

Oracle[®] Communications
EAGLE Application Processor

Release Notice

Release 15.0

910-6710-001 Revision D

February 2014

Oracle® Communications Release Notice, Release 15.0

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Introduction

This Oracle® Communications *EAGLE Application Processor (EPAP) 15.0 Release Notice* includes Resolved and Known PRs for EPAP Release 15.0.2, Build 15.0.2-150.27.0, Release 15.0.1, Build 15.0.1-150.24.0, Release 15.0, Build 15.0.0-150.21.0. The *EPAP 15.0 Release Notice* includes:

- Resolved PRs for EPAP 15.0.2
- Resolved PRs for EPAP 15.0.1
- Resolved PRs for EPAP 15.0
- Known PRs for EPAP 15.0
- Upgrade Paths for EPAP 15.0
- EPAP Software Compatibility

Release Notices are distributed to customers with a new software release at the time of General Availability (GA) or Limited Availability (LA). EPAP Release 15.0, 15.0.1 and 15.0.2 are GA Releases.

The Release Notice is available only on the Customer Support site. For each new publication to the web, the revision level of the part number is incremented. The Release Notice can be located under the Recent Release Notices tab by its title or part number; or by its product and release; see also *How to Locate Documentation on the Customer Support Site*.

PR Severity Definitions

The PR sections in this document 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)*, Telcordia, December 1998.

How to Locate Documentation on the Customer Support Site

Access to the Customer Support area is restricted to current customers. This section describes how to log into the Customer Support site and how to locate customer documentation. Viewing these files requires Adobe Acrobat Reader.

- 1 Go to the [Customer Support site](#).
- 2 Enter your assigned username and chosen password, then click **Login**.
Or, if you do not have access to the Customer Support site, click **Need an Account?**

Follow the instructions on the screen.

NOTE: After 20 minutes of inactivity, you will be logged off, and you must repeat this step to regain access.

- 3 After successful login, select a product from the Product Support drop-down menu (for example, EAGLE shows all EAGLE products after release 34.0).
- 4 Select a release number from the Product Support Release drop-down menu.
- 5 Locate the appropriate documentation section (i.e., a Feature or Release Notice would be under **Notices**, and user documentation would be under **Manuals**).
- 6 To open the documentation in the same window, double-click the document name. To open the documentation in a new window, right-click the document name and select **Open in New Window**.
- 7 To download the document, right-click the document name and select **Save Target As**.

Resolved PRs

The Resolved PR tables show an impact statement for Severity 1 and 2 PRs as well as for Severity 3 PRs that are associated with a CSR.

Table RN-1 on page RN-5 lists Resolved PRs for EPAP 15.0.2-150.27.0

Table RN-2 on page RN-7 lists Resolved PRs for EPAP 15.0.1-150.24.0

Table RN-3 on page RN-8 lists Resolved PRs for EPAP 15.0.0-150.21.0

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

Table RN-1. Resolved PRs for EPAP 15.0.2 Build 15.0.2-150.27.0 (7/15/13)

