

# Alaris inVoice

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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>

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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## Enhancements

- *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*.

- 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.
- 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 *CDR export tool* interfaces.
- It is now possible to set the System parameter *Inactivity logout timeout, min* as *null* to disable automatic logout.

### Active calls

- The new fields *Client manager* and *Vendor manager* have been added to the *Active calls* interface.

### 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.

### Blended routing

- The performance of System jobs responsible for recalculation of statistics for blended routing rules and selection of vendors has been optimized.

### Document generation

- 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.

### CDR reconciliation

- The columns *Owner product*, *Owner dial code*, and *Owner destination* have been added to the reconciliation details table.

### 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.

### REST API

- Verification for correct date format was added for the REST API methods related to invoices (for example, GET:invoice).

### Rate export

- The parameters *Override rate increments with dial code based increments (0 - no, 1 - yes)* and *Force using default increments* now also apply to billing increment values during rate export (previously they affected CDR evaluation only).

### Rate import

- The rate import preview has been enhanced:
  - The *Info* column now displays detailed error/warning descriptions.
  - The *Period affected* column has been added to indicate whether changes impact the *Past* or *Future* period.
  - The *Importance* column has been renamed to *Stops auto import* (indicates whether the error is critical for automatic import, where *0* is non-critical and *1* is critical).
- The *Carrier specific destination* column has been added to the *choice* mode import results preview.

### Reference books

- Previously, the *Delete* button in the *Dial codes* interface remained inactive during bulk edits with the *Select all filtered* option in the *Multi edit* tab. Bulk editing has been reworked and the button is now active.

### Routing rules

- 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.
- The vendor rate display speed has been optimized in routing rule choices.

### Simulation

- The *Check routing* button in the *Rate editor* interface will not be available if the product does not have an active POI. A similar check has been added to the *Simulation* interface.

### Users

- New *Import client rates* and *Import vendor rates* permissions were added to separate the directions of the products in which a user can upload rates (in the *Rate import* interface).
  - 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.
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## Enhancements



- *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 *Called destination* column has been added to the CDR download file column set.
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## 2 Fixed issues

### General

- 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

- 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.

### CDR export

- The issue related to exporting CDR records when the *convert timestamps* flag is enabled has been resolved.
- The issue causing incorrect filtering by the *Destination (B)* field has been fixed.
- The error of defining values for the *Called destination* column 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

- 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.

### Limitation rules

- Previously traffic was not blocked based on limitation rules in cases when such rules were considered inactive according to the *Active to date*, but the blocking period (*Block length*) was still active. The issue has been fixed.
  - The *Limitation rules* interface allowed editing rules and thresholds even if the user had no appropriate permissions. The issue has been fixed.
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## REST API

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

## Rate compilation

- The procedure of routing rules generation based on rate compilation results has been improved. Previously, if the result included multiple occurrences of the same vendor product, the product was duplicated in the routing rule choices. The issue has been fixed.

## Rate import

- Sorting by the *Destination* field on the import results tab has been fixed.
- The issue has been fixed that occurred when importing rates with the *Rate notes* column for products with the *Use ANI based billing* flag enabled.

## Reference book editor

- The *Export to Excel* button has been added for the bottom table of the *A-number groups and codes* interface.

## 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.

## 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".

## 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.
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## 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 *CDR 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.

### Financial module

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

### Limitation rules

- If a rate from a parent product is selected for traffic that should be blocked according to the rule, the blocking may not work due to the specifics of the validation steps.

### Rate editor

- Schedule for the *Offpeak* and *Weekend* periods is not cloned correctly when cloning a rate.

### Rate import

- In rare cases, empty rows are added to xlsx files that make the file processing inconvenient.

### Routing module

- The parent rate is used for routing even if the child rate is blocked. The situation is observed if the dial code is the same in both rates and if the parent rate was the last to be updated.

### 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		