

# Alaris SMS Platform

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## Release notes

version 3.7.0

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# 1 Enhancements

## General

- Sending emails through Microsoft using OAuth 2.0 has been enabled. In this regard, the *OAuth credentials* section of the *Outgoing email accounts* interface has been reworked. The user can now select *OAuth type* when filling in the server settings:

*Disabled* - do not use OAuth

*Google* - send emails through Google mail servers using OAuth 2.0

*Microsoft* - send emails through Microsoft mail servers using OAuth 2.0. When selected, the following fields must be filled in:

- *OAuth offline token*: the token obtained using the instructions below
- *Client ID, Client secret, Tenant ID*: details configured on the Microsoft side. The following article may be helpful when making the configurations: <https://learn.microsoft.com/en-us/exchange/client-developer/legacy-protocols/how-to-authenticate-an-imap-pop-smtp-application-by-using-oauth>.

The following steps must be completed to obtain an offline token:

1. Invoke the following link with the values substituted:

[https://login.microsoftonline.com/{TENANT\\_ID}/oauth2/v2.0/authorize?client\\_id={CLIENT\\_ID}&response\\_type=code&redirect\\_uri=http://localhost&scope=SMTP.Send\\_offline\\_access](https://login.microsoftonline.com/{TENANT_ID}/oauth2/v2.0/authorize?client_id={CLIENT_ID}&response_type=code&redirect_uri=http://localhost&scope=SMTP.Send_offline_access)

2. Login with the account credentials and allow the requested access.
3. Once redirected to localhost, copy the code. Below is an example of a link to which the redirection must be performed:

[http://localhost?  
code=AwABAAAAAvPM1KaPlrEqdFSBzjqfTGBCmLdGfSTLEMPGYuNHSUYBr&state=12345](http://localhost?code=AwABAAAAAvPM1KaPlrEqdFSBzjqfTGBCmLdGfSTLEMPGYuNHSUYBr&state=12345)

The code for this example is

AwABAAAAAvPM1KaPlrEqdFSBzjqfTGBCmLdGfSTLEMPGPYUuNHSUYBr.

4. Make a POST request to [https://login.microsoftonline.com/{TENANT\\_ID}/oauth2/v2.0/token](https://login.microsoftonline.com/{TENANT_ID}/oauth2/v2.0/token)

headers: Content-Type: x-www-form-urlencoded

the request body must contain:

client\_id - Client ID value

scope - SMTP.Send offline\_access

code - code received at step 3

redirect\_uri - <http://localhost>

grant\_type - authorization\_code

client\_secret - secret value from the settings

5. Copy the refresh\_token from the response, which should be used as *OAuth offline token*.

- The following permission names have been modified:

- *Edit client rates and routes* -> *Edit client rates and routing*
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- *Edit client rates/routing for own accounts -> Edit client rates and routing of managed accounts*
- *Edit vendor rates/routing for own accounts -> Edit vendor rates and routing of managed accounts*

The name of the group of permissions has been changed from *Edit rates\routing permissions* to *View/edit rates and routing*.

Also, the following permissions have been added for more flexible access customization:

- *View only client rates*
  - *View only vendor rates.*
  - The System parameter *Allow Wholesale portal user registration (0 - no, 1 - yes)* has been renamed to *Allow portal user self-registration (0 - no, 1 - yes)* to reflect its broader scope, as it governs user registration not only for the Wholesale portal but also for the Campaign portal.
  - It is now possible to bill all (intermediate and final) HLR providers (for example, in cases when the first supplier did not return MCCMNC and the dipping request was sent to the next provider). The behavior is configured using internal DB parameter *SMS-HLR\_CHARGE\_ON\_CDR*. The default value is 1 (previous System behavior where only the last HLR supplier is charged). If set to 0, information about intermediate suppliers from a separate DB table *SMS\_HLR\_EDR* will be taken into account when calculating HLR cost (according to HLR MCCMNC, reference book MCCMNC/MCC or 'Rest of the world' MCC) for statistics, billing and routing (HLR rate is taken into account if the System parameter *Deduct HLR rate from margin (0 - no, 1 - yes)* is enabled). To track the number of requests, the new *HLR requests* column has been added to the *Analytics* interface. For the old logic, the number of requests per one message is 1 (the last HLR provider is taken into account), for the new logic it is the total number of requests to HLR providers.
  - The following menu items have been renamed (available when HLR/MNP reselling is enabled):
    - *HLR analytics* → *MNP analytics*
    - *HLR Reselling* → *MNP server*
    - *HLR configurator* → *MNP configurator*
  - It has been made possible to specify the type of linefeed forwarding sent in HTTP packets using the *HTTP line feed* in client and HTTP vendor channels. Possible values are:
    - *Default:* the value is determined by the internal *linefeed0DOA* and *linefeedChannel* settings
    - *Windows:* line feed - \r\n
    - *Linux:* line feed - \n
  - An additional check has been added to prevent deletion of a billing preset if it is used in existing products.
  - The *Payment systems* settings are now checked before a payment system can be selected in the *Contract companies* settings.
  - The new user permission *View change log reports* has been added for access to reports of the *Change logs* category. Reports of this category have been assigned the new role.
  - It is now possible to set a default preset (marked with a star icon next to the preset name) to auto-select upon opening the interface. The new feature is available in the *Rate export*, *Rate editor*, and *EDR export tool* interfaces.
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## Enhancements

- The limit for the incoming parameter *inc\_msg\_id* (for HTTP requests) was increased from 64 characters to 128 characters.
- It is now possible to set the System parameter *Inactivity logout timeout, min* as *null* to disable automatic logout.