PR #	CSR?	Sev	Title	Customer Impact
227087		2	EPAP15.0.1 : More than 120M DN are gettig added successfully.	Would require an RTDB reload to recover.
228275		2	"RMTP channel"-related alarms are observed on EPAP GUI	When DSM network is reconfigured, RMTP Channel Down alarms will be observed on the EPAP GUI.
217391	Y	3	EPAP GUI terminates in absence of the sync network.	The GUI is unavailable in case of any issues with the other server in the EPAP pair setup. This leads to problem in debugging.
221037	Y	3	CDS-EPAP 15 GUI does not work properly on https.	If by any chance customer opts to disable http and enable https, then he will not be able to open the GUI in https. Neither will the customer be able to switch back to the http using the GUI, as this will not be functional. In such cases, Tekelec intervention will be required.
221268	Y	3	EPAP: Retrieve of NE shows 1 DN but, Export of NE shows no DN's associated.	Customer is not able to delete an NE from the GUI which has no DN associated.
223123	Y	3	Stale PDDBA-RTDB connections on PDDBA server causing provisioning traffic to not reach to the RTDB clients.	RTDBs will stop taking provisioning updates from PDDBA without any alarm/indication to the customer.
223279	Y	3	Modify the error text displayed due to timeout during modification of password (changePassword.cgi on EPAP)	In case of timeout during the password modification, the GUI does not convey the correct error text.
224026		3	Platform version is not correct in epapconfig menu.	
225275	Y	3	Auto_PDB_RTDB_BACKUPS - Local backups are not removed when local_copies=yes, delete_old_backups=yes and backup type=MATE	The available capacity of the free partition continuously decreases (more than 3 backup files are kept; this condition can be worsened if failover occurs that prevents the removal of old backup files). May need manual intervention to remove old backup files.
226166	Y	3	EPAP15-RAMP- Unwanted/Unexpected error messages in pdba.err.	Unwanted messages in the PDDBA.err logs.
226212	Y	3	Help information for "SSH to MPS" submenu in Platform menu on EPAP GUI needs to be modified.	The "ssh to mps" menu option does not allow login on server by entering "user@hostname". It works for user@.
227869	Y	3	Defunct context process after software stop during automatic RTDB backup causes EPAP s/w to not start after backup is over.	The condition causes EPAP software not to start. The situation may also cause service outage in the field.
227931	Y	3	The command to start EPAP application always returns "EPAP application started" even if the application does not start.	The command to start EPAP application always returns "EPAP application started" even if the application does not start.
228583	Y	3	The configuration for backup configuration network via epapconfig shows error is syscheck.	Failure in syscheck and not opening of the GUI with backup provisioning network IP.

PR #	CSR?	Sev	Title	Customer Impact
215422	Y	5	EPAP - Redundancy for Synchronization Network	
221639		5	After upgrade switch configuration is failing on E5-APP-B.	
223548		5	EPAP - Monitoring of RTDB clients on the PDB and alarming	

Table RN-2. Resolved PRs for EPAP 15.0.1 Build 15.0.1-150.24.0 (4/30/13)

PR #	CSR?	Sev	Title	Customer Impact
225999		5	Need to remove or replace GUI GIF images that are either unused or unlicensed	
226574		5	Update to current TPD 5.5 build	

Table RN-3. Resolved PRs for EPAP 15.0.0 Build 15.0.0-150.21.0 (3/27/13)

PR #	CSR?	Sev	Title	Customer Impact
208475		3	EPAP_13.0.3_MR:DN is wrongly written as TN, and DN Block as TN-Block in RTDB watcher and in gs.dbg logs.	
210590	Y	3	The EPAP epapsmdbmnr process producing core files.	Frequent core file alarms on the server.
210743	Y	3	Uncomplete retrieve while updating DN	Customer needs to have a look at actual values before modifying DN values.
211647	Y	3	False "RTDB INCOHERENT" and "RTDB Reload Is Required" alarms observed on the EPAP 13.0.	False alarm on the GUI saying "RTDB Incoherent" and "RTDB Reload Is Required".
213048		3	EPAP_14.0.2: Low system CPS when IMSI delete with DNB Self Heal ON.	
216825	Y	3	Newer Apache version required in EPAP.	Potential security risk.
201267		5	Cronjob removing some banners raised with timeout	
201277		5	When MySQL replication failure occurs continuously, the corresponding banner is skipped at some instances	
201810		5	Discrepancy in performing RTDB backup from GUI and epapconfig menu	
202967		5	Eagle: EIR Expansion from 50K to 100K	
203040		5	Providing DB purchased capacity information	
206758		5	Additional PDBI Provisioning Stats on EPAP	
206813		5	EPAP: 120M DN and 120M IMSIs via split database	
206814		5	E5-APP-B Platform	
209520		5	PDB Provisioning improvements cache implementation.	
210160		5	Store Auto export files in compressed format	
215807		5	DB migration from EPAP 13 or EPAP 14 to EPAP 15.0	

PR #	CSR?	Sev	Title	Customer Impact
219108		5	EPAP15.0_ST: EPAP rtrv GUI should be enhanced	
219569		5	EPAP15.0_ST: Newly created GUI user under group Read-only should be able to retrieve IMEI, IMEIBlocks from PDBA menu.	

