Oracle® Communications
Tekelec Subscriber Data Management

Release Notes

Release 9.1

910-6883-001 Revision I

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ORACLE®

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

The Release Notes are available only on the Customer Support site. For each new publication to the Customer Support site, the revision level of the part number is incremented. The Release Notes can be located under the Recent Release Notes tab by its title or part number; or by its product and release; see also Locate Product 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:
TL 9000 Quality Management System Measurement Handbook.

Patch Installation

All SDM patches are cumulative. Each patch is built on the previous one. In order to install patch N, patch N-1 must be installed first which also requires patch N-2 and so on. All SDM patches are applicable to all customers using the associated release unless explicitly indicated in the specific installation procedure provided with each patch.

Locate Product Documentation on the Customer Support Site

Access to Oracle Tekelec's Customer Support site is restricted to current Tekelec customers. This section describes how to log into Oracle 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 Oracle Customer Support site at http://docs.oracle.com
   NOTE: If you have not registered for this new site, click the Register link. Have your customer number available. The response time for registration requests is 24 to 48 hours.
2. Under Applications, click the link for **Communications**. The **Oracle Communications Documentation** window opens with Tekelec shown near the top. Click **Oracle Communications Documentation for Tekelec Products**.
3. Navigate to your Product and then the Release Number, and click the **View** link (the **Download** link will retrieve the entire documentation set).
4. To download a file to your location, right-click the PDF link and select **Save Target As**.

Resolved PRs in SDM Release 9.1

SDM Release 9.1.1 is a new manufacturing baseline release. It merges features, enhancements and fixes from previous releases including 7.x, 9.1 and 9.1.1. Resolved PRs lists PRs that are resolved in the following releases:

- SDM 9.1.1
- SDM 9.1
- SDM 7.x

Note: Resolved PRs are sorted in ascending order by severity and then by PR number.

For a description of the new features please see the Feature Notice, document 910-6694-001, in the main 9.1 documentation set.

Resolved PRs in the form of patches in build 9.1.3_10.3.0 for SDM 9.1

Patch	Bug	PR	Severity	Title	Customer Impact
1	19712937	None	2	HLR ignores CSI suppress in the OCPLMN template when it receives Restore Data	When a location update took place in the HLR some information from the OCPLMN template was ignored.
2	20507664	None	2	change Odb "RoamingOutsideHPLMNCountry" and "PacketServices" no ISD message	The issue is that the restriction wasn't working correctly and allowed roaming subscribers to access services to which they were not entitled. The network operator could not charge subscribers for those services.
3	20807656	None	3	removing PacketServices when ROHPlmn odb is provisioned does not generate ISD	This issue is associated with ODB (operator determined barring). Under certain conditions, when subscriber provisioned packet services were set and later removed an ISD was not sent. Because the ISD was not sent packet services were incorrectly restricted for the subscriber.
4	20933290	None	3	Wrong handling PRN and SIP 302 results in Providing Wrong Roaming Number	When the Sip Server received two invite requests simultaneously, it sometimes sent the incorrect MSRN to one request and dropped the other request.
	20931187	None	4	SWU:Rollback from 9.2.7 to 9.1.3 : a 15 mins delay happens after the DB restore	This has no impact as only affects the installation engineer.

Table 1: Resolved PRs in the form of patches in build 9.1.3_10.3.0 for SDM Release 9.1

Resolved PRs in build 9.1.3_10.3.0 for SDM 9.1

Bug	PR	Severity	Title	Customer Impact
19849282	None	3	Missing space in upgrade script"prepare_upgrade.sh"	Fixes for the 7.7 to 9.1 upgrade.

Table 2: Resolved PRs in build 9.1.3_10.03.0 for SDM Release 9.1

Resolved PRs in the form of patches in build 9.1.3_10.2.0 for SDM 9.1

Patch	Bug	PR	Severity	Title	Customer Impact
1	19117646	240148	3	DataObserver share pointer problems	There was memory corruption due to invalid GPRS context provisioning. This caused an HLR core dump. (Patch 4 in release 9.2.5).
	19117098	239710	3	HLR Coredump in observer	

Table 3: Resolved PRs in the form of patches in build 9.1.3_10.02.0 for SDM Release 9.1

Resolved PRs in build 9.1.3_10.2.0 in SDM 9.1

PR	CSR	Severity	Title	Customer Impact
232394	1018208	1-Critical	setvip doesn't send broadcase arp for the subnet GW 0.0.0.0 case	There was a bug In the SDM VIP failover code. This bug was only visible in specific customer configurations. There was no customer impact unless certain configurations existed at a customer site. **Note:** This PR is related to Patch 2 in build 9.1.2.
232038	-	2-Major	HSS does not handle diameter congestion on SCTP	There was congestion on the diameter stack. This resulted in the loss of a number of messages on the SCTP connection only. (
231737	1016528	2-Major	MMEs stored in table smserviceoption causing Lte-HSS failed to restart	On restart, the LTE-HSS may crash when the module option table which contains MME information, is not empty. **Note:** This PR is related to Patch 1 in build 9.1.2.