## Analytics

- Financial data (for example, Margin, HLR cost or rates) will be concealed for *Restricted partner* records.
- Starting from the new version, the *Client sender ID* layer will display the original value received from the client.
- It is now possible to export EDR records from the *Analytics* interface for the entire selected period without limitation on the number of records, if the period type is set as minute, hour, or day. Use the *Export for the entire < period type >* button (for example, *Export for the entire hour*).
- The *Show other managers' vendor names and channels* and *Show other managers' client names and channels* user permissions have been renamed to *Show other managers' vendor names, channels and products* and *Show other managers' client names, channels and products*, respectively, as they now also affect the display of product names.

## Auto import

- Previously, when receiving a file containing double spaces in its name, extra spaces were cut out for display in the web interface (*Email processing rules\Files*). Starting with the new version, cutting out spaces from file names has been removed.
- The icon  was added to the *Auto rate import* interface to track when a rule was created and last modified.
- The icon  was added to the *Administration\Email processing rules* interface to track when a rule was created and last modified.
- The *[CarName]* and *[ProductDescr]* markers can now be used in *SMS auto rate import carrier notification (short report)* and *SMS auto rate import owner notification (short report)* templates. Additionally, the template selection logic has been fixed: now the template created for a specific account will have priority over the default template for all partners.

## Document generation

- The *[SystemIDs]* marker has been added for the *Invoice details* template, displaying a list of logins of active SMS channels associated with the product.
- A System type check has been added to display available templates - for example, Voice document templates will not be available for SMS Systems in the *Template manager* interface.

## EDR export

- The *Hide header* flag has been added to the *Export settings* form. If this flag is enabled, the exported file will not contain a header.

## Financial module

- The *ID* column was added to the *Finance\Recurring fees* interface.
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- The checkbox *Ignore file header* was added to the balance synchronization form of the *Payments* interface. If the checkbox is deselected, all rows in the file are processed. If selected, the first line (header) will be skipped. Additionally, after successful file loading a summary with columns *Carrier name*, *Currency*, *Balance*, *Effective date*, *Result* will be displayed, where *Not imported* or *Imported* will be indicated as a result.

### RCS

- The old version of RCS API for the Sinch provider is no longer supported, the old entries will be hidden in the *Bots* interface. The new version of RCS API is now supported.
- The new System parameter has been added - *Session tariffication type: [0-not change\1-change] type depend on billing scheme*. When set to 0, a session event is created and the *Default* rate from the billing scheme is used if there is no separate session rate in the billing scheme. When set to 1, no session event is created and messages are billed according to the value *Event: Message* if there is no rate for the session in the billing scheme.

Starting from the new version, manual recalculation of RCS EDRs (*EDR rerating* interface) will affect RCS sessions if there was a change of message type (from sessions to messages). Note that if the entire session is not included in the recalculation period, the recalculation will not affect it. The new flag *Change session/message type according to current billing scheme* has been introduced for such cases. The flag includes all affected session messages in the recalculation, or, if disabled, it takes into account only the messages that are included in the recalculation time period.

A slight change in the view when selecting *Rerating for as Billing scheme products* was added: both *Client* and *Vendor* directions are now available for simultaneous selection.

### REST API

- Verification for correct date format was added for the REST API methods related to invoices (for example, GET:invoice).
- The operation of GET:edr method was optimized. Additionally, the number of exported rows will be limited by the value specified in the *rec\_count* filter or, if not specified there, in the *Maximum record count in REST API responses* System setting.

### Rate compilation

- The *Keep existing client rate notes* flag has been added to the *Apply generated rates* form. If this flag is selected, rate notes are not reset when generating rates.

### Rate editor

- The *Active from* field will be blank by default in the *Add period* window, and the *Active till* field will be set to *2100.01.01*.
- The *Export* button has been added to the *SMS\Rates\Rate editor* interface that serves to open the *SMS\Rates\Rate export* page with pre-set filters for the export of the selected rates — for example, the button becomes active when grouping rates by product.

### Rate import

- The new System parameter *Default close type* has been added. Possible values are as follows: *Code*, *Non-match*, *Full country*. The parameter defines the default rate close type when importing rates manually. *Code* means *Update only rates for fully matching dial codes*, *Non-match* means *Close non-matching dial codes*, *Full country* means *Full country*.
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- The *Replace current effective date with email delivery date* flag was added. If enabled and the date from the *Start date* column matches the current date, but does not contain specific hours and minutes, then the rate effective date is set to the email receipt time. If the date from the *Start date* column does not match the current day or if there are specific hours and minutes in the date, the date and time values from the *Start date* column are used. The flag is available only if the *Start date* column is defined.
- An internal log storing table has been added to track changes applied in the *Auto rate import\Error type levels* interface.
- The layout of the *Rate import* interface has been slightly modified:
  - the *Preview of rates* table is now not overlapped by the settings panel
  - assigning a date from a cell will highlight the cell with the corresponding color (red for increases, blue for new rates, green for decreases, gray for closed rates and beige for the cell selected in *Effective from*).
- The System parameter *List of recipients for SMS rate import log* has been added to specify email addresses for rate import alerts. Alerts are configured in the *SMS auto rate import owner notification (full report)* template.

