Diameter Signaling Router

Release 4.0.3

Release Notice

910-6892-001 Revision A, August 2013

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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:

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

Release Notice
DSR 4.0.3

This release notice lists the PRs that have been fixed, and those that are known to exist, in DSR 4.0.3. It also describes how to obtain Tekelec customer documentation.

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.

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-4, "DSR 4.0.3 Customer Fixed PRs Report Table," lists fixed severity 1, 2, 3 and enhancements for DSR Release 4.0.3.

PR	Severity	Title
201355	3-Minor	RxMpCongestionDiscardMp not pegged correclty as per the FD006895
227233	3-Minor	Remove perl-Net-SMTP-TLS rpm from DSR package lists
228871	3-Minor	System (MP) memory check script fails with 48G server
229079	3-Minor	Upgrade loaders not being executed for PRs 228008 and 220169
220169	5-Enhancement	DSR maximum message size of 30,000 byte messages (RFF00004038)
228008	5-Enhancement	CEX IP address validation disable - interim solution

Table RN-1.   DSR 4.0.3 Customer Fixed PRs Report Table

Known Issues

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
212808		2-Major	IPSEC - core files, dropping connections	It is not known at this time if a customer would be using openswan but we have not seen this issue with using racoon2. Additionally, the issue may be related to the openswan configuration which would be corrected at a customer site if this problem existed. Once the connections were up, the tunnels carried traffic correctly encrypted. The issue was getting the connections up. It is possible to configure TPD to remove these core files automatically to make sure the file system doesn't fill up.	Resolved	Defer
222111		2-Major	Networking: HP6120XG has long failover and failback times when a single link from a LAG is pulled/restored	This will only impact customers with 4X1GE and 4X2GE LAG enclosure switch uplink configuration. Traffic loss will be experienced for the 1.5 second on removal of link and for 3.5 seconds when link is restored.	Resolved	Defer
223455		2-Major	IPFE: A failure occurred reading from an Ethernet device. Restart IPFE process.	Once the IPFE feature is activated and configured using the latest version of the IPFE Feature Activation and Configuration Guide (WI006837), this issue will not occur.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
225623		2-Major	MaxNetworkElements limit must be enforced.	No impact. Creating an additional Network Element beyond the supported number of 16, does not impair the supported Network Elements.	Resolved	Defer
225840		2-Major	User created without IPFE Config has permission to change IPFE Options on SOAM	The end user will have the ability to change the IPFE Configuration Options without being selected within the Administration Group..	Resolved	Defer
226419		2-Major	DA-MP and OAM blades optimization is lost on upgrade.	No Impact. The Upgrade document now states to manually run the optimization script.	Resolved	Defer
228898		2-Major	Inter-MP comagent connections not coming up after DSR is restarted on a DA-MP.	Diameter peer connections will not come up until all traffic is stopped and each MP dsr process is restarted.	Resolved	Defer
229829		2-Major	DSR 4.0.2: HTTPD logs filling up /var partition	Application functionality impaired when filesystem becomes full.	Resolved	Defer
230072		2-Major	DCL: Race condition between disconnect and watchdog timeout processing	A dropped connection may not reconnect. The workaround is to administratively disable and then re-enable the connection.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
230656	1012918	2-Major	Behavior of DSR routing was impacted after servers were rebooted following a firmware upgrade	Traffic may not route correctly between MPs after reboot. Customer could work around this issue by either; Disabling/Re-enabling connections on MPs that are established, but not being utilized by routing or Restarting the dsr process on impacted MPs	Resolved	Defer
203225		3-Minor	ifdown ifup on interface yields udev event loop	You can get stuck in an udev event loop	Resolved	Defer
213602		3-Minor	Vital traces were observed on MP when CEx message exchanged over ingress SCTP multihoming connection	No Customer Impact, PR opened due to vital traces seen during Sanity Testing.	Resolved	Defer
213732		3-Minor	SCTP_MH: Provisioned SACK Delay in Conn Config Set not taking effect on Connection	Kernel SCTP stack parameter sack_freq overrides the SACK delay parmeter configured at Diameter. If the peer sends the same message before SACK Delay expires at DSR, SACK will be sent by DSR immediately. SACK Delay will not be considered by Kernel SCTP in this case.	Resolved	No-Fix