PR	CSR	Severity	Title	Customer Impact
230347	-	2-Major	HLR coredump in 6.3.3 found at customer blade 10 (in GPRS PDP context code)	This is a duplicate of PR231189.
231189	1014864	2-Major	Need to migrate 5.2.2p14 into latest 9.X	Core dumps in the provisioning interface caused the HLR to restart.
234712	-	5-Enhancement	Change logo on GUI screens from Tekelec to Oracle	Oracle rebranding. Change logo on GUI screens from Tekelec to Oracle.
234710	-	5-Enhancement	Change visible copyright notices from Tekelec to Oracle for rebranding	Oracle rebranding. Change visible copyright notices from Tekelec to Oracle.

Table 4: Resolved PRs in build 9.1.3 in SDM Release 9.1

Resolved PRs in the form of patches in build 9.1.2 for SDM 9.1

Patch	PR	CSR	Severity	Title	Customer Impact
1	231737	1016528	2-Major	MMEs stored in table smserviceoption causing Lte-HSS failed to restart	On restart, the LTE-HSS may crash when the module option table which contains MME information, is not empty.
2	232394	1018208	1-Critical	setvip doesn't send broadcase arp for the subnet GW 0.0.0.0 case	There was a bug In the SDM VIP failover code. This bug was only visible in specific customer configurations. There was no customer impact unless certain configurations existed at a customer site.

Table 5: Resolved PRs in the form of patches in build 9.1.2 for SDM Release 9.1

Resolved PRs in build 9.1.2 in SDM 9.1

PR	CSR	Severity	Title	Customer Impact
230856	1014202	1-Critical	Lte-HSS MAC failure due to wrongly generated authentication vector	Occasionally, when authentication requests are received concurrently, the LTE-HSS may generate incorrect authentication vectors. This causes authentication failure in the core LTE network. (229822) The generation of authentication vectors entails generating a random number. An error in the code prevented the LTE-HSS from using the 128 available bits. This decreased the overall security of the generated authentication vectors. (230002) **Note:** This PR is related to Patch 1 (PR229822 and PR230002).
228182	1010756	2-Major	M3UA not handling traffic M3UA LCM_CATEGORY_INTERFACE/LIT_EVENT_MSG_FAIL/LCM_CAUSE_UNKNOWN	There is an issue in the M3UA stack. It prevents the SDM replying to messages received. The SDM accepts traffic but does not send a reply. **Note:** This PR was delivered as a resolved PR in SDM 9.1.1.

Table 6: Resolved PRs in build 9.1.2 in SDM Release 9.1

Resolved PRs in the form of patches in SDM 9.1

Patch	PR	CSR	Severity	Title	Customer Impact
1	229822	1011872	1-Critical	Lte-HSS subscriber authentication problem	Occasionally an authentication failure occurred in the LTE-HSS. This affected service in the LTE-HSS.
	230002	1011872	2-Major	Milenage Random Number generation uses only 64 bits of RND 128 bits.Standalone ISD.	This issue affected the security of transactions in the SDM. It did not affect processing of messages. **Note:** Both of these PRs were delivered as resolved PRs in SDM Release 9.1.

Patch	PR	CSR	Severity	Title	Customer Impact
2	230856	1014202	1-Critical	Lte-HSS MAC failure due to wrongly generated authentication vector	Occasionally an authentication failure occurred in the LTE-HSS. This affected service in the LTE-HSS.
3	230856	1014202	1-Critical	Lte-HSS MAC failure due to wrongly generated authentication vector	Occasionally, when authentication requests are received concurrently, the LTE-HSS may generate incorrect authentication vectors. This causes authentication failure in the core LTE network. (229822)

The generation of authentication vectors entails generating a random number. An error in the code prevented the LTE-HSS from using the 128 available bits. This decreased the overall security of the generated authentication vectors. (230002)