### Report builder

- A new column called *Switch ID* has been added to the *Channel status (Reference)* and *Channel offline alarm (Alerts)* reports. It specifies the Switch ID (set in the internal configuration of the SMS switch) that recorded the channel status or change. The CHANNEL\_DIRECTION column now displays user friendly connection type values (Auto, RX, TX, TR) instead of numeric ones (reports *Channel status updates (Reference)* and *Channel status (Reference)*).

### Routing rules

- Possibility was added to specify a set of fields received from the HLR module as routing metrics (*Condition* and *Formula* fields). List of metrics:
    - hlr["message\_id"]
    - hlr["mccmnc"]
    - hlr["result"]
    - hlr["ported"]
    - hlr["source"]
    - hlr["present"]
    - hlr["roaming"]
    - hlr["source\_name"]
    - hlr["source\_type"]
    - hlr["dnis"]
    - hlr["cached"]
    - hlr["error"]
    - hlr["sender\_id"]
-

## Enhancements

- `hlr["login"]`
- `hlr["context_log"]`
- `hlr["provider_ttl"]`
- `hlr["providerResponseCode"]`
- `hlr["raw_response"]`
- `hlr["aux_sources"]`

Example of usage:

```
hlr["source_name"] == 'mitto'
```

Please note that these fields are returned by the new generation HLR module (HLR3), and the fields must also be enabled for the System user providing the communication between the routing modules and HLR (all fields are enabled by default).

- The `<>` operator is marked as deprecated in routing rules, as it will be automatically replaced by the similar operator `!=` in future System versions due to the transition to Python 3.0, where `<>` will no longer be supported.

## Test system

- The *Test system* interface settings form has been redesigned:
  - Settings have been reorganized into sections: *General*, *Sender settings*, *Destination settings*, and *Message parameters*.
  - It is now possible to configure *TON/NPI* (separately for Sender ID and destination number), *Validity period*, and *Registered delivery* for the *Manual* testing platform.
  - The new columns can now be selected in the *Test tasks* table.

## Translation rules

- An additional check has been added to prevent translation rule edits if client or vendor product lists contain restricted values.

## Users

- The *Reference books* permission section has been added containing the *Billing presets* and *IM channels* permissions to grant access to the corresponding reference books.
- The user permission *View contact emails in agreements* has been divided into two separate permissions:
  - *View contacts of all partners* – enables access to email addresses of all available partners.
  - *View contacts of own partners* – allows users to view email addresses of partners they manage as account managers under the *View and edit objects of managed accounts* permission, or partners linked to contract companies they are authorized to access under the *View and edit objects of own contract companies* permission.

## Wholesale portal

- The permissions *Get SMS POI* and *Edit SMS POI* have been added to hide or show the *SMS POIs* tabs and the ability to edit them respectively. Note that the ability to edit POIs is also controlled by the System parameters *Wholesale portal access mode* (1 - read/write, 2 - read only) and *Allow Wholesale portal users to edit POIs* (1 - yes, 0 - no).
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## 2 Fixed issues

### General

- System messages used for monitoring purposes will be deleted after the expiry of the period specified in the System parameter *Delivery waiting period, sec*.
- In rare cases, when transcoding from encoding 8 and translating the text, the message was sent to the vendor incorrectly segmented. For example, the initial message fit into the limits of encoding 8 (68 characters). Then text translation took place and the length of the text became 71 characters. After transcoding (for example, in encoding 3) this limit fit into one segment. However, due to the fact that for the original encoding the number of symbols was exceeded, the vendor received two submit\_sm signals with separated text, which is incorrect behavior. The issue has been fixed.
- Previously, leading zeros were force-trimmed when entering a code for 2FA, which resulted in the inability to log in to the web-interface (due to an incorrect code). The behavior has been corrected.
- When an email address was specified in the *Email address list to BCC finance-related emails* field in the *Contract companies* settings (*Reference book\Contract companies*), the address was inserted into the CC field instead of the BCC field. The issue has been fixed.

### Auto import

- Notifications on auto rate import results were sent through the mail server of the *Default* type. The issue has been fixed: now the mail server of the *Rates* type is used.
- An auto rate import error has been fixed when the file name contained a Unicode character.
- If an email had an empty field (for example, the email subject or body), it was considered as matching an auto import rule, even if the rule for this field contained a specific mask (for example, %test%). The issue has been fixed.
- Users that lack appropriate edit permissions could edit rules and delete email files in *Administration\Email processing rules*, and no warning appeared on the screen, though the changes were not actually applied when the page was refreshed. Starting with the new version, an error message will appear.
- The users could remove emails in the *Administration\Email processing rules\Letters* interface even though they lacked the *Delete file records* permission. Starting with the new version, the System checks whether the user has the appropriate permission.