Known PRs

Table RN-4 on page RN-11 lists Known PRs for EPAP 15.0

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

Table RN-4. EPAP 15.0 Known PRs (7/15/13)

PR	CSR?	Sev	Status	Disposition	Title	Customer Impact
229373		2	Resolved	No-Fix	EPAP 15.0.2: "RTDB_CLIENT_DB_DIFF" value is set as "-1"	No impact. The value should not be seen in the field. If seen, it can be set manually to a correct value.
157729		3	Resolved	Defer	Sporatic PDBA core dump when transaction is committed and Proxy Feature ON and connection to mysql server on B is lost	Customer must try to resend the provisioning that was in progress when the pdba core dumped. No other work is required since the PDBA will restart automatically and the database will be rolled back.
159506		3	Resolved	Defer	IMSI range provisioning on standby PDB GUI is successful and replicates change to the active PDB.	Behavior does not cause a problem, however this behavior is inconsistent with other PDBA provisioning.
160053		3	Resolved	No-Fix	MMI port connection display has unwanted control characters and no function key capability	Use of the MMI port will result in the display of unwanted characters in output making it difficult for users to use the screen for entering commands. The customer will have full VT100 terminal in KSR mode functionality when connected thru the ELAP GUI.
160755		3	Resolved	Defer	No Updates 1017 RC is not being returned when using force=yes	No operational impact. Wrong return code is returned.
195256		3	Resolved	Defer	EPAP_14.0: Alarms text decoded on EPAP GUI is different from the manual	There is no customer impact other than there may be confusion about the decoded message stating "Error" and the document stating "Failure". The code should be changed to align with the document and the platform.
197708		3	Resolved	Defer	EPAP_14.0_ST:Unwanted editable value for parameter "Maximum number of records to return:" is shown on GUI.	Minimal system impact. This behavior is a little inconsistent with the typical behavior for displaying EPAP GUI fields but presenting the value has no functional impact.
201748		3	Resolved	Defer	EPAP_14.0_ST: mysql replication is broken after backout from EPAP 14.0 to EPAP 13.0	The customer will see the replication errors in the banner of the GUI. MSG: MySQL data replication error detected; Attempting to restart MSG: Attempt to restart MySQL replication failed Tekelec will need to execute work around.

PR	CSR?	Sev	Status	Disposition	Title	Customer Impact
204843		3	Resolved	Defer	EPAP does not display some values	Some parameters are only displayed when their value is "yes". Nothing is displayed for some non-provisioned parameters. Without an explicit list of parameter values, customers could make the wrong assumption about parameter values.
209653		3	Resolved	Defer	The time taken by the RTDB reload from remote needs to be done in 1 hour.	The current time to reload from remote is 1.5 hours which will increase with 240M size databases. (This operation also includes reloading the SM's so the overall impact is to support and working within a MW.)
209654		3	Resolved	Defer	The RTDB reload for PDB: 36 hours is not a valid number for support. At max it needs to fit in 6 hour maintenance window.	The current time is 36 hours which is not a valid number for support. At max it needs to fit in 6 hour maintenance window. The impact makes supporting disaster recoveries very long and tedious.
212775		3	Resolved	Defer	EPAP 14.0 Security - Apache HTTP Server httpOnly Cookie Information Disclosure on Port www (8001/tcp) and www (80/tcp)	There should be no impact to the customer as the EPAP application does not use httpOnly cookies. The application will upgrade to the suggested version of Apache httpd as soon as possible.
216959		3	Resolved	Defer	EPAP 15.0:240MDB-PDBI_TXN_TIMEOUT occurs when DN is retrived using NE filter from EPAP GUI.	The customer may be inconvenienced by larger queries that time out before returning the results requested. They will have to break up the large queries into smaller ones that will complete.
217281		3	Resolved	No-Fix	EPAP 15.0: In maint.log while alarms are generated, ELAP is logged instead of EPAP.	The customer may see some alarms that are shared between EPAP and ELAP (common alarms) logged as ELAP.
217328		3	Resolved	Defer	EPAP15.0 CPS for rtrv DN end values is less.	When doing a rtrv at the beginning of a range the CPS is higher, when doing a rtrv at the end of a range the CPS is lower.
217386		3	Resolved	Defer	EPAP15.0 PDBA software is not getting started.	The Pdba application could not be stopped successfully from the CLI, but the operation is successful from the GUI.
217661		3	Resolved	Defer	EPAP15.0 CPS for rtrv DN Block and IMEI Block from the end is less than the expected CPS.	DN Block and IMEI Block provisioning may be below the expected performance rates.
217662		3	Resolved	Defer	EPAP15.0 CPS for ADD DN Block and IMEI Block at the end is less than the expected CPS.	DN Block and IMEI Block provisioning may be below the expected performance rates.