Note: This PR is related to Patch 1 (PR229822 and PR230002). |

Table 7: Resolved PRs in the form of patches in SDM Release 9.1

Resolved PRs in SDM 9.1.1

PR	CSR	Severity	Component	Title
228385	1008114	1-Critical	HLR	Prov of the Call Baring BSG in the HLR causing leak and missing Standalone ISD.
228421		1-Critical	HLR	PRN in 6.3 sending/forwarding camel parameters causing rejection from VLR
228422		1-Critical	HLR	HLR sent camel information in Restore Data response that should not be sent
228570		1-Critical	HLR	DB tables missing after 7.7 to 9.1 upgrade following the GEO upgrade procedure at customer
207487	924634	2-Major	HLR	It is unable to change Pdpaddress with a defined value to a blank
221592		2-Major	System	WebCI:MNP: cannot add a Ported_Out number for a valid MSISDN via webCI
225283		2-Major	HSS	4G to 3G mobility: fields in voldata and sometimes CLR is not sent
225710		2-Major	System	Webci http exception when selecting "Search" in Event Log View Page
227318		2-Major	HLR	Provisioning a TS shall not be mandatory for CSD only calls.
227345	1005814	2-Major	HLR	M3UA memory allocation failure right after the TUCL Transmit queue congestion alarm
228057	1007244	2-Major	HLR	Need to generate an alarm when no more memory available in the SS7 Stack

PR	CSR	Severity	Component	Title
228182	1010756	2-Major	HLR	M3UA not handling traffic M3UA LCM_CATEGORY_INTERFACE/LIT_EVENT_MSG_FAIL/LCM_CAUSE_UNKNOWN
228565		2-Major	HLR	USSD: access code greater than 255 is wrongly decoded by HLR
228920		2-Major	HSS	Move the global config tables from bluelte_1 to bluedbg
229543		2-Major	Platform	RAID disk-array not use after reinstalling blue and or special upgrade path
230185	1012654	2-Major	HLR	HA event leads to HLR core dump in TCAP, that leads to SDM respond improperly
222612	991860	3-Minor	AAA	Accounting start/stop does not work if AAAusername not in Db
226475	1003544	3-Minor	HLR	Pressing "Compute Template Change" outputs nodes that are not affected
227911		3-Minor	HLR	TCAP cleanup tool should cleanup TCAP transactions older than 11 minutes, not 60 seconds
228601		3-Minor	HLR	CFU with ODB RegistrationInternatFtn
228025		5-Enhancement	HSS	3G 4G Roaming Support for LTE-HSS
229149		5-Enhancement	Platform	HSS subscriber profile WebCI provisioning display remediation

Table 8: Resolved PRs in SDM Release 9.1.1

Resolved PRs in SDM 9.1

PR	CSR	Severity	Component	Title
223013		1-Critical	HLR	Enhance SCCP routing function feature - problem with ANSI format 2 message
223015		1-Critical	HLR	Missing Map Policy Application Context for SRI-LCS
223202		1-Critical	HLR	SQN parameter wrongly updated in the DB (3G)
223372	995680	1-Critical	HLR	Hlr Assert fail related to shared_ptr in HlrCsiBase
223453		1-Critical	Platform	VlrMessageNotification is not updated dynamically in the HLR
223644		1-Critical	HLR	VlrMessageNotification Feature does not record the UL message
223723		1-Critical	HLR	doResourceStateChange is sent by SRP to new master HLR before "doActivate - BEGIN"
226451		1-Critical	HLR	HLR core generated when EnhancedControlOfSccpRouting is Activated
228570		1-Critical	HLR	DB tables missing after 7.7 to 9.1 upgrade following the GEO upgrade procedure
229822	1011872	1-Critical	HSS	Lte-HSS subscriber authentication problem
219791	986088	2-Major	HLR	Core dump due to Bucket 4 leak
220775		2-Major	HLR	on ULGPRS Hlr reply with invalid value roamingNotAllowedCause=-1
226030		2-Major	HSS	Auto_Enrollment flag is cleared on profile update, when auto-enrollment enhancement is disabled

