-Minor	DSR GUI: Server screen missing filter options	No impact to functionality provided. Maintenance of Servers from the GUI forms will require the user to scroll a un-filtered Servers list to find the specific server to apply actions too.	Resolved	Defer
230628		3-Minor			Resolved	Defer