PR	CSR?	Sev	Status	Disposition	Title	Customer Impact
218294		3	Resolved	No-Fix	EPAP15.0:RN is not getting added when DN is updated with non-existing RN.	The customer will not be allowed to provision the 50000th NE. They will be returned the error E1017:PDBI error: 1035: PDBI_MAX_NE_LIMIT.
218547		3	Resolved	Defer	EPAP 15.0 In some scenarios,E1032 is not observed when command is aborted.	The impact is very low, as the user wants to abort the operation anyway. The E1032 error is not displayed but the previous menu is displayed.
218976		3	Resolved	Defer	While provisioning IMEI if all the 8 IMSIs are 15-digit numbers then its getting failed	No real detrimental system impact. The transaction will be rejected and no actual provisioning will take place.
219170		3	Resolved	No-Fix	EPAP15.0: String is not working properly for parameters EPAP_DATA_SPLIT and EIR_BLK_EXPANSION_100K.	There is no customer impact.
219396		3	Resolved	Defer	EPAP15.0_ST:Concurrent logins of EPAP GUI is not working correctly.	All sessions on the same PC to the same EPAP will use the permissions of the last login from that PC.
219398		3	Resolved	No-Fix	EPAP15.0_ST: PDB and RTDB backups with 240 M DB are getting successfully restored on EPAP when EPAP_DATA_SPLIT feature is OFF	There is no way a customer would get a 240M DB to restore from before the feature is turned ON. So there is minimal customer impact.
219444		3	Resolved	Defer	EPAP15.0_ST: GUI via HTTPS is not working correctly.	No real detrimental system impact. The user has to login again.
219561		3	Resolved	No-Fix	EPAP15.0_ST: Automatic RTDB/PDB backup is not getting displayed on Schedule EPAP task from EPAP GUI.	No customer impact
220308		3	Resolved	Defer	In Epap 15.0_ST core.context.23785 is Observed.	There could be alarm for a core file when there is no actual impact on the system running.
221306		3	Resolved	Defer	EPAP15.0_ST: "View RTDB status" MinDsmSz" shows garbage value when no eagle is connected	No real impact to operation.
221507		3	Resolved	Defer	Syscheck fs module and the Linux df command seem to caculate the spaced used differently	May be some confusion as the two different ways to show size show two different values. However there is no operational impact.
221926	Y	3	Resolved	Defer	Different values for ST (Subscriber type) in DN retrieve for PDBA and RTDB	None/low - low to no impact.
222593	Y	3	Resolved	Defer	The mail queue is not being delivered to the mailboxes of the users. (mail is not configured correctly on EPAP 15 systems)	We have not seen mail use being configured in EPAP for any customer.

PR	CSR?	Sev	Status	Disposition	Title	Customer Impact
222595	Y	3	Resolved	Defer	The cron script /etc/cron.daily/checksel is not running correctly	No impact to normal operation.
222628		3	Assigned	Active	Need to identify database size in E5-APP-B Performance table	Customer will not know that we used a database size of 240M entries for the Performance tests.
222781	Y	3	Resolved	Defer	CDS-GUI will show the session is Terminated if switch1b is down, eventhough GUI is still working.	May be treated as security breach.
222783	Y	3	Resolved	No-Fix	CDS - EPAP1A (EPAP1B) should not show the option to configure switch1B (switch1A) in platcfg.	The configuration of switch1B (switch1A) would always fail from EPAP server 1A (server1B).
222787	Y	3	Resolved	Defer	IMSI Range addition should not be allowed from EPAP GUI.	PDB and RTDB database does not increase when an IMSI Range is added with EPAP GUI. In fact, the RTDB does not use IMSI range at all. IMSI Range addition should not be allowed from EPAP GUI.
222990	Y	3	Resolved	Defer	DSM_MIN_MEM_SIZE will never be set to a higher value even if the lowest memory size data card is removed from eagle.	False DSM over allocation alarms on EPAP and Eagle with provisioning impact.
224027		3	Resolved	Defer	EPAP15.0_ST:Platform version is not correct in epapconfig menu.	If the customer is using this menu to determine the platform release they will not be able to get that information. It is incorrectly displaying the EPAP version for the platform version.
226013	Y	3	Resolved	Defer	RAMP EPAP15-E5-APP-B PDB switchover failing.	The unwanted PDDBA state switchover could leave the system in a state where this would not establish CPA write connections and a manual switchover of PDDBA states would be required.
227297		3	Resolved	No-Fix	EPAP15.0.1 : Alignment of serial numbers in Change password GUI is incorrect.	GUI views is not perfectly aligned but information is readable.
227337	Y	3	Resolved	Defer	PDDBA allows to re-enter the same IMEI again, which may cause inconsistency between PDB and RTDB DBs.	PDDBA allows to re-enter the same IMEI again, which may cause inconsistency between PDB and RTDB DBs.
228335		3	Resolved	No-Fix	User is asked to stop software even if the EPAP software is not running	No system impact. Useless action which does not hurt the system.