PR	CSR	Severity	Component	Title
223179		2-Major	HLR	MAP Policing: HLR selects wrong AC Template Id when more than one ACTemplateMapping are provisioned
223277		2-Major	Platform	Integrate hpoc-diameter 1.16.2-3 diameter stack.
223280		2-Major	HSS	LTE HSS does not answer to S6 Messages after a period of time.
223302		2-Major	HSS	LTE HSS: 3GPP charging characteristic is not encoded properly
223357		2-Major	Platform	Tungsten configuration not clean-up when moving slotid assignation
223669	995638	2-Major	System	Roaming control template is not displayed correctly in webci
223822		2-Major	Documentation	RM and UG needs to be updated
224005		2-Major	HLR	Service Screening Template: possibility of removing the check of RRDUF
224358		2-Major	HLR	Negative case in the VLR Msg Notification causing hlr coredump (share pointer failure)
224650		2-Major	HSS	mySQL: tables defined without a primary key may cause issues with 3rd party tools
224711	997796	2-Major	HLR	Cancel GPRS Location not sent
225808		2-Major	HLR	HLR won't be started after 9.1 drop 1 to drop 2 upgrade on the 1st blade
226028	1002408	2-Major	HSS	change of PDN name from peer GEO site failed to load in memory by LTEHSS
226464	1003558	2-Major	HSS	In case of 3Gps to 4G roaming default realm in CLR origin host/realm AVP instead of per imsi based realm.
226609		2-Major	HLR	Call reference number not shown in PRN message if MTRR is activated and present in SRI message
226698		2-Major	HLR	HLR do not return proper HLR number when ApplCtxt is not supported
226854		2-Major	Platform	hpoc and associated license are lost after a 9.1 to 9.1 upgrade
227073		2-Major	Platform	Bond interface takes 3 seconds to switch back to preferred interface
227345	1005814	2-Major	HLR	M3UA memory allocation failure right after the TUCL Transmit queue congestion alarm
229651	1011462	2-Major	HLR	Fail to add a PLMN into an OCPLMN template
230002	1011872	2-Major	Platform	Milenage Random Number generation uses only 64 bits of RND 128 bits.
208056		3-Minor	Platform	Misleading DataCheck report for Local site.
222169	989596	3-Minor	Documentation	The InterfaceModuleId should be 25 instead of 27 after upgrade to 7.7.1
222515	986512	3-Minor	HLR	HLR transaction leakage when GMSC does not reply to USSD Notify
222623	988598	3-Minor	HLR	Problem in activating DirectCallForwardRegistration parameter
222762		3-Minor	HLR	Leak on nwiussdreq simulator command
223822		3-Minor	Documentation	RM and UG needs to be updated
224404		3-Minor	HLR	Please stop logging "subscriber disabled" in current.xml
226475	1003544	3-Minor	HLR	Pressing "Compute Template Change" outputs nodes that are not affected
226857	1004280 1009864	3-Minor	Tools	Cannot add Allowed IMSI to a PLMN in webci (ok for bluecli)
221558		5-Enhancement	HLR	Enhanced SCCP Allowed PLMN

PR	CSR	Severity	Component	Title
222415		5-Enhancement	HLR	Mobile-Terminated Roaming Retry Enhancement
222416		5-Enhancement	HLR	SLh Interface Support for Location Services
222417		5-Enhancement	HLR	Logging Mechanism for LTE-HSS
222591		5-Enhancement	HSS	Multiple realm support for LTE-HSS

Table 9: Resolved PRs in SDM Release 9.1

Resolved PRs in SDM 7.7

PR	CSR	Severity	Component	Title
197883		1-Critical	HLR	Hlr failed to update the subscriber volatile data at the first system registration
201145		1-Critical	HLR	Problem on GPRS attach after handover.
204703	914144	1-Critical	AAA	AAA VIP not getting transferred from one blade to other in case of failover
206647		1-Critical	HLR	AlerSC message was sent w/o Calling address
207219	924622	1-Critical	HLR	USSD core due to invalid DB response
208021		1-Critical	HLR	Authentication failure when receiving SAI with re-synchronization request from VLR
208084	926306	1-Critical	HLR	HLR service crashed when receiving SIP invite
208257		1-Critical	HLR	Lot of resources were lost on front-end nodes, after back-end node was enabled.
208289		1-Critical	Platform	Simultaneous crash of all Hlr services on all front-end blades.
208737	928610 928572	1-Critical	HLR	Blades crashed/restarted in customer with Patch level 35
208904	926834 921994	1-Critical	HLR	Trillium stack enters a bad state (unexpected dialog ID reset)
209521	930568	1-Critical	HLR	No HLR GT in SCCP Calling party in ISD
209667		1-Critical	Platform	Need a patch in 5.2.3 to have a flag to de-activate Cdata support in SOAP
210219	932748	1-Critical	HLR	HLR transaction seems to high
210341		1-Critical	HLR	Cannot add Subscriber profile to a subscriber when HLR service is configured to work with T1 (ANSI).
211445	939258	1-Critical	HLR	HLR leak linked to provisioning
212002	941256	1-Critical	HLR	HLR doesn't relay map error 34 in case of USSD transaction
212174	939258	1-Critical	HLR	HLR leak linked to provisioning
213980	954874	1-Critical	HLR	HLR doesn't send camel data in case of restoreData message from the VLR'
216410	962018	1-Critical	Platform	Hlr Failover
216900		1-Critical	HLR	Add all TS/BS to the Service Screening Template