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
214671		3-Minor	Eagle XG DSR 3.0 - IPFE folder placement not consistently located in the same place in the left hand gui menu	Customer's GUI users will be offered inconsistent location of folders in the left hand GUI menu.	Resolved	Defer
215351		3-Minor	Cannot reach required 70K traffic rate with FABR application.	BL620c DA-MP (G7) blades and running FABR application will not achieve 70,000 MPS rate.	Resolved	Defer
215432		3-Minor	SCTP Path Retransmits not provisionable via GUI	Configured number of path retransmits is not actually applied. Signaling code currently uses half of the configured number of association retransmits.	Resolved	Defer
218773		3-Minor	Egress transport congestion transitions from CL4 to CL3 while socket blocked	When a TCP (IPv4 or IPv6) connection becomes blocked due to egress congestion, the Congestion Priority Level is set to CL4 and immediately transitions to CL3 without waiting for the connection to become unblocked. The system wil briefly route messages while in CL3 and CL2.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
219089		3-Minor	Route Group Edit screen More choices does not work on the Peer Node widget	Filtering select widget displays the related entries and if list is big it will contain 'More choices' and 'Previous choices' link. If Customer types few characters on the select filter to get the list of related Peer Nodes and then clicks on More Choices then a list containing the next set of matches will be displayed, but customer will not be able to click on 'Previous choices' to go back to the previous choice.	Resolved	Defer
219316		3-Minor	Error Code 19116 is incorrectly displayed when editing a Capacity Configuration Set	GUI User is allowed to provide a higher value of "Max Reserved Ingress MPS" for 'Connection Configuration Set' which can over subscribe IPFE connections.	Resolved	Defer
219349		3-Minor	Filtering IPs on Configuration -> Connections screen works very slowly	No system impact. Slow GUI response when filtering on peer IP addresses in the Diameter -> Maintenance -> Connection form when more than 6000 connections are configured.	Resolved	Defer
219424		3-Minor	The OIDs for TPD alarms for DSR are incorrect in 910-6528-001_rev_b document	Mismatch between MIB OID's and customer documentation is misleading.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
219533		3-Minor	DSR does not send an answer response with request queue overflow encoded when DRL request task queue full	DSR does not send an answer response with request queue overflow encoded message when DRL request task queue becomes full.	Resolved	Defer
219822		3-Minor	Alarm "Description" is not getting printed completely	No system impact. When alarm reports with a large description explanations in the "DESCR" are saved and printed out some information is not printed.	Resolved	Defer
219992		3-Minor	Cust Doc: Need to update info Peer Node and Application Id parameters	The data in the user docs for these parameters is confusing for Peer Route Table, Routing Option Set, and Pending Answer Timer. Online Help for these parameters does not match the GUI description.	Resolved	Defer
220004	987862	3-Minor	DSR GUI shows error message stack overflow	This seems to be an IE8 specific issue. If the user uses IE 9 or Firefox the issue is not observed. Note, the second issue regarding table resizing happend on IE 9 and Firefox as well. the workaround for this would be for the user to reload the page if the Test Runs are not showing up.	Resolved	Defer
220026		3-Minor	DSR 4.0 unable to filter on Maintenance Conn Common App ID	Filtering unavailable for Common Application ID column in the Diameter->Maintenance->Connection form,	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
220038		3-Minor	DrlErrorMessage refCount > 1 issues (on timeout, may modify Request held in DCL)	This only occurred due a problem with the transaction timeout, where a Request was timing out in 10 ms or less (before DCL could write it to the socket). It is unlikely to be experienced by customer as normal behavior of timeout is in the hundred of milliseconds.	Resolved	Defer
220043		3-Minor	Bulk Export file cleanup for File Management Area	Customer could have to manually remove CSV files from File Management area that have not been configured for file export. Currently there is no scheduled file clean-up for the File Management directory.	Resolved	Defer
220100		3-Minor	[GUI] Color the cells the same as the row color when no connection configured for the peer	When no connections are configured for a peer the color on the Peer Operational Status is displayed in red when there is no alarm condition. No operational impact	Resolved	Defer
220176		3-Minor	DSR4.0 - pulldown widget does not keep autocomplete choices attached to textbox field	While using the pulldown widget along with their mouse scroll button on connection view form may see some of the content in the pulldown separation.	Resolved	Defer
220182		3-Minor	Diameter -> Configuration -> Route Lists Filter on Priority with != does not work	The user is not able to filter on Priority of the Route List using the != operator.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
220202		3-Minor	DA-MP Not Listening on Port After Connection is Disabled and Re-Enabled	CI is small. If this ever happens, it will be in the maintenance window when all the connections owned by an MP using particular local node IP(s)/port(s) have been disabled and then re-enabled. Incoming connections will be denied with ECONNREFUSED (errno=111). The only thing that would be required to fix this would be to disable the connection (that is already unavailable and unable to get established) and to enable it again and there should be no effect on existing connections using other local node IP(s)/port(s). The connection will remain in a "listening" state (visible on the Connection Maintenance screen) and an alarm (#22101: Connection is unavailable for Diameter Request/Answer exchange with peer) should be present.	Resolved	Defer
220210		3-Minor	BIE: CSV file format issue without line feeds (LF)	Bulk import files that do not include line feed (LF) and carriage returns (CR) could appear to pass during import. Customer should ensure LF and CR are added after each feed in bulk import files.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
220387		3-Minor	DSR GUI: Enteing Invalid Egress Message Throttling Configuration Set Name does not return expected error code	User will need to click on the error box to view the error. Functionality is not affected, but this will decrease customer satisfaction.	Resolved	Defer
220418		3-Minor	DA-MP Maintenance: Invalid 'Degraded' status with 'MP Congestion' during dsr restart on MP	No functional impact, but the MP status will display incorrect state temporarily after MP restart.	Resolved	Defer
220426		3-Minor	Maintenance > Application screen does not show a row for each DA-MP unless the server is restarted.	Small impact to customer since restarting the MP is part of the feature activation process. The correct information is displayed after the entire procedure is complete.	Resolved	Defer
220429		3-Minor	ComAgent alarms not displayed on NOAM&P	Customer will need to view comAgent alarms in the SOAM GUI.	Resolved	Defer
220486		3-Minor	Security Logging: Action column is set to "UNKNOWN" When edit of a connection is Cancelled	This will cause the user to be unable to determine what actions were taken in the system if the Customer attempts to edit a Connection but cancels the action, then the Security Log will show an "Action" of "Unknown".	Resolved	Defer
220632		3-Minor	GUI: AppId PRT Incorrect infomation Description field	Incorrect information will be misleading to the customer. No impact to functionality.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
220659		3-Minor	Change Server Configuration Default settings in DSR 4.0 GUI	There is no impact to the customer.	Resolved	Defer
221016		3-Minor	Alarm Budget exceeds 3000 when adding MPs	See workaround description.	Resolved	Defer