### EDR export

- The network in the *HLR net* field will be listed as *Undefined* if a corresponding name cannot be found for the HLR MCCMNC in the *e.212/e.164 reference book editor*.

### EDR rerating

- When the Sender MCCMNC was modified in rates for products with the enabled option *Use sender MCCMNC based rates*, no automatic recalculation task was started. The issue has been fixed.

### Enterprise API

- Operation of the Enterprise API (EAPI) module has been enhanced. Previously the module could respond with an error when the connection to the database was lost, due to numerous open threads.

### Financial module

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## Fixed issues

- Previously, when editing recurring fees (for example, the *Details* field), the charges were duplicated. The issue has been fixed.
- The logic of determining values for the *Payment status* column has been corrected. Previously due to the rounding of *Due amount* values the status could be displayed, for example, as *Partially paid*, even though the payment amount fully covered the invoice.

## REST API

- Incorrect operation of the *confirm* parameter has been fixed for payment handling methods.

## Rate editor

- An error has been fixed that caused failure to display the parent rate when filtering child product rates.
- Sorting by product has been fixed.
- The filtering issue has been fixed for network names containing a comma.
- The *Country* and *Network* columns are now present in the file when exporting data from the interface.
- A filtering bug has been fixed for network names containing a comma.

## Rate export

- Column settings were selected incorrectly for rate export if the settings contained *Direction=Any*.

## Rate import

- The message "Rate parsing error" has been removed for zero rates imported with the enabled checkbox *Do not close zero rates*.

## Reports

- Incorrect display of the summary table (*pivot* mode) has been fixed if the report result contained *Total* as the first row and the System parameter *Add report info to file header* (0 - no, 1 - yes). By default - 1 was enabled.

## Routing rules editor

- The issue of not adding the *Exclude "All MCCMNC"* value when using the *Transfer all values* (">>") button for the *MCCMNC* column has been fixed.

## Tags

- When importing tags, the import summary displayed the wrong number of records by truncating the number after the first digit - for example, if 200 records were added, the information message was "New tag records created: 2".

## Test system

- The *Test system* interface has the option of sorting columns in the table of tasks in descending or ascending order. Previously these options were not accessible for selection. Starting with the new version sorting is allowed.

## Volume-based deals

- An error has been fixed that occurred when reducing a large number of deal periods.

## Campaign Portal

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## Fixed issues

- Display of and operation with contacts have been optimized.
- The error "No role Show packs granted" has been fixed that appeared when viewing the *Statistics* tab by a user without the *Show packs* permission. Now, instead of the error message, existing packs will be hidden behind an ID.

## Wholesale Portal

- Previously, if the System parameter *Allow Wholesale portal user registration (0 - no, 1 - yes)* (renamed to *Allow portal user self-registration (0 - no, 1 - yes)*) was disabled, users could still register through REST API methods. The issue has been fixed.

## 3 Known issues

### General

- When selecting a region in a carrier filter, some carriers may be available that have a region with an ID that partly matches the region in question (for example, region ID=1 partly matches region ID=11). The issue is observed in multipickers, for example in *EDR export tool*.
- A user with the *Invoicing* permission but with no *Generate client invoice/Register vendor invoice* permissions can recalculate period for an account available to the user if *Direction: All* is selected. The situation is incorrect.

### Analytics

- When the *Telescopic* mode is enabled for the *Analytics* interface, and a year period is opened, the bottom table may show values greater than those in the top table. The situation is incorrect.
- When exporting a file from the bottom table of the *Analytics* interface for partners with the *Self signed-up* checkbox selected, the file cannot be opened correctly.

### Buffering rules

- IM traffic is not buffered according to the rules.

### EDR management

- When getting a long message over HTTP with *longMessageMode=split*, message parts are assigned identical transaction IDs. For this reason, when viewing the parts in the *EDR Export (SMS)* report or the *EDR export tool* interface, the *SMS text* column will contain the full message text (all parts). However, the *Translated text* column will contain the text of a specific part only (which is correct behavior).

### Financial module

- If the Excel document generation module is unavailable, invoices will be considered confirmed with the status *Dispatch failed*.

### Rate import

- Previously when assigning the *e.212* column, resetting it and re-assigning it, the following error could occur when attempting import: The following columns must be specified: *e.212* or *MCC* and *MNC*. Also, in this situation *MCC* and *MNC* columns could not be assigned. The issue has been partly fixed, but is still observed when restarting an import task.

### SMS Router

- Some emoji (for example, 🍌), are matched with patterns incorrectly in translation or routing rules. Failure of rules can be tracked by the simulation log.
- Text translation of MT messages is not applied if the number is assigned in the *Number management* interface.