PR	CSR	Severity	Component	Title
217316	967088	1-Critical	HLR	AbnormalTerminationSignalHandlerM dumps on 6.3.3.1
218858		1-Critical	Documentation	VLR Messages login capability
218990	982392	1-Critical	Platform	HLRs down / Not all core generated when having several crashes in a raw
219205	970918	1-Critical	Platform	It is impossible to create a PersistentOS user on a shelf that has service nodes blades (delivery timeout)
219504	985518	1-Critical	HLR	PDP context not present in Stand Alone ISD when Camel data provisioned at the same time as PDP
219508		1-Critical	HLR	IMSI number included in ISD message during GPRS UL
219926	970022	1-Critical	HLR	Empty ISD: Encoding problem
220955		1-Critical	HLR	ISD message sent to VLR in XUDT
221616		1-Critical	HLR	HLR does not send CancelLoc when receiving 403 error message
221820		1-Critical	HLR	Simswap() operation does not work properly
221821		1-Critical	Platform	Webci does not display correct information at SimSwap operation
222135		1-Critical	HLR	Invalid Stream ID (0) was sent on SCTP which caused STP to reject the message
223013		1-Critical	HLR	Enhance SCCP routing function feature - problem with ANSI format 2 message
223015		1-Critical	HLR	Missing Map Policy Application Context for SRI-LCS
223202		1-Critical	HLR	SQN parameter wrongly updated in the DB (3G)
223372	995680	1-Critical	HLR	Hlr Assert fail related to shared_ptr in HlrCsiBase
223453		1-Critical	Platform	VlrMessageNotification is not updated dynamically in the HLR
192676	786462	2-Major	HLR	HLR is sending continuous AlertServiceCenter messages
193662		2-Major	HLR	delete PLMN all allowed IMSI deleted in the assigned OCPLMN template
201832		2-Major	HLR	HLR sends empty DSD when removing GPRS context
204952		2-Major	Documentation	We need the way to load data to the memory on active blade automatically.
205312	920342 926026	2-Major	HLR	Segmentation fault core - due to memory allocation failure
205312	920342 926026	2-Major	SIP	Segmentation fault core - due to memory allocation failure
205312	920342 926026	2-Major	Platform	Segmentation fault core - due to memory allocation failure
205546		2-Major	HLR	Assert fail core in hlrprov found at
206751		2-Major	HLR	Ftn is missing in SRI with camel (not supported version)+Ftn (absent subs)
208548		2-Major	Platform	Creating a directory under /blue/var/trace causes complete blade failure
208658	926996	2-Major	HLR	TCAP leak when the HLR receives a UDTS (TCAP cont.) after sending the SAI Ack with the authent. vectors
209261		2-Major	Platform	Geo-red link with redundant IP addresses
210370		2-Major	Platform	At installation, only the first SC is configured to take SelfReliant manager role
210487		2-Major	Platform	Bring replica Geo site up while traffic may cause SWO on reference site

