

# **Oracle® Communications Services Gatekeeper**

Release Notes

Release 4.1.1

November 2009

**ORACLE®**

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# New Features

Welcome to Oracle Communications Services Gatekeeper™ 4.1.1 As the leading Telecom Service Access Gateway, Services Gatekeeper integrates telecom network technologies with SOAP Web Services, RESTful Web Services and SOA to provide a reliable framework for developing and deploying highly available, scalable, and secure telecommunications applications and features. Services Gatekeeper's seamless integration of disparate, heterogeneous platforms and applications enables your network to leverage existing software investments and share the carrier-class services and data that are crucial to building next-generation telecommunication applications.

This chapter describes at a high level what new features in Services Gatekeeper have been created to support the ongoing evolution of the platform.

## Updated Security

The following security enhancements were added:

- BugDB Enhancement ID 8334713

It is now possible to create a password validation provider to provide password rules for use with the Services Gatekeeper default authentication provider.

For more information, see “Add a Custom Password Validator” in “Completing Post-Installation” in *Oracle Communications Services Gatekeeper Installation Guide*.

- BugDB Enhancement ID 8345341

Passwords are now displayed as a string of asterisks in the Administration Console when management users change passwords. Previously, both old and new passwords were displayed in plain text.

- BugDB Enhancement ID 8508260

When management users change passwords in the Administration Console, Services Gatekeeper now validates and requires that the new password is different from the old password.

## Updated Communication Services

### Parlay X 2.1 Short Messaging/SMPP and Extended Web Services Binary SMS/SMPP

The following enhancements were added:

- Attributes have been added to allow individual default settings for Esme TON and Esme NPI for both originating and destination addresses.
- A new MBean operation, **modifySmsNotification**, has been added to allow modifications of online notifications.

- BugDB Enhancement ID 8359010

All segments of concatenated SMS messages sent using **submit\_sm** are now routed to the same plug-in instance and to the same SMSC instance. This reduces the chance that SMS message segments will arrive out of sequence and thus delay the message.

- BugDB Enhancement ID 8366646

All SMS messages directed to the same phone number that are sent from the same application within a short period of time are now routed to the same plug-in instance and SMSC instance. This reduces the chance that SMS messages will arrive out of sequence and thus delayed.

- BugDB Enhancement ID 8371224

RESTful API are now provided for binary SMS messages.

- BugDB Enhancement ID 8470056

The **criteria** parameter in the **enableReceiveSms** operation can now include regular expressions.

- BugDB Enhancement ID 8663264

Currently, the **BindType** attribute allows two bind types:

- **0: Transmitter and Receiver**
- **1: Transceiver.**

Two new bind types have been added to support binding to the SMSC in only Transmitter or only Receiver mode:

- **2: Transmitter**
- **3: Receiver**

- The criterion for routing MO messages can now be filtered based on multiple words in the message content. By default, the criterion is filtered based on only the first word in the message content, according to the Parlay X specification. To use multiple words for filtering, use the **SmsMBean setMaxKeywordlimit** operation for the SMPP plug-in. This operation sets the **maxkeywordlimit** attribute to the number of words you specify. For example, if you set **maxkeywordlimit** to **5**, the criterion is filtered based on the first five words in the MO message content.

## Parlay X 2.1 Multimedia Messaging Communication Service

The following enhancements were added:

- BugDB Enhancement ID 8536481

Mobile originating MMS CDRs now contain the **originatingParty** and **destinationParty** address fields. This makes it easier for service providers to identify the party that should be charged for the service.

## Native SMPP

The following enhancements were added:

- BugDB Enhancement ID 8485628

Network-triggered messages that arrive from the network to an NT server that does not have an active bind to the targeted application can be routed, using JMS, to the application if another NT server does have an active bind. A new attribute, **OfflineMO**, in the **SmppConnectorMBean** MBean must be set to **true** for this feature to function.

- BugDB Enhancement ID 8667399

More information about SMPP requests will be logged in the log file when the logging priority is set to **DEBUG**.

## Platform Test Environment Updates

The following enhancements were added:

- BugDB Enhancement IDs 8810440 and 8810452

The Platform Test Environment location simulator has been more tightly integrated with the network simulator. Network simulator responses now return the actual location of a device based on where the device is placed in the Platform Test Environment Simulator Map panel. This enables accurate periodic and geographic notifications. Previously, the network simulator returned a static device location.