### SMS switch

- When receiving a message from the client over HTTP, text translation according to the rules and further sending it to the SMPP vendor, the vendor correctly receives the transliterated text, but the source text is written to EDR to the translated text field.
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- When transcoding concatenated messages from encoding 0 to another encoding (for example, 3), the original encoding is written to the EDR (for example, 0 instead of 3) while the text is transcoded correctly.
- When a short message with an increased number of segments after translation is rerouted to another vendor, only one segment is resent.
- Long messages that became short due to the decreased number of segments are sent incorrectly if there is a vendor channel in the route list, which was added into the internal setting for sending long messages in the message\_payload field (singleSubmit internal setting).
- If no response is received from the HTTP vendor within the response timeout (30 seconds by default), the internal EDR status is recorded as ROUTE FAILED instead of SUBMIT\_RESP TIMEOUT. Please note that the code from EDR can be used to trace the real reason for the rejection (1000019 for non-response within the waiting time).
- When the generic\_nack signal is received as a response to an MO message from the client, the corresponding EDR is not recorded.
- The EDR for a message sent from the *Test system* contains the value Vendor IP=N/A. Also, the TON and NPI values are specified as -/-/, even though correct values are sent to the vendor.
- If the new generation SMS switch is employed, the current buffer occupancy can be verified both by the new generation and previous generation switches, as currently both switches operate together.
- In rare cases (for example, if the network connection is unstable) the SMS switch may send packets intended for the old connection to the new connection before it receives a bind packet.
- The following behavior is observed for the SMS switch. If several switches are installed on different servers, values of the following vendor SMS channel parameters will be multiplied by the number of available switches:
  - Vendor capacity (sms/sec)
  - Vendor window size

For example, if the parameter *Vendor capacity (sms/sec)* is set to 200, and two separate new-generation switches are installed in the System and the connection is established from both of them, the allowed channel capacity is 400. If the connection is established from one switch only, the allowed capacity will be 200.

- The new generation SMS switch records statuses of disabled channels.

## Tags

- Multiple selection of tags may cause the *Delete* button (for deleting records in bulk) to disappear. It is recommended to select a specific row first, then apply multiple selection.
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Database structure changes

## 4 Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
BAS_DID_DIAL_CODE	CLI_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Cli Rate scheme (ref to BAS_DID_NUMBER_SCHEME)
BAS_DID_DIAL_CODE	VND_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Vnd Rate scheme (ref to BAS_DID_NUMBER_SCHEME)
FIN_SUBSCR_DETAIL	SUBSCR_COMMENTS	changed in 3.7.0	VARCHAR2	256	Y	Comments/Error description
FIN_SUBSCR_DETAIL	SUBSCR_SUPPRESSED	changed in 3.7.0	NUMBER	22	Y	Suppressed flag (1 - wrong service amount, 2 - error, 3 - emptyrate\volume, null - no)
LOG_SW_SESSION	-- Table --	created in 3.7.0				Switch activity log



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
LOG_SW_SESSION	CHECK_SUMBIT	created in 3.7.0	NUMBER	22	Y	Check submit flag (1 -yes, 0 - no)
LOG_SW_SESSION	LAST_UPDATED	created in 3.7.0	DATE	7	Y	Update date
LOG_SW_SESSION	MODULE_HASH	created in 3.7.0	NUMBER	22	N	Module name hash
LOG_SW_SESSION	MODULE_NAME	created in 3.7.0	VARCHAR2	256	Y	Module name
LOG_SW_SESSION	START_SCN	created in 3.7.0	NUMBER	22	Y	Start SCN
LOG_SW_SESSION	TABLE_NAME	created in 3.7.0	VARCHAR2	30	N	Table name
PRV_API_RESOURCE	NEW_REST	created in 3.7.0	NUMBER	22	Y	0 - old REST from prv_api_resource, 1 - call method from package wholesale_api_utils
PRV_ATT	-- Table --	created in 3.7.0				Entity attribute
PRV_ATT	ANAME	created in 3.7.0	VARCHAR2	64	Y	Name



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
PRV_ATT	ID	created in 3.7.0	NUMBER	22	N	ID
PRV_ATT	TYPE_ID	created in 3.7.0	NUMBER	22	N	Type ID (reference to prv_att_type.id)
PRV_ATT_TYPE	-- Table --	created in 3.7.0				Entity attribute type
PRV_ATT_TYPE	DSC	created in 3.7.0	VARCHAR2	1000	Y	Description
PRV_ATT_TYPE	ENAME	created in 3.7.0	VARCHAR2	64	Y	Name of entity
PRV_ATT_TYPE	ID	created in 3.7.0	NUMBER	22	N	ID
PRV_ATT_VAL	-- Table --	created in 3.7.0				Entity attribute values
PRV_ATT_VAL	ATT_ID	created in 3.7.0	VARCHAR2	64	N	Attribute ID (reference to prv_att.id)
PRV_ATT_VAL	C_VAL	created in 3.7.0	VARCHAR2	4000	Y	Character value
PRV_ATT_VAL	D_VAL	created in 3.7.0	DATE	7	Y	Date value