PR	CSR	Severity	Component	Title
211072		2-Major	Platform	Tungsten can not be started up by monit on vmblades
211534	1007772	2-Major	HLR	SipTasGt: modifying Prefix non-NULL to NULL is keeping old entry
211659		2-Major	HLR	UMTS XOR authentication algorithm does not supported
211678		2-Major	Platform	tungsten socket exceptions generated after DB SWO and system running more than 7 days
213678	942926	2-Major	HLR	All HLR Services are down.
214708	950252	2-Major	HLR	Wrong IMSI select when sending USSD to HLR
215006		2-Major	HLR	increase the size of column ServiceScreenTemplateName in 6.3.3 and upgrade script 5.2.3 to 6.3.2
215857	962492	2-Major	HLR	GPRS UL failure due to all TS not supported by SGSN and no BS provisioned
215857	962492	2-Major	Documentation	GPRS UL failure due to all TS not supported by SGSN and no BS provisioned
216067		2-Major	Platform	Backout fails on BL460cG6 TPD5.0->TPD4.2
216362	964416	2-Major	Platform	Directory /blue/home and .bash_profile file are missing
216949		2-Major	Platform	Patching mechanism feature
217016		2-Major	HLR	Hlr/HlrProv cores on stop if MTP3PacketCapture tool is running with no activated Capturing
217095		2-Major	HLR	SwapSim() does not send a de-register message in SIP environment.
217114	986412	2-Major	Platform	Data Provider Controller core dump
217260	965194	2-Major	HLR	Apache Java Error while create roaming controls
218082		2-Major	Platform	Request Logs Improvement
218490	968254	2-Major	Documentation	WebCi.out log need to be rotated
218842		2-Major	Documentation	XML notification for CancelLocation message
219082		2-Major	HLR	Empty ISD during GPRS UL
219153		2-Major	Platform	Bluesnmpd conflict with TPD snmpd process
219313		2-Major	HLR	Update Service Request:969848 - Reachable option becomes unset after SIM-Swap
219414		2-Major	HLR	Volatile data is not updated when doing SimSwap () operation
219538		2-Major	HLR	MAP_Reset sent by HLR for a SGSN node has SCCP address SSN filled with 7 (VLR)
219650	985644	2-Major	HLR	HLR over load alarms MAD HLR 12/09
219707		2-Major	Platform	Error: Reached maximum number of simultaneous sessions allowed (256)
219791	986088	2-Major	HLR	Core dump due to Bucket 4 leak
220658	986064	2-Major	HLR	ODB mask problem: Roaming Outside HPLMN COUNTRY parameter not working properly
220956		2-Major	HLR	Faulty CUG provisioned
220970		2-Major	HLR	Inconsistent DB occurred in the HLR system feature - USSD RT table - CAMEL table

PR	CSR	Severity	Component	Title
221064	989190	2-Major	SIP	Wrong MSRN on HLR 302 response (Call answered by another person)
221506		2-Major	Platform	Backup failed to restore
223410		2-Major	HSS	LTE HSS: HSS should not send CLR to MME if MME identities don't change
178157		3-Minor	Documentation	Remove 'AAAUsername' length limitation note in SC-RM and SP-RM
178696		3-Minor	Documentation	HLR overload control not described in the PD
179068		3-Minor	Documentation	Missing information RM-0031
179157		3-Minor	Documentation	Provisioning USSD Camel Subscription in UG does not reflect the new structure
193915		3-Minor	System	System ID is missing from WebCI after admin password change
195573		3-Minor	HLR	Typo in error msg "You are about to delete this= FtnSpecialNumbersentry, Continue?"
197224		3-Minor	HLR	rel7.0: Invalid MAP SAP SlotId causes traffic problem with multiple Hlr instances.
198130		3-Minor	Documentation	HLR behavior when MSISDN is ported out and sub profile not deleted
199764		3-Minor	HLR	SMS Relay : in bluecli old naming MtSmsRoutingTemplate[] should be RoutingTemplate[]
200029	841058	3-Minor	Documentation	NETWORK APPEARANCE working just with the default value
200169		3-Minor	Documentation	System's behaviors have been changed on latest 7.0.0 releases.
201436		3-Minor	System	No Error message to indicate Backup failed if Backup All Databases to unspecified/undefined directory
201655		3-Minor	System	WebCi does not allow to provision more than 5 digits for the bit rate in GprsContext
202003	906586	3-Minor	System	OCPLMN template name in the Webci shows blank for Template ID more than 1
202950		3-Minor	Documentation	CugInterLock value range is incorrectly validated in the HLR
204455		3-Minor	Documentation	Update multi-IMSI and multi-MSISDN description in SP-RM
205245	917274	3-Minor	HLR	Link utilization in full duplex should be max (link utilization Rx, link utilization Tx)
206065		3-Minor	Documentation	Chapter in UG to be removed from Documentation
209883		3-Minor	System	Core services should not be added or deleted individually from web interface.
209960		3-Minor	System	webCI: the HLR "Routing Controls" page is still titled "Sms Routing"
210064		3-Minor	HLR	Changing counter to count SAI OPEN_REQUEST to get correct TPS numbers for this message
210068		3-Minor	Documentation	SubscriptionGenericData accessed via CLI and XML
210210		3-Minor	Documentation	Add the unit for counter ID 50 (BandwidthBound0)
210663	934302	3-Minor	HLR	HLR doesn't relay MAP error 27 in case of USSD transaction
211083	931470	3-Minor	Platform	Shared memory pool used by SRP was exhausted
211803	908886	3-Minor	Documentation	HLR5.2 documentation updates required
212400	942564 945032	3-Minor	Platform	Alarm "Error cannot start replication" not properly cleared