221059		3-Minor	DSR GUI: EMRT Config Set View - Abatement Threshold Level 2 missing filtering operators	If the Customer navigates to the Diameter -> Configuration -> Configuration Sets -> Egress Message Throttling Configuration Sets view screen and then attempt to filter on 'Abatement Threshold Level 2, the pull down list will be empty. The Customer will not be able to filter on 'Abatement Threshold Level 2' value.	Resolved	Defer
221128		3-Minor	DSR 4.0: DA-MP has procWatch resource monitoring fault after successful upgrade 40.15.2	Customer may have alarm 31207, Process Resource Monitoring Fault, present on the DSR system after a successful upgrade.	Resolved	Defer
221228		3-Minor	EMRT: Configurable Connection Pending Transaction Limit cannot be changed while connection enabled	The Customer is required to disable all connections using a specific connection configuration set before modifying the pending transaction per connection field.	Resolved	Defer
221365		3-Minor	Active NO shows DB Level unknown if Replication Inhibited.	Only impact is that the DB level is seen as Unknown when Replication is marked as Inhibited. Once replication is allowed, the correct status is shown.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
221461		3-Minor	DSR 4.0: 31000 alarm after upgrade to 40.16.1	There is no customer impact.	Resolved	Defer
221591		3-Minor	Unable to delete a Command Code of 0	If Command Code is configured with a value of 0 it cannot be deleted. Currently there are no Command Codes assigned for a value of 0. If Command Code value of 0 is configured customer can configure a new Command Code with the codes assigned value and use for configurations.	Resolved	Defer
221607		3-Minor	DSR 4.0: Filtering on Alarm history and generating report based on that result both caused 'connection error' on my SO	The GUI is sluggish for few seconds when the user is doing filtering on Alarms screen with large "Collection Interval".	Resolved	Defer
221608		3-Minor	[DRL] No TxConnectionFailed pegging when a pending transaction is rerouted due to connection failure.	When Alternate Implicit Route is used on the connection failure, the TxConnectionFailed is not pegged. The TxAnswerTimeout is pegged instead	Resolved	No-Fix
221614	990846	3-Minor	Failed-AVP is missing in CEA	Failed-AVP would provide debugging information	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
221776		3-Minor	DSR Restart (illegal memory access) on DA-MP during high traffic run when connection is deleted while being established	Customer impact is low since connection OAM operations will be performed in a maintenance window, and that customers are not going to rapidly enable/disable/delete a given connection.	Resolved	Defer
221894		3-Minor	DSR:Online Help:Resource Domains Help icon leads to default help page	minor inconvenience - information is available. We will work to resolve this issue in the next release of DSR.	Resolved	Defer
221970		3-Minor	SO GUI Does Not Notify User That Password Has To be Changed From NO	Incorrect error message displayed when the End user tries to change the GUI password at the SO GUI. Customer permissions must be updated from the NO GUI.	Resolved	Defer
222050		3-Minor	Abterm generated when dsr process is stopped with 6000 MPS of traffic	Manual restart of DSR process will generate an abterm. This generated abterm is not service-affecting.	Resolved	Defer
222070		3-Minor	sar core dump on MP	Minimal chance of a sar binary file becoming corrupt during steady state operation. If it does happen, the customer will see core file for sar until the following day, when a new file will be created.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
222092		3-Minor	base AVP dictionary do not match definition in FD007593	No customer impact. User can define additional AVPs in custom dictionary and mediation can process the messages successfully.	Resolved	Defer
222120		3-Minor	DSR 4.0: Error when attempting to delete a peer route table rule when the PRT rule table is full	If this error is encountered the user should reload the Peer Route Rule screen. The delete will work once the page is reloaded.	Resolved	Defer
222134		3-Minor	DSR process restart (timer queue exhaustion) while disabling and enabling large number of connections with traffic running	Customer impact is low because this problem only occurs when a large number of connections (thousands) are either bouncing or being established. If this happens, either a large network outage must have occurred (in which case there will be other more serious problems to solve) or the customer must have been performing large-scale administrative actions (which is only likely to occur during a maintenance window).	Resolved	Defer
222177		3-Minor	DSR 4.0 - AAA - RawAvpData value is being sent in packet as ASCI values	No customer impact. Using ivi will add the data in the proper way.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
222213		3-Minor	Alarm 10108 not documented in Online Help and Customer Doc	The alarm number 10108 "Duplicate scheduled export task queued" is raised on NOAM. However this alarm is not listed or described in Online Help or Customer Doc (910-6528-001_rev_b).	Resolved	Defer
222233		3-Minor	DSR GUI: Command Code screen incorrectly reports 0 matching records	No impact to system functionality. Incorrect number of command codes displayed via the GUI.	Resolved	Defer
222245		3-Minor	Bulk Import/Export can cause alarm 19901 CFG-DB Validation Error	The user should not run an enable / disable all script and a bulk import at the same time. This can cause a DBCA race condition which will result in a DB validation error. If the user does this, and sees this error, they should restart the dsr process on the MP which raised the alarm.	Resolved	Defer
222247		3-Minor	DSR 4.0 - IPFE GUI - Need to add value range and default value to Imbalance Detection Throughput Minimum Description	No customer impact. The online help provides the information that is missing from the GUI description.	Resolved	Defer
222342		3-Minor	[SEC] CentOS : RHSA-2012-1288	No impact on system operation/performance. Vulnerability will be reported on security scans	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
222343		3-Minor	[SEC] CentOS : RHSA-2012-1426	No impact on system operation/performance. Vulnerability will be reported on security scans	Resolved	Defer
222344		3-Minor	[SEC] CentOS : RHSA-2012-1461	No impact on system operation/performance. Vulnerability will be reported on security scans	Resolved	Defer
222346		3-Minor	[SEC] CentOS : RHSA-2012-1304	No impact on system operation/performance. Vulnerability will be reported on security scans	Resolved	Defer
222347		3-Minor	[SEC] CentOS : RHSA-2012-1261	No impact on system operation/performance. Vulnerability will be reported on security scans	Resolved	Defer
222348		3-Minor	[SEC] TLS CRIME Vulnerability	No impact on system operation/performance. Vulnerability will be reported on security scans	Resolved	Defer
222355		3-Minor	[SEC] CentOS : RHSA-2012-1549	No impact on system operation/performance. Vulnerability will be reported on security scans	Resolved	Defer
222401		3-Minor	EMRT: Implicit routing performance worse than connection route group with routing enhancement	This only impacts Egress Message Throttling when Implicit Routing (DestHost) is used.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
222412		3-Minor	Both NO servers can be moved to 'forced standby' from the Prepare Upgrade screen	If both NOs are accidentally placed in standby no changes can be made from the GUI. Contact Tekelec support in this situation .	Resolved	Defer
222419		3-Minor	DSR/SDS - Backup failed alarm doesn't clear after a successful backup	Stuck alarm that has to be manually cleared using the workaround.	Resolved	Defer
222426		3-Minor	DSR 4.0 - Server Exception Measurement Report does not work.	Generating measurements reports for "Server Exception" will display no data. Measurement report "Server Exception" is intended for use when troubleshooting field issues. This measurement does not provide information of value to customer related to system operation.	Resolved	Defer