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
PRV_ATT_VAL	ID	created in 3.7.0	NUMBER	22	N	ID
PRV_ATT_VAL	N_VAL	created in 3.7.0	NUMBER	22	Y	Number value
PRV_DEFAULT_TEMPLATE	-- Table --	created in 3.7.0				Default template
PRV_DEFAULT_TEMPLATE	TEMPLATE_ID	created in 3.7.0	NUMBER	22	Y	Template ID (primary key)
PRV_DEFAULT_TEMPLATE	TEMPLATE_NAMESPACE	created in 3.7.0	VARCHAR2	30	Y	Namespace
PRV_DEFAULT_TEMPLATE	USER_ID	created in 3.7.0	NUMBER	22	Y	User id
PRV_LOG_ID	-- Table --	created in 3.7.0				Temporary change log
PRV_LOG_ID	ID	created in 3.7.0	NUMBER	22	N	ID
PRV_LOG_ID	LOG_ROWID	created in 3.7.0	ROWID	10	Y	Log rowid
PRV_LOG_ID	SUBMIT_ID	created in 3.7.0	NUMBER	22	Y	Temporary log ID
PRV_LOG_ID	TABLE_NAME	created in 3.7.0	VARCHAR2	30	Y	Table name



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
PRV_MAIL_SERVER	CLIENT_ID	changed in 3.7.0	VARCHAR2	256	Y	Token client ID
PRV_MAIL_SERVER	CLIENT_SECRET	changed in 3.7.0	VARCHAR2	256	Y	Token client_secret
PRV_MAIL_SERVER	OAUTH2TOKEN	changed in 3.7.0	VARCHAR2	2048	Y	Token oauth
PRV_MAIL_SERVER	OAUTH_TENANT_ID	created in 3.7.0	VARCHAR2	256	Y	Oauth tenant ID
PRV_MAIL_SERVER	OAUTH_TYPE	created in 3.7.0	NUMBER	22	Y	Oauth type (0 - Disabled, 1 - Google, 2 - Microsoft)
PRV_RATE_SEND_QUEUE	-- Table --	created in 3.7.0				Queue for rate notification
PRV_RATE_SEND_QUEUE	CREATE_DATE	created in 3.7.0	DATE	7	Y	Create date
PRV_SW_SESSION	-- Table --	created in 3.7.0				Switch activity log
PRV_SW_SESSION	CHECK_SUBMIT	created in 3.7.0	NUMBER	22	Y	Check submit flag (1 -yes, 0 - no)
PRV_SW_SESSION	LAST_UPDATED	created in 3.7.0	DATE	7	Y	Update date



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
PRV_SW_SESSION	MODULE_HASH	created in 3.7.0	NUMBER	22	N	Module name hash
PRV_SW_SESSION	MODULE_NAME	created in 3.7.0	VARCHAR2	256	Y	Module name
PRV_SW_SESSION	START_SCN	created in 3.7.0	NUMBER	22	Y	Start SCN
PRV_SW_SESSION	TABLE_NAME	created in 3.7.0	VARCHAR2	30	N	Table name
PRV_TASK	TASK_LAST_START_TIME	created in 3.7.0	DATE	7	Y	last start date
PRV_TASK	TASK_LAST_STOP_TIME	created in 3.7.0	DATE	7	Y	last completion date
RAT_DEPEND_RATE_TMP	CHILD_INDEX	deleted in 3.7.0	VARCHAR2	33	Y	Reference to child product
RAT_DEPEND_RATE_TMP	CHILD_INDEX_ANI	created in 3.7.0	VARCHAR2	16	Y	Reference to child product (ANI group)
RAT_DEPEND_RATE_TMP	CHILD_INDEX_DC	created in 3.7.0	VARCHAR2	16	Y	Reference to child product (dial_code)



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
RAT_DEPEND_RATE_TMP	RATE_ANI_GRP_ID	created in 3.7.0	NUMBER	22	Y	ANI group ID
RAT_DEPEND_RATE_TMP	RATE_ID	changed in 3.7.0	NUMBER	22	N	ID
RAT_EMAIL_RULE	CREATED	created in 3.7.0	DATE	7	Y	Created date
RAT_EMAIL_RULE	CREATED_BY	created in 3.7.0	VARCHAR2	256	Y	Created by
RAT_EMAIL_RULE	LAST_UPDATED	created in 3.7.0	DATE	7	Y	Last updated date
RAT_EMAIL_RULE	LAST_UPDATED_BY	created in 3.7.0	VARCHAR2	256	Y	Last updated by
RAT_IMP_RATE_STATUS	CSCD	created in 3.7.0	VARCHAR2	256	Y	Carrier-specific destination
RUT_LIM_REFRESH_QUEUE	FMT	changed in 3.7.0	VARCHAR2	4	Y	Format (HH24/DD/DAY/MM)
RUT_LIM_REFRESH_QUEUE	PDATE	created in 3.7.0	DATE	7	Y	Origin cube date



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
RUT_LIM_RULE	IS_MONTH_BY_MONT H	created in 3.7.0	NUMBER	22	Y	Flag of months calculation by month cubes (1 - yes, null - no)
SMS_CDR	CDR_SRC_MSG_ID	changed in 3.7.0	VARCHAR2	128	Y	SMS session transaction ID generated by SMS Switch for the client
SMS_CDR	CDR_TRANSACTION_ID	changed in 3.7.0	VARCHAR2	128	Y	Transaction ID
SMS_CDR	CLI_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Client Rate Scheme
SMS_CDR	VND_RATE_SCHEME_I D	created in 3.7.0	NUMBER	22	Y	Vendor Rate Scheme
SMS_CDR_ARCHIVE	CDR_SRC_MSG_ID	changed in 3.7.0	VARCHAR2	128	Y	SMS session transaction ID generated by SMS Switch for the client
SMS_CDR_ARCHIVE	CDR_TRANSACTION_ID	changed in 3.7.0	VARCHAR2	128	Y	Transaction ID
SMS_CDR_ARCHIVE	CLI_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Client Rate Scheme