PR	CSR	Severity	Component	Title
213167		3-Minor	Platform	Warning alarm on the percentage of disk space used for partition / raised after 8.0d2 upg
214215		3-Minor	System	Blue Build with BlueBuild is taking preceance over local library
214281		3-Minor	Documentation	Verify consistency of reference to Customer Care throughout SDM Customer Documentation
214646	941664	3-Minor	HLR	Maximum resource configuration limit is reached ALARM MAD_HLR
214808		3-Minor	Documentation	HLR alarms missing from SDM Alarm Dictionary
216088	962762	3-Minor	HLR	Camel Issue when VLR do not notify the Camel phase supported
216239		3-Minor	Documentation	Update Sub Profile entities diagrams in SP-RM
216364		3-Minor	Platform	Blue CPU watchdog should have a blacklist, not a whitelist
217096		3-Minor	SIP	Nonce value incremented
217260	965194	3-Minor	Documentation	Apache Java Error while create roaming controls
217502		3-Minor	Documentation	"can be configured to register or not on subsequent MAP Location Update." Has to be removed from all user document
219603		3-Minor	Platform	bluelog optimization for trace and pm
220173		3-Minor	Documentation	SDM documentation needs to remove references to active/active configurations
220301		3-Minor	HLR	Event Logging Feature - CL message has the wrong VLR/SGSN address
220369		3-Minor	HLR	Event Logging Feature - missing SourceGTT in the incomming messages
220713		3-Minor	HLR	Adding the missing ODBs to screening Template
220950	989024	3-Minor	Platform	bluelogs did not pick up proper logs
221285		3-Minor	System	RBT data can not be provisioned in webci (it works with CLI)
221530		3-Minor	HLR	faulty in the operation display SubID of the webci
221858	991408	3-Minor	HLR	getting alarms on the alarm GUI. Critical HLR is out of service.
173650		5-Enhancement	HLR	3GPP R6 HLR Location Service
194520		5-Enhancement	HLR	SS7/TDM on HP DL360
202670		5-Enhancement	Documentation	SS7 routing to capability PC
217313		5-Enhancement	Documentation	Possibility to use 2 default PLMN for the same OCPLMN template definition (OCPLMN_DATA) with 2 different applicable Node Type
219251		5-Enhancement	HLR	Database Export Tool is not available in releases above 5.2

Table 10: Resolved PRs in SDM Release 7.7

Customer Known PRs in SDM Release 9.1

SDM Release 9.1.x Known PRs.

Note: Known PRs are sorted in ascending order by severity and then by PR number.

SDM Release 9.1.x Customer Known PRs

PR	CSR	Severity	Component	Title	Customer impact
212107	986512 1004230	2-Major	HLR	Transaction Leak after unstructuredSS_Notify	
223506	995728	2-Major	HLR	Need to be able to screen out all existing TS/BS/SS/ODB in Roaming control tab	Subscriber cannot receive calls.
227358	1005632	2-Major	SIP	SIP register message get responded 404 after adding a new domain	Customer can make SIP register fail by adding domain.
227780		2-Major	AAA	incoming AAA messages from 2nd NAS are not handled after HSS has restarted	
228054		2-Major	AAA	Accounting Stop for a user with a static ip - acct session id is not removed	
228229		2-Major	Platform	Tungsten service is not stopped when service blue stop	
228842	1009028	2-Major	HLR	No error code returned for failed xml provisioning request	Provisioning is affected.
229025	1009844	2-Major	HLR	SAI indication counter doesn't reflect SAI transaction and doens't match SAI response	Current methodology for tracking SAI counter does not result in useful data
229091		2-Major	Platform	The compression between HLR and database is required to reduce network bandwidth usage.	
229403	1010870	2-Major	Platform	GEO redundancy took 2 hours to recover	with Geo connection not recovered timely, the DB of the PHX is not up-to-date and will have problem to take over traffic in case the SJC site is down.
230347		2-Major	HLR	HLR coredump in 6.3.3 found (in GPRS PDP context code)	
178418		3-Minor	Platform	Error Notifications naming change	Move to Resolved Defer to 7.1 agreed with customer support Andre Grenier.
197087		3-Minor	HLR	Create TUCLSap on non exisiting SlotId	None create a TuclSap on an unexisting slot will be accepted