- BugDB Enhancement ID 8810461

The location simulator now constrains how often geographical notifications are sent based on the frequency specified in the **frequency** attribute of the location request.

- BugDB Enhancement ID 8810473

You can now use a customized map in the Platform Test Environment Simulator by clicking the new **Customize** button in the Platform Test Environment Map panel.

## New Error Codes

The following enhancements were added:

- BugDB Enhancement ID 8318481

There are new error codes for SLA violations. Previously, the same error message and code were returned when the request limit was exceeded for either a Global Node SLA or a Service Provider SLA. Now there are separate error codes and messages for each of these SLAs.

## Supported Interfaces

Services Gatekeeper 4.1.1 supports the same interfaces as version 4.1.



## Supported Configurations

MySQL 5.1 is now supported. Other supported configurations have not changed since Oracle Communications Services Gatekeeper 4.0. For a complete listing, see the [Supported Configurations](#) chapter in the *Installation Guide*.

## New Features

# Backwards Compatibility

This section covers backwards compatibility between Oracle Communication Services Gateway 4.1 and 4.1.1. The following areas are discussed:

- [Platform Upgrades](#)
- [Management Operations](#)
- [Database](#)
- [Service Level Agreements](#)

## Platform Upgrades

Upgrades from Services Gatekeeper 4.0/4.1 to 4.1.1 are supported. The upgrade process can be managed using the rolling upgrade mechanism unless your installation uses SIP, Native SMPP, or the RESTful facade, in which case a restart is necessary. Scripts and tools to facilitate upgrade and migration of data are provided.

## Management Operations

Between 4.0 and 4.1 some account management operations were changed to accommodate the new SLA Types. Older methods continue to work, but are deprecated. Some plugin routing operations have changed to accommodate the new tier routing mechanism. Full documentation is available in *Managing Accounts and SLAs and Integration Guidelines for Partner Relationship Management*, separate documents in this set.

If you are upgrading from 4.1 to 4.11, there are no changes.

## Database

Database schemas were changed between 4.0 and 4.1. If you are upgrading from 4.0 to 4.1.1 you will need to run the supplied data migration scripts. There are no schema changes between 4.1 and 4.1.1.

## Service Level Agreements

Between 4.0 and 4.1, the Service Level Agreement mechanism was expanded. Old SLAs will continue to work, but will not be synchronized across geographically remote sites regardless of the setting of the <enforceAcrossSites> tag, which has been deprecated.

**Note:** These changes only affect those upgrading from 4.0 to 4.1.1. There are no SLA changes between 4.1 and 4.1.1.

As a result of these changes, there are several account management operations that have been changed, and earlier operations have been deprecated, both at the console (MBean) level and at the PRM Operator Service level. The deprecated operations in the console include:

- loadApplicationGroupSla
- loadApplicationGroupFromUrl
- retrieveApplicationGroupSla
- loadServiceProviderGroupSla
- loadServiceProviderGroupSlaFromUrl
- retrieveServiceProviderGroupSla
- loadGlobalNodeSla
- retrieveGlobalNodeSla
- loadServiceProviderGroupNodeSla
- loadServiceProviderGroupNodeSlaFromUrl
- retrieveServiceProviderGroupNodeSla
- loadSubscriberSla

- loadSubscriberSlaFromUrl
- retrieveSubscriberSLA

For more information on these changes, see “Managing SLAs” in *Managing Accounts and SLAs*, a separate document in this set.

The deprecated operations in the Operator Service interface of the PRM include:

- createAppGroup
- updateAppGroup
- createSpGroup
- updateSpGroup
- For more information on these changes, see “Operator Service” in *Integration Guidelines for Partner Relationship Management*, a separate document in this set.

## Backwards Compatibility

# Services Gatekeeper 4.1.1 Known and Resolved Issues

## Resolved Issues in Services Gatekeeper 4.1.1

Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
CR384334/8178928	<p>If you stop one AT server and one NT server in a multi-cluster domain and then restart only the AT server, application-initiated requests sent to that server may result in the following error with the message: “Failed to invoke end component &lt;component name&gt;”. In the reverse case, network-triggered requests may fail.</p> <p>Dependent on Oracle WebLogic Server CR384639.</p> <p>Make sure you start both servers.</p> <p>Contact Oracle support for a patch on this issue.</p>	4.1	4.1.1
CR384771/8177020	<p>If the credit control interceptor fails to connect to the Diameter server, the <code>isConnected</code> attribute will show the incorrect state.</p> <p>Run traffic to check whether the interceptor is connected.</p>	4.1	4.1.1

