Payment orders   
File and web service structure

SmartVista Standard

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Introduction

History

|  |  |  |  |
| --- | --- | --- | --- |
| Revision | Date | Author | Details |
| 0.1 | 28.03.2013 | Necheukhin I. | Initial version. |
| 0.2 | 16.04.2013 | Necheukhin I. | Added description of the **payment\_purpose** complex tag. |
| 0.3 | 19.04.2013 | Necheukhin I. | Changed tag’s table structure. |
| 0.4 | 22.04.2013 | Necheukhin I. | The language attribute is mandatory in the LABEL and DESCRIPTION tags. |
| 0.5 | 02.10.2014 | Kondratyev A. | Element place\_code has been added into the block address. |
| 0.6 | 03.06.2015 | Kolodkina Y. | Added new complex element fee\_tier into block attribute\_fee. |
| 0.7 | 24.03.2016 | Gyumyush D. | Tags fee\_min\_value and fee\_max\_value were added into complex element fee\_tier. |
| 0.8 | 27.05.2016 | Gyumyush D. | Tags fee\_min\_value and fee\_max\_value were added into complex element attribute\_fee. |
| 0.9 | 31.03.2017 | Kolodkina Y. | Added tags Label, Description, template\_status, attempt\_count into tag Payment order |
| 0.10 | 23.03.2018 | Kolodkina Y. | Amended part of References. Added svap.wsdl. |

Document Purpose

This document is intended for developers of interfaces for the SmartVista system in part on the work of integration with payment orders. This document describes the interface content and structure.

References

SVAP Web Services schema and its underlying components are required for SmartVista.  
The following are the locations of the WSDL and XSD files.

SVAP WSDL: svap.wsdl

SVAP XSD: svap\_payment\_order.xsd

XML Document structure

Overview

An application for payment orders processing is XML document which contains all necessary for the payment order processing information (registering new providers, linking payment provider to the host, etc.). The application may be sent in SmartVista either off-line in file or on-line via web service. In both cases, the data structure is identical. The file can contain several applications at once. As a result XML document in a file contains additional root tag - APPLICATIONS, which contains several tags APPLICATION. In the case of a web service in one request to service only one application is specified. Therefore, the APPLICATION is a root tag.

In response of the application processing the same structure with additional fields is returned. In case of unsuccessful processing these are the tag errors. Tag errors are linked to the tag in the processing of which it arose. On successful processing tags with automatically generated identifiers are added to the application structure.

This document describes the full structure of the payment order application, lists all the possible tags. However, the final structure of the application (a set of mandatory tags) depends on the application destination (see the APPLICATION\_FLOW\_ID tag description)

Each tag of the COMPLEX type can contain the ID attribute. This is a unique tag identifier within a single application. It is not mandatory. This attribute is used to link the tags if it is necessary to refer from one tag to another. To link to another application tag the REF\_ID attribute is used. This relationship can be used, for example, when it is necessary to find the connection between the card and account that are described via different tags in application. If a complex tag contains a value in addition to child tags, it is set in the VALUE attribute.

It is necessary to specify the language that the tag information is provided for some text or complex tags. To this the LANGUAGE attribute is added. It must contain a value from the dictionary of languages. A tag can be multilingual and several of these tags can be added. But in one language only one tag can be added.