PR	CSR?	Sev	Status	Disposition	Title	Customer Impact
228386		3	Resolved	Defer	EPAP 15.0.2: Halt the MPS & Eject the Cd tab should be removed from modify/rtrv user/group GUI.	No impact as the option shown on GUI is not used. It may cause minor confusion.
228441		3	Resolved	Defer	EPAP 15.0.2 : Spelling of word successful is incorrect.	None. Cosmetic error only.
228451		3	Resolved	No-Fix	EPAP 15.0.2: IMEIBLK is successfully added with same beginning and ending address.	No impact on the system. The "IMEI Block" is managed as a single entry.
228749		3	Resolved	Defer	EPAP 15.0.2 : Displaying Wrong error message while cancelling automatic backup.	The backup is not configured so there was actually nothing to change. So the only possible impact is confusion that nothing was needed to be changed.
228817		3	Resolved	No-Fix	EPAP 15.0.2: EPAP GUI says update successful even if when no update parameters are passed	No system impact. Possible confusion due to the successful acknowledgement of an action which is ignored (no modification being done).
228900		3	Resolved	Defer	EPAP 15.0.2: Circular number substitution is getting created when error 1049 should be generated	Incorrect NSDN might be returned for a particular DN.
228950		3	Resolved	Defer	EPAP 15.0.2: Ambiguity in GUI while adding IMEI and IMEIBLK.	GUI is not the same for adding IMEI and IMEI block. Does not have any negative system impact.
228953	Y	3	Resolved	Defer	Need to change date in "zoneinfo/Israel as per latest Israel government laws.	DST in Israel will not match the currently legislated dates for time change.
229140	Y	3	Assigned	Active	Customer documentation directs customer to Reload from PDBA instead of from Mate.	The RTDB restore will take several hours instead of a few minutes. Even after the RTDB restore from PDB completes, RTDBs (mate and self) may have different birthdates that may again cause an RTDB reload alarm.
229168		3	Resolved	Defer	EPAP 15.0.2 : Word NPT is being displayed after performing keys exchange.	Extra line printed "NPT". No impact on the functionality.
229173		3	Resolved	Defer	EPAP 15.0.2 : Script getRTDBClientStatus.pl is being executed on Non-Prov setup.	No system impact. The getRTDBClientStatus.pl script is run as cron job, it is not expected to run the script from CLI, hence no error message is displayed on CLI.
229316		3	Resolved	Defer	EPAP 15.0.2: Error was observed after backout.	The content of the my.cnf file mentioned in the error message is good. No system impact.