## Services Gatekeeper 4.1.1 Known and Resolved Issues

Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
CR384822/8180622	<p>The Parlay X 2.1 Short Messaging/SMPP plug-in does not support in-production upgrade after upgrading from 4.0.</p> <p>Before you do a rolling upgrade to the servers, undeploy the EAR file for this communication service. After all upgrades are complete, redeploy the EAR.</p> <p>This does not affect fresh installations of 4.1.</p> <p><b>Note:</b> A mandatory patch will be released to correct this error. Please contact your Oracle service representative about acquiring this patch when it comes out.</p>	4.1	4.1.1
CR384759/8179114	<p>Due to an error in the data migration scripts, old SP SLAs are not changed.</p> <p>Necessary script updates can be found in <a href="#">“Upgrading Oracle Communications Services Gatekeeper”</a> in <i>Installation Guide</i>, a separate document in this set.</p>	4.1	4.1.1
CR371114/8178772	<p>PRM service provider users and operator users cannot be given access to a restricted set of JMX interfaces exposed by Oracle Communications Services Gatekeeper.</p> <p>Dependent on Oracle WebLogic Server CR382906.</p>	4.1	4.1.1



Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
CR380863/8177189	<p>The SOAP to SOAP generation does not support all WSDLs.</p> <p>The WSDL defining the application-facing interface must adhere to the following:</p> <ul style="list-style-type: none"> <li>• Attribute name in &lt;wsdl:service&gt; must include the suffix Service.</li> <li>• Attribute name in &lt;wsdl:port&gt; must be the same as the name attribute in &lt;wsdl:service&gt;, excluding the suffix Service.</li> </ul> <p>Dependent on Oracle WebLogic Server CR384278.</p>	4.1	4.1.1
CR38279/08190205	<p>The Native SMPP communication service does not actively disconnect applications if the SMSC connection is down.</p> <p>The communication service sends an OK response to enquire link requests in this case.</p>	4.1	4.1.1
CR384696/817978	<p>When Services Gatekeeper is first used, the database is initialized. If two NT servers are started up at the same time, they may both try to initialize the database, causing a Service Deployment Exception and one server failing to start up.</p> <p>Make sure the servers are started one at a time.</p> <p>Restart the failed server.</p>	4.1	In Docs and Closed
CR384729/8179086	<p>Some Diameter requests may be dropped during patching, redeployment, or upgrade of the CDR to Diameter module.</p> <p>Check the database for the time period during which the transition took place. All CDRs are stored in the database.</p>	4.1	In Docs and Closed

## Services Gatekeeper 4.1.1 Known and Resolved Issues

Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
CR384818/8179532	<p>The Native SMPP Communication Service does not support hitless upgrades. Upgrades cannot be performed without traffic service interruption.</p> <p>Perform a rolling upgrade instead.</p>	4.1	In Docs and Closed
CR384839/8176519	<p>The Plug-in Manager reports that plugin_sms_smpp state is connected even when it is not.</p> <p>Use the ActiveStatus attribute of the SMPP MBean to check connection status.</p>	4.1	In Docs and Closed
CR384863/8180510	<p>When running the Legacy SMPP communication service, you may receive the following exception from your NT servers.</p> <pre>ERROR com.bea.wlcp.wlmg.legacy.smpp.connector.SmppChannelProcessor - Could not find request for received response</pre> <p>This exception can be ignored.</p>	4.1	In Docs and Closed
CR384497/8179819	<p>Due to incompatible class changes to the stored blob data, old application data (notifications, etc.) in SIP call notification and presence plug-ins will NOT be usable after the upgrade. Exceptions will be thrown during the upgrade when the old application data is accessed.</p> <p>Contact Oracle support for migration scripts.</p>	4.1	In Docs and Closed
8178733	<p>The client cannot receive a delivery report that comes through a plug-in different from the one that sent the original request.</p>	4.1	4.1.1
8213175	<p>Services Gatekeeper does not detect when an application abnormally terminates, and therefore does not unbind the RX connection toward the SMSC.</p>	4.1	4.1.1

Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
8218175	Propagating the message ID in the <b>short_message</b> parameter of the <b>deliver_sm</b> operation is not supported for delivery receipts.	4.1	4.1.1
8221105	The sequence number and message ID are not included in SMS EDRs.	4.1	4.1.1
8221308	Support for windowing between Services Gatekeeper and the SMSC is not present.	4.1	4.1.1
8228176	Parlay X SMS does not function correctly because the SMPP plug-in does not send the enquire link to the SMSC.	4.1	4.1.1
8238745	The Parlay X 2.1 SMPP plug-in does not send a delivery report to the application if the message ID format in <b>submitSm_response</b> is different from the format in the delivery receipt (for example, hex format in one and decimal format in the other).	4.1	4.1.1
8242983	Applications are able to bind connections using connection types (for example, TX) that do not match the legacy plug-in connection type (for example, RX).  A new attribute, LooseBinding, has been added to control binds. For more information, see “Managing and Configuring Native SMPP Communication Services” in <i>System Administrator’s Guide</i> .	4.1	4.1.1
8262667	When multiple applications bind and unbind simultaneously, Services Gatekeeper opens more than the configured SMPP connection toward the SMSC.	4.1	4.1.1
8278405	Due to message IDs being case sensitive in the Oracle database, there are delivery report issues after applying bug patch 8238745.  Message IDs are now converted to lowercase.	4.1	4.1.1

## Services Gatekeeper 4.1.1 Known and Resolved Issues

Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
8282793	If two application instances using same credentials bind to Services Gatekeeper and then one application unbinds, Services Gatekeeper closes all connections toward the SMSC, causing the other application to fail.	4.1	4.1.1
8300328	For terminal location calls, Services Gatekeeper sends a location-end notification to the application based on the call-duration parameter instead of the start and end time parameters, causing calls to be terminated at the wrong time.	4.1	4.1.1
8304266	The data types that Services Gatekeeper uses for the HOR_ACC and ALT_ACC elements of the Mobile Location Protocol (MLP) do not comply with the MLP standard.	4.1	4.1.1
8310118	Services Gatekeeper does not route delivery responses back to the SMSC.	4.1	4.1.1
8334599	The Parlay X 2.1 Presence/SIP communication service does not support the OMA Presence attribute, <b>overriding-willingness</b> .	4.1	4.1.1
8338654	If the operation <b>removeServiceProviderAccount</b> is executed for a non-existent account, the Administration Console reports that the operation was successful instead of returning an error.  An exception is returned if the account does not exist.	4.1	4.1.1
8338791	The Administration Console allows management users to be added to a non-existent management user group without producing an error.  An exception is returned if the management user group does not exist.	4.1	4.1.1

Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
8351704	The Parlay X 2.1 Presence/SIP communication service does not handle the P-Asserted-Identity header in the SIP subscribe message sent to the Presence server.	4.1	4.1.1
8351729	The Services Gatekeeper Parlay X 2.1 <b>PresenceConsumer</b> interface does not support the <b>Expire</b> parameter.	4.1	4.1.1
8351750	Services Gatekeeper does not support the TEL and SIP address schemes.	4.1	4.1.1
8351776	Services Gatekeeper does not support additional parameters in the SIP request URI. Additional parameters are now supported. However, if subscription data is stored with the SIP URI, that data must be included when retrieving presence for the URI.	4.1	4.1.1
8403760	Workshop controls do not work correctly in session-based installations.	4.1	4.1.1
8411631	Services Gatekeeper does not handle empty SIP notifications sent from the Presence server.	4.1	4.1.1
8424018	Services Gatekeeper does not support the SMPP <b>cancel_sm</b> operation if the message ID is not provided.	4.1	4.1.1
8427533	Services Gatekeeper does not validate the input data for the <b>startSmsNotification</b> operation for the Parlay X SMS service.	4.1	4.1.1
8427560	The Administration Console will create management users even if the specified user type, level, or both are invalid.	4.1	4.1.1

## Services Gatekeeper 4.1.1 Known and Resolved Issues

Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
8440059	<p>Services Gatekeeper incorrectly handles remote exception that occurs during network tier node communication.</p> <p>Cluster communication has been improved to consider server overload issues when a node is overloaded or is out of memory.</p>	4.1	4.1.1
8441250	Extended short code service is required in Services Gatekeeper.	4.1	4.1.1
8442341	<p>If the operation <b>removeServiceProviderGroup</b> is executed for a non-existent service provider group, the Administration Console reports that the operation was successful instead of returning an error.</p> <p>An exception is returned if the service provider group does not exist.</p>	4.1	4.1.1
8442381	The Administration Console allows short-code mapping with erroneous input values when executing the <b>addShortCodeMapping</b> operation.	4.1	4.1.1
8442651	<p>If the operation <b>removeApplicationAccount</b> is executed for a non-existent account, the Administration Console reports that the operation was successful instead of returning an error.</p> <p>An exception is returned if the account does not exist.</p>	4.1	4.1.1
8445968	Newly created management users are not able to log in to the Administration Console in a cluster environment.	4.1	4.1.1

Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
8450028	When executing the <b>removeApplicationGroup</b> operation in the Administration Console, it is possible to remove an existing application or service provider group that still has applications associated with it.	4.1	4.1.1
8459220	Services Gatekeeper does not validate the time set in the Parlay X Terminal Location <b>StartGeographicalNotification</b> interface.	4.1	4.1.1
8490593	Services Gatekeeper cannot receive SMPP <b>submit_sm_resp</b> messages that have no body.	4.1	4.1.1
8501068	It is possible to get zombie connections in a legacy SMPP plug-in if only some of the connections are successful during the bind.	4.1	4.1.1
8505403	The Terminal Location communication service requires the time zone to be entered in the format yyyy-MM-ddThh:mm:ss[+ -]HHMM instead of the format yyyy-MM-ddThh:mm:ss[+ -]HH:MM	4.1	4.1.1
8508162	The SMPP <b>cancel_sm</b> , <b>query_sm</b> , and <b>replace_sm</b> operations do not work properly with an Oracle database because the database queries are case sensitive.	4.1	4.1.1
8514532	Problem with validating the start time and stop time in Terminal Location <b>startGeographicalNotification</b> requests.	4.1	4.1.1
8528867	Null values are being sent in the <b>start_time</b> parameter to the Gateway Mobile Location Center (GMLC) during load tests.	4.1	4.1.1
8529655	The global node SLA is incorrectly applied if there is no <b>reqLimitGuarantee</b> element present in the Service Provider SLA.	4.1	4.1.1

## Services Gatekeeper 4.1.1 Known and Resolved Issues

Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
8541747	The <b>StatusText</b> block is not included in the <b>Status</b> element in <b>DeliverRsp</b> and <b>DeliveryReportRsp</b> messages.	4.1	4.1.1
8544565	There are currently no originating and destination addresses for EDR and CDRs generated for mobile originating and MMS messages.	4.1	4.1.1
8549522	An exception is thrown when trying to generate an MIB file by using the generate-mib Ant task.	4.1	4.1.1
8560192	When executing the <b>addApplicationInstance</b> operation in the Administration Console, it is possible to create an application instance that has no instance name.	4.1	4.1.1
8564434	Services Gatekeeper does not validate the parameters for the <b>startMessageNotification</b> operation for Parlay X MMS.	4.1	4.1.1
8571184	When management users change passwords, Services Gatekeeper does not validate whether the new password is the same as the old password.	4.1	4.1.1
8583748	The SMPP <b>cancel_sm</b> operation fails when the service type is set to VMA, due to service types being case sensitive in the Oracle database.	4.1	4.1.1
8591223	Images arrive distorted when sending logos via SMS messages to mobile units.	4.1	4.1.1
8597325	Services Gatekeeper does not provide adequate validations while creating a Parlay X MMS plug-in instance.	4.1	4.1.1
8597487	When using the <b>sendSmsRingtone</b> operation, ring tones are not played at the mobile device.	4.1	4.1.1
8620556	The service name is missing from the mobile originating SMPP SMS CDR.	4.1	4.1.1



Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
8623940	When a <b>cancel_sm</b> message is invoked and the message has no ID, the message is not routed to the correct plug-in instance.	4.1	4.1.1
8652146	An incorrect SQL query for processing <b>cancel_sm</b> requests causes a severe load on the server.	4.1	4.1.1
8656707	The Logica SMPP API used in Services Gatekeeper incorrectly parses responses that are grouped in a single TCP package.	4.1	4.1.1
8657742	Incorrect CDR generation points for mobile originating messages in Legacy SMPP communication service.	4.1	4.1.1
8673335	The <b>cancel_sm_resp</b> operation deletes the message data, preventing the delivery receipt with the final status from being processed and delivered to the application.	4.1	4.1.1
8683468	Need to be able to set independent TON and NPI values per plug-in for source and destination addresses at bind time for Parlay X SMPP.	4.1	4.1.1
8688617	Cannot create a shortcode if using the RESTful interface,	4.1	4.1.1
8691696	The Parlay X 2.1 SMPP plug-in returns <b>NoMatchingOfflineNotificationException</b> for concatenated SMS messages due to incorrect criteria evaluation.	4.1	4.1.1
8726107	When using the PTE to send an MT SMS message using legacy SMPP, the PTE generates multiple CDRs for one transaction.	4.1	4.1.1
8736635	The PTE returns <b>DeliveryNotificationException</b> when both REST SMS and REST binary SMS clients are used at the same time.	4.1	4.1.1