222440		3-Minor	Update Measurement description in the signaling code.	The PR is related to the measurement description i.e. displayed on the GUI. It does not impact the functionality.	Resolved	Defer
222479		3-Minor	DSR fails to configure the IPFE TSA intermittently	None with the workaround provided.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
222503		3-Minor	OAM GUI: Error Code 19138 is used twice in the code	Customer may see two different error messages associated with Error Code 19138. 'ERR_INVALID_ACTION' Invalid Action for this Object' or 'ERR_MPSTAT_EXCEPTION_OCCURRED' Exception occured while collecting MP Statistics	Resolved	Defer
222588		3-Minor	Need to document DSR behavior for managing ICMP messages on IPV6 ipsec connections	Customer could see interoperability issue between the DSR and peer connections configured to use openswan ipsec encryption on IPV6 stack.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
222597		3-Minor	Disabled IPFE connection is stuck in Degraded / Proving state	This problem is not service affecting (does not affect traffic). It is a status reporting issue. The connection status is being reported twice (by two different DA-MPs). The Maintenace Leader reports the status as Disabled (this status is correct) and the DA-MP where the connection was previously established reports the status as Degraded / Proving (this status is incorrect). This problem is intermittent. It has been seen very rarely, only when disabling a very large number (6500) of connections at the same time, or when repeatedly enabling/disabling a connection (around 15-20 times in a row). If this issue is encountered the dsr process on the DA-MP that is reporting the status will need to be restarted.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
222659		3-Minor	spmd core files manipulating IPSEC connections	Administratively enabling and disabling IPSEC connections randomly produces spmd core files. And alarm will be generated for the DA-MP with the core file. This core file does not impact traffic and the core file can be removed. Contact Tekelec Customer Care to have core file analyzed and removed.	Resolved	Defer
222665		3-Minor	Issues getting multiple IPSEC connections operational at the same time on the same MP	IPSec connections would be unreliable until the configuration is corrected.	Resolved	Defer
222719		3-Minor	Alarm 19901 raised after DSR migration with IPFE	Restarting the MPs can affect connections that remain enabled during the migration or have started coming up after the TSA is configured.	Resolved	Defer
222721		3-Minor	Filter does not work on Message Priority Cfg Set	No customer impact. Since there are only 20 Message Priority Configuration Sets allowed, the user is able to find the one in question without the filter.	Resolved	Defer
222769		3-Minor	Status & Manage->Database screen does not auto-refresh	After Inhibiting or Allowing replication from the Status & Manage->Database->Inhibit/Allow Replication screen, the customer will need to click on the Database screen again to see the updated status.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
222826		3-Minor	Inetmerge alarm after force restore during disaster recovery.	When cluster id field of the RecognizedAuthority table is corrected to match clusterid shown by top.myrole command on the restored NOAM no impact to customer is expected.	Resolved	Defer
222829		3-Minor	Active NO /etc/hosts file does not contain server aliases after force restore done as part of the disaster recovery.	When server aliases are added to the /etc/hosts file no impact is expected	Resolved	Defer
222919		3-Minor	[SSST] Issues with debug/internal measurements of SLDB	No impact - Issue with Debugging Measurements is not Customer facing.	Resolved	Defer
223339		3-Minor	Event ID 22002 is triggered for PRT rules with different priorities configured	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 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.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
223498		3-Minor	Misconfiguration on the Services screen causes a silent failure when adding server to a server group.	If the Services screen is misconfigured (e.g., using INTERNALXMI for "Intra-NE network" and INTERNALIMI for "Inter-NE network") it will cause a silent failure when adding server to a server group.	Resolved	Defer
223621		3-Minor	CAPM DiamMed: Trying to delete all the rules from a Rule Template fails.	Customer must delete the mediation rules one by one.	Resolved	Defer
223811		3-Minor	FABR default Min IMSI lengh need to be updated	For Customers using the standard URI format (sip+) there is no impact.\n\nFor Customers not using the standard URI format the issue can be worked around by updating either the minimum IMSI length or by use the NAI format instead.	Resolved	Defer
224236		3-Minor	Error Answer for incoming Request with HbHId=0 will have incorrect HbHId in Answer	Virtually no impact and very unlikely to occur. Initially the call will be routed to a peer, only if a "No Answer" is received from the peer (call already not successful) and if the peer returns a HopByHopId = 0 (32 bit value, so odds are 1 in 4294967296) will this issue be seen. If the occurs the origination peer will not receive an answer back and time out.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
224352		3-Minor	MP Card ComAgent Connection stuck on Forming connection status	Network Alarmed with a major Alarm 19800 –ComAgent Connection Down. This impacted the IMI internal communication between this MP card and the rest of the MP cards on the system. Issues with IMI internal communication will impact the MP cards diameter connections failover and sync Workaround: Restarted the dsr process on all MP cards on the DSR system	Resolved	Defer
224366		3-Minor	Clicking on "Peer Node" name while editing Route Group causes Provisioned Capacity to disappear	There is no impact to database configuration or system functionality. If the user performs the above actions and tries to apply the changes, an error message pops up informing the user that a Provisioned Capacity value is missing, and the change is prevented. The Customer will have to Cancel and re-Edit the Route Group again.	Resolved	Defer
224641		3-Minor	OM Description missing in DSR 4.0 Online Help	There is no impact to system functionality, the if the Customer requires the description for a particular OM that is missing from the Online Help, the Customer will need contact the Customer Care Center.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
224665		3-Minor	Wrong error message when inserting a Connection with a local ip address configured in HaVipDef but not present in the HaVipRu	User can be misled by error message that says "[Error Code 19240] - Connection cannot be inserted because the MP has no profile assigned". For DSR with DA-MP server group in Active/Standby setup, user is unable to configure a connection with the VIP which is not owned by an MP. VIP may not be attached to an MP in case of HA problems. Once HA problems are resolved, and the VIP is owned by an MP, the connection can be configured.	Resolved	Defer
224782		3-Minor	"Transaction Lifetime" under ROS does not sort properly, same with Pending Answer Timer values	Minimal system impact since it is not expected that there will be a significant number of Routing Option Sets with different transaction lifetimes to require sorting. Scrolling through the values to identify them will be sufficient in a large majority of the cases. This is also true for pending answer timers.	Resolved	Defer
224828		3-Minor	Pending Answer Timer Value accepts non-numeric characters	If the user accidentally enters a non-numeric character after the third digit the entire entry will be truncated to the first three digits only which will create a slightly lesser Pending Answer Timer then expected.	Resolved	Defer