Tag lists

Payment purpose registration/editing

| Tag name | Data type | | | Length | | Occurs | Description |
| --- | --- | --- | --- | --- | --- | --- | --- |
| application | | | | | | | |
| application\_number | string | | | 200 | | 0-1 | Application unique number generated in an external system |
| application\_date | date | | |  | | 0-1 | Date of the application creation in an external system. |
| application\_type | string | | | 8 | | 1-1 | Application type. Constant: ‘APTPPMNO’ – Payment orders registration. |
| application\_flow\_id | int | | | 4 | | 1-1 | Application purpose: 1401 – Payment purpose registration. |
| application\_status | string | | | 8 | | 1-1 | Application status as it is created in the system. |
| operator\_id | string | | | 200 | | 1-1 | User system name of the user who has created the application. |
| institution\_id | int | | | 4 | | 1-1 | Institution identifier. |
| agent\_id | int | | | 8 | | 0-1 | Agent identifier. |
| payment\_purpose | complex | | |  | | 1-1 | Payment purpose. |
| customer | complex | | |  | | 0-1 | Customer associated with a provider |
| error | complex | | |  | | 0-1 | Error data that occurred on a parent element processing. |
| payment\_purpose | | | | | | | |
| command | string | | | 8 | | 1-1 | Action to perform over the object:  CMMDCREX – Create or except CMMDEXUP – Except or update  CMMDEXPR – Except or produce |
| object\_id | int | | | 16 | | 0-1 | Payment purpose identifier. |
| operation\_type | string | | | 8 | | 0-1 | Operation type. Dictionary. Possible values: - OPTP0060 – Service provider payment. |
| mcc | string | | | 4 | | 0-1 | Merchant category code. |
| terminal\_id | number | | | 8 | | 0-1 | Terminal identifier. |
| payment\_service | complex | | |  | | 0-1 | Payment service. |
| service\_provider | complex | | |  | | 0-1 | Payment provider. |
| payment\_parameter | complex | | |  | | 0-999 | Payments parameters. |
| payment\_service | | | | | | | |
| command | string | | | 8 | | 1-1 | Action to perform over the object. |
| object\_id | int | | | 16 | | 0-1 | Service unique identifier. |
| label | string | | | 200 | | 0-99 | Service name. It must have the «language» attribute with the language constant values (LANGENG, LANGRUS, etc.). If the language is not specified then the English is used. |
| short\_name | string | | | 200 | | 0-1 | Service abbreviation in English. |
| description | string | | | 2000 | | 0-99 | Service description. It must have the «language» attribute with the language constant values (LANGENG, LANGRUS, etc.). If the language is not specified then the English is used. |
| direction | int | | | 1 | | 0-1 | Payment direction: -1 from customer, 1 – to customer. |
| error | complex | | |  | | 0-1 | Error data that occurred on a parent element processing. |
| service\_provider | | | | | | | |
| command | string | | | 8 | | 1-1 | Action to perform over the object. |
| object\_id | int | | | 16 | | 0-1 | Provider unique identifier. |
| label | string | | | 200 | | 0-99 | Service name. It must have the «language» attribute with the language constant values (LANGENG, LANGRUS, etc.). If the language is not specified then the English is used. |
| short\_name | string | | | 200 | | 0-1 | Service abbreviation in Englishа. |
| provider\_number | string | | | 200 | | 0-1 | Provider external ID. |
| description | string | | | 2000 | | 0-99 | Service description. It must have the «language» attribute with the language constant values (LANGENG, LANGRUS, etc.). If the language is not specified then the English is used. |
| region\_code | string | | | 11 | | 0-1 | Payment provider region code. |
| error | complex | | |  | | 0-1 | Error data that occurred on a parent element processing. |
| customer |  | | |  | |  |  |
| customer\_number | string | | | 200 | | 1-1 | Customer external identifier. Unique with in the institution. |
| resident | int | | | 1 | | 1-1 | Resident flag. 1 – Resident, 0 – Non-resident. |
| customer\_relation | string | | | 8 | | 0-1 | Client and Bank relationship.  RSCBAFLT – Affiliate.  RSCBEMPL – Employee.  RSCBEXTR – No relation.  RSCBINSD – Insider. |