PR	CSR	Severity	Component	Title	Customer impact
199752		3-Minor	HLR	Old naming MtSmsRedirectTemplate still shown on webci in error msg	Old naming MtSmsRedirectTemplate still shown on webci in error msg
200028		3-Minor	HLR	Network appeearence can not be changed on the fly	Network appeearence can not be changed on the fly
200103		3-Minor	HLR	SCCP User SAP was OOS after upgrade when supposed to be INS.	SCCP User SAP was OOS after upgrade when supposed to be INS.
200910		3-Minor	HLR	No alarm for Multi-Homing secondary link failures	When setting-up multi-homing No alarm when secondary links don't come up.
201147		3-Minor	HLR	SMS redirection: normalizatin should be done on proper HlrNumber	SMS redirection: normalizatin not done on proper HlrNumber
201372		3-Minor	HLR	SS7 M3UA IP validation should check that IP is not starting with a space	SS7 M3UA IP validation should check that IP is not starting with a space
202444		3-Minor	HLR	Unknown alarm for SCTP: ERROR (No translation found in ss7AlarmInfo for Layer=M3UA, Type=event, Id=0) LCM_CAUSE_UNKNOWN [0]	Unknown alarm for SCTP: ERROR (No translation found in ss7AlarmInfo for Layer=M3UA, Type=event, Id=0) LCM_CAUSE_UNKNOWN [0]
208517		3-Minor	HLR	Attributes display sequence in SipTasGt has been modifyed	None. Attributes display sequence of SipTasGt has been modifyed
217395		3-Minor	Platform	Tungsten logs shall be included in bluelogs.sh	
218840	963146	3-Minor	Platform	Do not raise voltage alarm for 2 of the 3 AMC threshold	Most of the customers see that alarm, open a CSR, and we tell them to ignore the alarm.
221743		3-Minor	HLR	SS7: Warning alarm "Remote end processor outage" is not automatically cleared	
222299		3-Minor	SIP	SIP-UA: cannot display SIP UA registration bindings directly in Subscriber_Provisioning	
222364	992886	3-Minor	HLR	Mobile initiated USSD req. Error not forwarded properly	Error sent by HLR is wrong. Customer did NOT complain about those issue.HLR stability is NOT at risk (no ressource leakage or else). Priority should be very low.
224093	988880	3-Minor	HLR	HLR transaction leak when master HLR receives Segfault	When having a core dump (that historically happened a lot at Numerex), we loose half the HLR transactions available on the HLR that will become master HLR. Higher risk of overload.
224183		3-Minor	HLR	Coredump in HLR process	Traffic over rated limits causing coredump
224185		3-Minor	Platform	Coredump in DataAccessServer process	Traffic over rated limits causing coredump

PR	CSR	Severity	Component	Title	Customer impact
224254		3-Minor	HLR	Coredump in HLR process RAController::failing	Traffic over rated limits causing coredump
225063		3-Minor	System	Display UA reg binding button in sub profile do not work fine	
225636	999822	3-Minor	HLR	ISD or DSD not sent when changing ActionOnUnsCamelPh from and to "Standard" / "ODB-BAOC"	No known customer field impact.
227407	1003622	3-Minor	HLR	Roaming Control	
227458		3-Minor	HLR	we should not process SMS Relay ATI since no SMS template assigned to sub	
227659	1006586	3-Minor	HLR	HLR coredump at ETC NL - Shutdown HlrRouting::getHlrNumber	
228258		3-Minor	SIP	attribute UserRangePrefix in NpAorUserRangePrefix is truncated after 8 characters	
228370		3-Minor	AAA	failed-timeout calls are sometimes observed in AAA traffic (with a session timeout configuration)	
228661		3-Minor	HLR	ODB=RegistrationAnyInterzonalFtn and RegistrationInterzonalFtnExceptHplmn not validating EURO zones 3 and 4	
229549		3-Minor	SIP	HLR returns error 500 when "PreferredRoutingNetworkDomain" set to SIP	
229629		3-Minor	HLR	USSD: Service codes with leading "0's" are not considered as "strings"	

Table 11: Customer Known PRs in SDMRelease 9.1.x