PR Number	CSR	Severity	Title	Customer impact	Status	Disposition
225055		3-Minor	CAPM DiamMed: Failing actions cause a much more severe negative performance impact compared to successful actions	When actions fail in a mediation rule template for a large number of messages (condition matches the message, but action can not be performed for some reason, eg. AVP to be modified does not exist) the performance of MP is severely degraded and may cause a boot.	Resolved	Defer
225216		3-Minor	CAPM DiamMed: High CPU usage when using regexp in Mediation template causes DSR restart on MP	This issue has only been seen by PV. PV created a Mediation Rule condition that used a poorly written and inefficient RegExpr with nested unlimited repeats for the purpose of fault insertion. The RegExpr ^([0-9a-fA-F#*]+[\-\.\(\)]?)*[0-9a-fA-F#*]+$ makes 300,000 attempts to match "9999999992250999".	Resolved	Defer
225363	1000072	3-Minor	Can not edit Application Id in RBAR menu	RBAR Application ID can be deleted but not edited.	Resolved	Defer
225526		3-Minor	IPFE: delete on an IPv6 address, it removes the Target Set entry and the Local Node shows IPv6 address (OLD)	This issue does not occur when the below sequence is followed when deleting a TSA IP address: 1) disable and delete any connections 2) delete the IP address from the Local Node 3) delete the TSA address.	Resolved	Defer