| nationality | string | | | 3 | | 1-1 | Country where the Company was registered. Country numerical code. |
| contract | complex | | |  | | 1-1 | It groups parameters of the contract. |
| company | complex | | |  | | 1-1 | The block describes the company that is a customer. Set if the customer is a legal entity. |
| contact | complex | | |  | | 1-3 | Customer contact data. |
| address | complex | | |  | | 1-2 | Customer address. |
| company |  | | |  | |  |  |
| company\_number | string | | | 200 | | 0-1 | Company external ID. |
| incorp\_form | string | | | 8 | | 1-1 | |  |  | | --- | --- | |  | Incorporation forms: |   INCF0041 -   |  |  | | --- | --- | |  | Unitary enterprise, based on operational management |   INCF0042 - Unitary enterprise, based on the right of business  INCF0047 - Public corporation  INCF0051 - General partnership  INCF0064 - Limited partnership  INCF0065 - Limited liability company  INCF0066 - Additional liability  INCF0067 - Closed joint stock company  INCF0071 - Private institution  INCF0072 - State-financed organization  INCF0073 - Autonomous institution  INCF0076 - Gardening, horticulture or country house non-profit partnership  INCF0077 - Union of the peasant farm  INCF0078 - Authorities of public initiative  INCF0080 - Territorial public self-government  INCF0082 - State corporation  INCF0083 - Social and religious organizations (associations)  INCF0084 - Public movement  INCF0085 - Consumers' cooperative  INCF0088 – Fund  INCF0089 - Other non-profit organizations  INCF0091 - Individual businessman  INCF0093 - Association of legal entities (association or union)  INCF0094 - Homeowners  INCF0096 - Non-profit partnership  INCF0097 - Autonomous non-profit organization |
| presence\_on\_location | int | | | 1 | | 0-1 | Flag of the executive office presence at said address. |
| authorized\_capital | float | | | 22 | | 0-1 | Amount of the company authorized capital stock. |
| authorized\_capital\_currency | string | | | 3 | | 0-1 | Currency of the specified authorized capital stock. |
| company\_name | complex | | |  | | 1-1 | Company name. Can be presented in multiple languages simultaneously. |
| identity\_card | complex | | |  | | 1-3 | Company documentation. |
| company\_name |  | | |  | |  |  |
| company\_short\_name | string | | | 200 | | 0-1 | Company abbreviation. |
| company\_full\_name | string | | | 200 | | 1-1 | Company long title. |
| identity\_card |  | | |  | |  |  |
| id\_type | string | | | 8 | | 1-1 | Identity card type:  For physical person  IDTP0001 – Passport.  IDTP0002 – Foreign passport.  IDTP0003 – Military certificate.  IDTP0004 – Sailor certificate.  IDTP0005 – Army officer certificate.  IDTP0006 – Citizen temporary certificate.  IDTP0040 – Passport (Foreign citizen).  IDTP0041 – Migratory card (Foreign citizen).  IDTP0042 – Permanent resident card (Foreign citizen).  IDTP0043 – Temporary residence permit (Foreign citizen).  IDTP0044 – Visa (Foreign citizen)  For legal person  IDTP0010 – Taxpayer Identification Number.  IDTP0011 – Main state registration number.  IDTP0012 – BIC.  IDTP0013 – Foreign Organization Code.  IDTP0014 – License. |
| id\_series | string | | | 200 | | 0-1 | Series. |
| id\_number | string | | | 200 | | 1-1 | Identity card number. |
| id\_issuer | string | | | 200 | | 0-1 | Issuer of the identity card. |
| id\_issue\_date | date | | |  | | 0-1 | Start date of the document. |
| id\_expire\_date | date | | |  | | 0-1 | Expiry date of the document. |
| id\_desc | string | | | 200 | | 0-1 | Additional information about the document in free form. |
| contact |  | | |  | |  |  |
| contact\_type | string | | | 8 | | 1-1 | Contact purpose. Dictionary:  CNTTPRMC – Primary contact  CNTTSCNC – Secondary contact  CNTTCEOC – CNTTCEOC – CEO contact.  CNTTCFEO – CFO contact. |
| preferred\_lang | string | | | 8 | | 0-1 | Language:  LANGENG – English;  LANGRUS – Russian. |
| job\_title | string | | | 8 | | 0-1 | Position of the contact person. Dictionary:  JTTLDRCT – Director  JTTLHDDP – Head of department  JTTLMNGR – Manager  JTTLOFMN – Office menager  JTTLCHFA – Chief accountant  JTTLACNT – Accountant |
| person | complex | | |  | | 0-1 | Contact person. |