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
SMS_CDR_ARCHIVE	VND_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Vendor Rate Scheme
SMS_CDR_BFRD	CDR_SRC_MSG_ID	changed in 3.7.0	VARCHAR2	128	Y	SMS session transaction ID generated by SMS Switch for the client
SMS_CDR_BFRD	CDR_TRANSACTION_ID	changed in 3.7.0	VARCHAR2	128	Y	Transaction ID
SMS_CDR_BFRD	CLI_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Client Rate Scheme
SMS_CDR_BFRD	VND_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Vendor Rate Scheme
SMS_CDR_TEXT	CDR_TRANSACTION_ID	changed in 3.7.0	VARCHAR2	128	N	Transaction ID
SMS_CDR_TMP	CDR_SRC_MSG_ID	changed in 3.7.0	VARCHAR2	128	Y	34 sms session transaction id generated by sms switch for the client
SMS_CDR_TMP	CDR_TRANSACTION_ID	changed in 3.7.0	VARCHAR2	128	Y	51 transaction id



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
SMS_CDR_TMP	CLI_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	106 Client Rate Scheme
SMS_CDR_TMP	REVERSE_CHARGE_DST	changed in 3.7.0	NUMBER	22	Y	105 Reverse charge for DST (-1,1)
SMS_CDR_TMP	REVERSE_CHARGE_SRC	changed in 3.7.0	NUMBER	22	Y	104 Reverse charge for SRC (-1,1)
SMS_CDR_TMP	VND_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	107 Vendor Rate Scheme
SMS_CHANNEL	HTTP_LINEFEED	created in 3.7.0	NUMBER	22	Y	HTTP linefeed(null/0 - default from switch, 1 - Linux, 2 - Windows)
SMS_CUBE_DAY	COUNT_TOTAL_HLR	created in 3.7.0	NUMBER	22	Y	Count of HLR request
SMS_CUBE_EXCHANGE	COUNT_TOTAL_HLR	created in 3.7.0	NUMBER	22	Y	Count of HLR request
SMS_CUBE_HOUR	COUNT_TOTAL_HLR	created in 3.7.0	NUMBER	22	Y	Count of HLR request
SMS_CUBE_MIN	COUNT_TOTAL_HLR	created in 3.7.0	NUMBER	22	Y	Count of HLR request



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
SMS_CUBE_MONTH	COUNT_TOTAL_HLR	created in 3.7.0	NUMBER	22	Y	Count of HLR request
SMS_CUBE_WEEK	COUNT_TOTAL_HLR	created in 3.7.0	NUMBER	22	Y	Count of HLR request
SMS_EXP_DATA	CDR_SRC_MSG_ID	changed in 3.7.0	VARCHAR2	128	Y	SMS session transaction ID generated by SMS Switch for the client
SMS_EXP_DATA	CDR_TRANSACTION_ID	changed in 3.7.0	VARCHAR2	128	Y	Transaction ID
SMS_GEN_COMPILATION	RATE_NOTE_LIST	created in 3.7.0	VARCHAR2	1024	Y	Rate note
SMS_HLR_EDR	EDR_IP	created in 3.7.0	VARCHAR2	32	Y	IP address
SMS_HLR_EDR	EDR_TRANSACTION_ID	created in 3.7.0	VARCHAR2	128	Y	Transaction ID
SMS_IMP	IMP_INFO	created in 3.7.0	VARCHAR2	4000	Y	Additional info for import(json inside)
SMS_RUT_LIM_DESTINATION	MCC_MNC_MASK	changed in 3.7.0	VARCHAR2	22	Y	Mcc mnc mask (deprecated)



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
SMS_RUT_LIM_DESTINATION	PRODUCT_ID	changed in 3.7.0	NUMBER	22	Y	Product ID (deprecated)
SMS_RUT_LIM_DESTINATION	RULE_ID	changed in 3.7.0	NUMBER	22	Y	Routing rule ID Rule (primary key) rule_id id
SMS_RUT_LIM_RULE	STAT_CALC_TYPE	created in 3.7.0	NUMBER	22	Y	0 - Product + MCCMNC, 1 - MCCMNC, 2 - Product, 3 - Total
SMS_RUT_LIM_STATS	MCC_MNC_MASKS	created in 3.7.0	VARCHAR2	4000	Y	Mcc mnc masks
SMS_RUT_LIM_STATS	PRODUCT_IDS	created in 3.7.0	VARCHAR2	4000	Y	Product IDs
SMS_TEST_TASK	TASK_ADDPOI	created in 3.7.0	NUMBER	22	Y	Add vendor POI ID to text message (1 - yes / 0 - no)
SMS_TEST_TASK	TASK_DEST_NPI	created in 3.7.0	NUMBER	22	Y	Destination NPI
SMS_TEST_TASK	TASK_DEST_TON	created in 3.7.0	NUMBER	22	Y	Destination TON
SMS_TEST_TASK	TASK_REGISTERED_DELIVERY	created in 3.7.0	NUMBER	22	Y	Delivery notify flag (1 - yes / 0 - no)