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225850		3-Minor	Update cust docs with Tekelec's vendor specific ID and AVPs	No functional impact, if Customer has question regarding "DSR AVP IDs" they will have to request this information from Tekelec.	Resolved	Defer
226494		3-Minor	[SEC] MySQL injection problems with login screen	Security scan on software will report a security vulnerability issue allowing the possibility of unauthenticated access to mysql queries.	Resolved	Defer
226550		3-Minor	Read logic in SCTP and TCP shall be aligned	There is no impact for correctly formatted Diameter messages. There is a difference in the message format error checks between TCP and SCTP, so that a badly formed message sent on TCP may report a message format error, while the same message sent over SCTP may not report the same format error.	Resolved	Defer
226767		3-Minor	PMAC: Cross Site Scripting was found.	Security scan on the release may report a security vulnerability: "w3af_gui testing, Cross Site Scripting was found"	Resolved	Defer
226829	1004196	3-Minor	Online help for Routing Option Set describes the incorrect default for Max Per Message Forwarding Allowed	GUI is correct; customer might be confused between GUI and Help values	Resolved	Defer

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227072	1002308	3-Minor	"Diameter > Maintenance > Connections" displays secondary local(not peer) address while alarm 22103 is active.	Primary address on the Diameter > Maintenance > Connections screen shows as the Secondary local address.	Resolved	Defer
227090		3-Minor	RBAR/FABR: Sorting by Application Id not working on Supported Applications screen.	Customer should not sort by Application Id column for RBAR and FABR applications.	Resolved	Defer
227196		3-Minor	APDE Scheduled task "Edit" does not reflect correct "Export Directory" configured	Does not impact behavior, but may be a source of cunfusion for the DSR GUI user. If the user has previously created a APDE Scheduled Export task, to export data to the File Management area, when the user goes to edit / view that Scheduled Task on the DSR GUI, it will incorrectly show it is exporting to the Export directory.	Resolved	Defer
227287	1000076	3-Minor	Mediation: "Set Help" field longer than 1500 chars is silently truncated - When activated error occurs	When creating a Mediation template, the "Set Help" field cannot be longer than 1500 characters.	Resolved	Defer
227312		3-Minor	HA status roles are not reporting consistent status between different DSR's on same release	HA status roles will not report consistent status between different DSRs.	Resolved	Defer