## Services Gatekeeper 4.1.1 Known and Resolved Issues

Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
8741204	The Parlay X SMPP plug-in is not returning <b>DeliverSm</b> responses to the SMSC when the SMS messages are segmented.	4.1	4.1.1
8793066	No alarm is generated when an application tries to use an invalid log-in session.	4.1	4.1.1
8793081	More details are needed in alarms to assist with troubleshooting.  Additional details will be added to alarms where applicable, such as originating and destination addresses, sequence numbers, command status, and error descriptions.	4.1	4.1.1
8838061	Trace files do not include enough information to be able to debug and track failed messages and failed requests.	4.1	4.1.1
8848266	When a mobile originating request reaches a node that does not contain an application bind, Services Gatekeeper rejects the message with an exception. Too many such exceptions can cause a server to run out of memory and be shut down.	4.1	4.1.1

## Known Issues in Services Gatekeeper 4.1.1

Change Request Number/BugDB ID	Description and Workaround or Solution	Found In	Fixed In
CR384442/8176184	<p>On the first start-up after domain configuration, if two or more NT servers are started at the same time, the servers may throw an LDAP exception. An equivalent failure may occur on deploying applications.</p> <p>Restart the servers. If the problem persists, start one server first, and then the others</p> <p>Retry deploying the application. If the problem persists, redeploy the application when the servers are not running.</p>	4.1	
CR384688/8177934	<p>Before geo-redundancy is set up, you may sometimes get null pointer exception in geo-storage module. This is benign and may be ignored.</p>	4.1	
CR384693/8176518	<p>Setting <code>StatisticsServiceMbean::StoreInterval</code> to 0 can produce negative data in the <code>transactions</code> field of the <code>slee_statistics_data</code> table.</p> <p>Don't set <code>StoreInterval</code> to 0.</p>	4.1	
8707614	<p>Application does not receive empty (nothing in "short message field" or payload) network-triggered SMS.</p> <p>This only occurs in the case of an empty SMS.</p>	4.1.1	
8726273	<p>In an MMS that contains images and Chinese text, the content type of the text attachment is altered.</p> <p>Send text and images separately.</p>	4.1.1	

## Services Gatekeeper 4.1.1 Known and Resolved Issues

8799927	When the database is shut down, Services Gatekeeper can receive a submit_sm response OK message, but the application does not receive any submit_sm response message.	4.1.1
8830002	<p>There are two possible parameters in an SMS Delivery Receipt that can contain an ID from the SMSC. Services Gatekeeper correctly updates this value in one of the parameters with the message ID it has stored, so that the receipt and the original message can be correlated by the application. It does not currently update the other parameter.</p> <p>When possible, use the parameter that Services Gatekeeper currently updates (receipted_message_id) for correlation purposes.</p>	4.1.1
8661126	<p>Parlay X SendSMS cannot handle some escaped characters in the message if SMSCDefaultAlphabet is set to GSM_DEFAULT. An exception is thrown and the message cannot be processed.</p> <p>SendSMS works correctly using ISO8859_1.</p>	4.1.1
8601928	Statistics recorded by Parlay X network-triggered SMS do not include the TRANSACTION_TYPE_MESSAGING_RECEIVE count.	4.1.1
8829547	Services Gatekeeper does not support concatenating messages over 160 characters via the GSM UDH mechanism.	4.1.1
8664305	Application-initiated MMS sent via the Native MM7 facade fails if delivery notification is enabled.	4.1.1

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8823412	Services Gatekeeper does not return an appropriate error message to the application when the SMSC does not respond before timeout.	4.1.1
8838135	After the SMSC is shut down and restarted, Services Gatekeeper incorrectly sends unbind to the SMSC.	4.1.1

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## Services Gatekeeper 4.1.1 Known and Resolved Issues