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
SMS_TEST_TASK	TASK_SENDER_FORMAT	created in 3.7.0	NUMBER	22	Y	Sender format
SMS_TEST_TASK	TASK_SENDER_NPI	created in 3.7.0	NUMBER	22	Y	Sender NPI
SMS_TEST_TASK	TASK_SENDER_TON	created in 3.7.0	NUMBER	22	Y	Sender TON
SMS_TEST_TASK	TASK_VALIDITY_PERIOD	created in 3.7.0	VARCHAR2	16	Y	Validity period
SMS_TEST_TASK_TEMPLATE	TT_ADDPOI	created in 3.7.0	NUMBER	22	Y	Add vendor POI ID to text message (1 - yes / 0 - no)
SMS_TEST_TASK_TEMPLATE	TT_SENDER_FORMAT	created in 3.7.0	NUMBER	22	Y	Sender format
SMS_TEST_TASK_TEMPLATE	TT_TASK_DEST_NPI	created in 3.7.0	NUMBER	22	Y	Destination NPI
SMS_TEST_TASK_TEMPLATE	TT_TASK_DEST_TON	created in 3.7.0	NUMBER	22	Y	Destination TON



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
SMS_TEST_TASK_TEMPLATE	TT_TASK_REGISTERED_DELIVERY	created in 3.7.0	NUMBER	22	Y	Delivery notify flag (1 - yes / 0 - no)
SMS_TEST_TASK_TEMPLATE	TT_TASK_SENDER_NPI	created in 3.7.0	NUMBER	22	Y	Sender NPI
SMS_TEST_TASK_TEMPLATE	TT_TASK_SENDER_TON	created in 3.7.0	NUMBER	22	Y	Sender TON
SMS_TEST_TASK_TEMPLATE	TT_TASK_VALIDITY_PERIOD	created in 3.7.0	VARCHAR2	16	Y	Validity period
STA_CDR_RECON_RESULT	OWNER_DESTINATION	created in 3.7.0	VARCHAR2	512	Y	dial_code_destination from bas_dial_code_v (on cdr_src_dial_code/cdr_dst_dial_code)
STA_CDR_RECON_RESULT	OWNER_DIAL_CODE	created in 3.7.0	VARCHAR2	16	Y	cdr_src_dial_code/cdr_dst_dial_code



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
STA_CDR_RECON_RESULT	OWNER_PRODUCT_CAPTION	created in 3.7.0	VARCHAR2	512	Y	product_caption from bas_product_v (on cdr_src_product_id/cdr_dst_product_id)
STA_EXP_DATA	CDR_ANI_DIAL_CODE	created in 3.7.0	VARCHAR2	16	Y	Ani dial code (from system reference book)
STA_EXP_DATA	CLI_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Client Rate Scheme
STA_EXP_DATA	VND_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Vendor Rate Scheme
STA_RAW	CDR_ANI_DIAL_CODE	created in 3.7.0	VARCHAR2	16	Y	Ani dial code (from system reference book)
STA_RAW	CLI_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Client Rate Scheme
STA_RAW	VND_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Vendor Rate Scheme
STA_RAW_ARCHIVE	CDR_ANI_DIAL_CODE	created in 3.7.0	VARCHAR2	16	Y	Ani dial code (from system reference book)



Database structure changes

Table	Column	Change	Data type	Data length	Nullable	Comments
STA_RAW_ARCHIVE	CLI_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Client Rate Scheme
STA_RAW_ARCHIVE	VND_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Vendor Rate Scheme
STA_RAW_MERGE_TMP	CLI_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Client Rate Scheme
STA_RAW_MERGE_TMP	VND_RATE_SCHEME_ID	created in 3.7.0	NUMBER	22	Y	Vendor Rate Scheme
TRD_BLEND_ITEM	OLD_ACD	created in 3.7.0	NUMBER	22	Y	Old vendor ACD
TRD_BLEND_ITEM	OLD_ASR	created in 3.7.0	NUMBER	22	Y	Old vendor ASR
TRD_BLEND_ITEM	OLD_COST	created in 3.7.0	NUMBER	22	Y	Old vendor average cost



REST API changes

## 5 REST API changes

Resource	Parameter	Change	Description	Auth required	Parameter descr.	Direction	Param. required	Param. type	Param. in	Order index	Validation json
GET:regalice	secret	deleted in 3.7.0	Alice registration	0	Secret	0	1	string	query		
POST:schedule_edr_export	car_id	created in 3.7.0	Schedule Voice CDRs or SMS EDRs export task	1	Carrier ID (for System owner users only)	0	0	integer	query		
POST:schedule_edr_export	direction	created in 3.7.0	Schedule Voice CDRs or SMS EDRs export task	1	Invoice direction (0 - client, [1] - vendor)	0	0	integer	query		