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227446		3-Minor	DRL: Pre-update error when updating routing option set with max per msg fwd == 1	This problem is low impact because there is a simple workaround using the provisioning GUI. The problem is fixed in the next release.	Resolved	Defer
227511		3-Minor	NOAM and SOAM virtual guest profiles to be adjusted for large deployments	When veiwing reports of system memory utilization, customer will notice the peaks at around 90%. However, there is no impact on NOAM operation as the memory use is temporary and eventually utilization returns its normal levels.	Resolved	Defer
227585		3-Minor	Max NE value is specified but not enforced	More than 16 total Network Elements is not supported by Tekelec. Although not currently blocked by the DSR software, Customers must not configure more that 16 total Network Elements per DSR system to be supported.	Resolved	Defer
227679		3-Minor	DSR GUI allows duplicate IPs to be assigned on different MPs which use the same Network Element	Customer must ensure they don't configure duplicate IPs to be assigned on different MPs which use the same Network.	Resolved	Defer
227726		3-Minor	Status & Manage->files screen showing 0's for System utilization	System Utilization on bottom of the status & Manage->Files screen is incorrect.	Resolved	Defer

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227792		3-Minor	No error when configuring >16 remote servers assigned to a local server group via "Remote Servers" screen	Cannot configure >16 remote servers assigned to a local server group via the "Communication Agent> Configuration> Remote Servers" screen. This must be managed manually by user since there is no restriction from GUI.	Resolved	Defer
228000		3-Minor	DSR Diameter Configuration, Maintenance, and DSR Applications Guide needs updated DSR backups	There is no impact. The Provisioning data is subscriber related information and is applicable to other Tekelec Products such as SDS and HLR Router. DSR only has configuration data, it does not have provisioning data and therefore the provisioning checkbox is disabled. Backups taken were the only allowed option of "Configuration Data" are complete with all necessary data.	Resolved	Defer
228002		3-Minor	FABR/RBAR should send error Answer when "missing padding bytes" EDL exception is detected during AVP decode	Diameter messages with missing padding bytes is not likely to occur in the field. No reply message will be sent by the DSR to this type of request.	Resolved	Defer
228018		3-Minor	FBAR/RBAR: Answers generated by application need to marked as "application generated"	The RxAnswerExpectedRoutedMp measurement will be inaccurate. This measurement counts the number of Answers received from Peers which are successfully routed to the network. No traffic loss or system stability issues will arise as a result of this issue.	Resolved	Defer