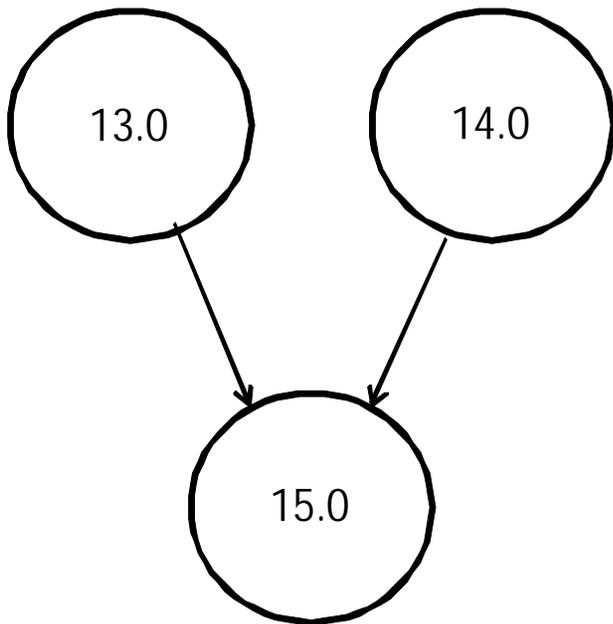
PR	CSR?	Sev	Status	Disposition	Title	Customer Impact
229320		3	Resolved	Defer	EPAP15.0.2 : hastauts of Server B stuck when we perform upgrade after backout.	hastatus of server is not correct.
229333		3	Resolved	Defer	EPAP 15.0.2: Facing issue on EPAP GUI when we access it from Backup Prov IP	The mate EPAP GUI is not accessible from local EPAP server.
229436		3	Submitted	Active	EPAP 15.0.2 : Backup Provisioning network usage is not mentioned in EPAP Admin Manual	Customer is unaware that standby PDB and non-provisioning nodes have to wait until the main provisioning network is back up and running before they can receive provisioning updates.
229571		3	Resolved	Defer	EPAP 15.0.2 : core.pdba is observed on EPAP.	Core file related alarm will be displayed. Deleting file clears the alarm.
229874		3	Resolved	No-Fix	EPAP 15.0.2 : Frequent switchover between EPAP RTDB A and B status is observed.	Alarms are generated during the switchovers. This is preferable to not alarming since an action is needed.
229925		3	Resolved	Defer	EPAP 15.0.2: authorized EPAP CLI sessions are getting terminated	Existing ssh sessions are terminated.
229939		3	Resolved	Defer	EPAP 15.0.2: DN boundary is getting failed at PDB	This issue will be observed only when the DN capacity is full (120M) and IMSI is added with force=yes. The workaround is to manually alter the transLog entries.
230154	Y	3	Submitted	Active	Update to PDBI Manual for further details on "Remote Port Forwarding" feature.	Current documentation is unclear whether or not Transaction-Oriented provisioning modes can be used with Remote Port Forwarding.
230209	Y	3	Resolved	Defer	The ping test for backup prov network not present in syscheck.	No alarm/error would show up in syscheck output for any kind of backup provisioning n/w errors.

Upgrade Paths

This section identifies the upgrade paths for EPAP 15.0.

NOTE: Release 15.0.2 is the first EPAP 15.0 Release to support T1200 Servers. Upgrades are only available on T1200 Servers. For the T1000 Servers, a migration to the E5-APP-B is required.

Figure RN-1. EPAP Upgrade Paths



Product Compatibility

RN-18

Table RN-5 on page RN-19 shows the EPAP load line-up with EAGLE releases.

Table RN-6 on page RN-20 shows EPAP 15.0 compatibility running E5-APP-B Cards.

Table RN-7 on page RN-21 shows EPAP 15.0 compatibility running on T1200 Servers.

Table RN-5. EPAP Software Load Line-up Running T1200 Servers¹

Product Element	Load Line-up Base Release Number	Upgrade Order (if applicable)
EAGLE	R45.0.x	1 = first
EPAP	15.0.x	2

¹ This does not apply to EPAP Release 15.0 on E5-APP-B since it can be installed together with Eagle Releases R43.0.x, R44.0.x and R45.0.x

Table RN-6. EPAP 15.0 Compatibility Running E5-APP-B Cards

Product	Release	Compatibility
EAGLE	42.0	NC
	43.0	PC*/**
	44.0	PC*/**
	45.0	FC

FC - Fully Compatible

PC - Partially Compatible-Product combinations are functional but have not undergone complete regression testing. Some feature capabilities may not be fully functional or supported.

NC - Not Compatible

* Partially Compatible: Larger DataBase Support will not be available (Eagle RTDB will remain at 120M until Eagle is upgraded to Release 45.0)

** EIR IMEI Block extensions from 50k to 100k will not be available until Eagle is upgraded to Release 45.0

Table RN-7. EPAP 15.0 Compatibility Running on T1200 Servers

Product	Release	Compatibility
EAGLE	42.0	NC
	43.0	NC
	44.0	NC
	45.0	FC

FC - Fully Compatible

NC - Not Compatible