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228188	1007176	3-Minor	/var/log/messages reached 100% due to : IPMI Watchdog: response error message	Once the /var partition reaches 100% the blade server will stop writing/updating the partition. Thus, the blade server may stop working correctly as designed.	Resolved	Defer
228296		3-Minor	EDL handling of grouped AVPs included in DIAMETER error answer	DSR process on MPs will crash causing traffic interruption when AAA server replies with errors that include the 'Subscription-Info' AVP.	Resolved	Defer
228318		3-Minor	inetmerge shared memory segment locking issue	None, it elevates the RAM utilization metric on the DSR NOAMs and SOAMs. It does not increase it to a level that requires immediate attention.	Resolved	Defer
228464		3-Minor	Traffic loss on DA-MP because of excessive locking causing DCL to freeze up when DA-MP is being added to IPFE target set	Customer impact is low. Such provisioning changes will only be made in a maintenance window when traffic is likely to be quite low.	Resolved	Defer
228638		3-Minor	ConnectionStatus entry not completely initialized when created by DA-MP Leader	The Connection Maintenance screen will show junk in the "Smoothed EMR" field for connections associated with an Egress Message Throttling configuration set.	Resolved	Defer
228659		3-Minor	Filter for "Server Exception" measurements returns error	Measurement cannot be filtered using Group=Server Exception	Resolved	Defer

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228788		3-Minor	Mismatch between FD006895 requirement and code for Ingress Message Rate threshold parameters	System impact is minimum as there is no functional impact. Only Alarm may be raised earlier.	Resolved	Defer
228789		3-Minor	Answer message error-text string mismatch as per FD006895 in the event of "Maximum IMR Exceeded"	System impact is minimum as there is no functional impact. Only answer message will have mismatched error text string.	Resolved	Defer
228887	1000860	3-Minor	Behaviour of "Authorized IPs" feature	Customer is not able to use the feature and it causes the user accounts to be locked out.	Resolved	Defer
228913		3-Minor	DSR 4.0: Possible restart scenario if system runs out of PDUs	This problem can only happen in the case where there are no more available PDUs, and rerouting is occurring when DCL is not handling requests in a timely manner. We do not know for sure if this problem can even happen, since we cannot reproduce it in a lab.	Resolved	Defer
229139		3-Minor	DSR GUI Does not Display OA Traps	OA alarms must be manually correlated.	Resolved	Defer
229519	1011070	3-Minor	Invalid display while SCTP multihomed with more than 2 IP address	Unable to use the GUI to evaluate Connections.	Resolved	Defer

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229534		3-Minor	Shell Command Injection Prevention	Malicious user with network access may be able to inject shell commands resulting in denial of service or exposure of sensitive data.	Resolved	Defer
229928		3-Minor	DSR 4.0.2: RoutingOptionSet table has '0' for Transaction Lifetime for new ROS	modify the transaction lifetime field to a valid value.	Resolved	Defer
229967		3-Minor	Smoothed EMR value not reset on connection maintenance screen after connection termination	GUI shows incorrect Smoothed EMR for connection that is not in service.	Resolved	Defer
230009		3-Minor	Minimize privileges for application db user	The awadmin user, having full privileges, could compromise system security.	Resolved	Defer
230062		3-Minor	Task ID 32bit Limit	Minimal impact. Creation of 32K processes is not likely in the field.	Resolved	Defer
230171		3-Minor	Prevent Reflected Cross Site Scripting	Limited impact. GUI is presumably contained within the customer network. If needed external firewalls and access lists can be applied to mitigate exposure.	Resolved	Defer
230222		3-Minor	The Report All button on DSR trap screen only reports 25 traps	Limited impact. External trap receivers can be configured to receive traps.	Resolved	Defer

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230257	1012810	3-Minor	Command Code cannot be deleted as it is in use by Message Priority Configuration Set	The end user can not delete a Command Code.	Resolved	Defer
230278		3-Minor	MySQL (lmysqld) must run under non-root user account	Limited impact. System access can be controlled by external firewall and access lists.	Resolved	Defer
230462		3-Minor	DSR 4.0.2/4.0.3 upgrades result in measurement retention < 1 day	Limited impact. Measurements can be retrieved and saved pre-upgrade	Resolved	Defer
230467	1012218	3-Minor	DGWMS4 SOAMMS02 cold start traps will not clear GUI	Unable to have accurate view of alarms.	Resolved	Defer
230492		3-Minor	Only 2000 records inclued in Alarm History exported post 40.27.3 upgrade	Customer may not be able to see some older alarms without specific queries and filtering.	Resolved	Defer
230741		3-Minor	Measurements before upgrade are lost after upgrade to 4.0.2/4.0.3	The measurements data is lost between the time of the last report and the completion of the upgrade on the NOAMs or SOAM servers.	Resolved	Defer