| contact\_data | complex | | |  | | 1-\* | Contact data block. |
| contact\_data |  | | |  | |  |  |
| commun\_method | string | | | 8 | | 1-1 | Communication method:  CMNM0001 – Mobile phone.  CMNM0002 – E-mail.  CMNM0003 – Post.  CMNM0004 – Fax.  CMNM0005 – Skype  CMNM0006 – AOL Aim  CMNM0007 – Windows Live Messenger  CMNM0008 – ICQ Corp  CMNM0009 – Yahoo! Messenger  CMNM0010 – Google Talk |
| commun\_address | string | | | 200 | | 1-1 | Address string that contains contact ID in accordance with the communication method. |
| person |  | | |  | |  |  |
| person\_title | string | | | 8 | | 0-1 | Form of address:  PTTLDCTR – Dr  PTTLMRSS – Mrs  PTTLMSTR – Mr |
| person\_name | complex | | |  | | 1-1 | Customer name. Can be specified in different languages simultaneously. |
| suffix | string | | | 8 | | 0-1 | Person name suffix:  PSFXSENR – Sr.  PSFXJUNR – Jr.  PSFXFRST – I  PSFXSCND – II  PSFXTHRD – III  PSFXFRTH – IV |
| birthday | date | | |  | | 0-1 | Date of birth. |
| place\_of\_birth | string | | | 200 | | 0-1 | Place of birth described in free form. |
| gender | string | | | 8 | | 0-1 | Sex:  GNDRFEML – female  GNDRMALE – male |
| identity\_card | complex | | |  | | 0-1 | Identity card data |
| person\_name |  | | |  | |  |  |
| surname | string | | | 200 | | 1-1 | Surname |
| first\_name | string | | | 200 | | 1-1 | Name |
| second\_name | string | | | 200 | | 0-1 | Patronymic name |
| address |  | | |  | |  |  |
| address\_type | string | | | 8 | | 1-1 | Address type. Dictionary:  ADTPBSNA – Business address.  ADTPLGLA – Legal address. |
| country | string | | | 3 | | 1-1 | Country numeric ISO code. Dictionary. |
| address\_name | complex | | |  | | 1-1 | Address parameters that can be specified in different languages. |
| house | string | | | 200 | | 1-1 | House number |
| apartment | string | | | 200 | | 0-1 | Office or apartment number |
| postal\_code | string | | | 10 | | 1-1 | ZIP code |
| place\_code | string | | | 200 | | 0-1 | Place code |
| address\_name |  | | |  | |  |  |
| region | string | | | 200 | | 0-1 | Country region (oblast, state, republic) |
| city | string | | | 200 | | 1-1 | City |
| street | string | | | 200 | | 1-1 | Street |
| contract |  | | |  | |  |  |
| contract\_type | string | | | 8 | | 0-1 | Contract type. Constant: CNTPSRVP – Service provider settlement |
| product\_id | int | | | 8 | | 1-1 | Product identifier |
| contract\_number | string | | | 200 | | 1-1 | Contract unique number |
| service | complex | | |  | | 0-\* | Service data |
| account | complex | | |  | | 0-\* | Account data |
| start\_date | date | | |  | | 1-1 | Start date of the contract |
| end\_date | date | | |  | | 0-1 | Expiry date of the contract |
| Service | | | | | | | |
| service\_object | complex | | |  | | 1-\* | The element described a business object to which the service is linked to. Also contains service terms (service attributes). |
| service\_object | | | | | | | |
| attribute\_char | complex | | |  | | 0-\* | Service attribute of the string typed data. The value tag of the attribute contains the parameter ID. |
| attribute\_date | complex | | |  | | 0-\* | Service attribute of the date typed data. The value tag of the attribute contains the parameter ID. |
| attribute\_num | complex | | |  | | 0-\* | Service attribute of the number typed data. The value tag of the attribute contains the parameter ID. |
| attribute\_fee | complex | | |  | | 0-\* | Service attribute of the fee typed data. The value tag of the attribute contains the parameter ID. |
| attribute\_limit | complex | | |  | | 0-\* | Service attribute of the limit typed data. The value tag of the attribute contains the parameter ID. |
| attribute\_cycle | complex | | |  | | 0-\* | Service attribute of the cycle typed data. The value tag of the attribute contains the parameter ID. |
| attribute\_char | | | | | | | |
| attribute\_value\_char | string | | | 200 | | 1-1 | Attribute value. |
| attribute\_date | | | | | | | |
| attribute\_value\_date | date | | |  | | 1-1 | Attribute value. |
| attribute\_limit | | | | | | | |
| limit\_sum\_value | float | | |  | | 0-1 | Sum limit threshold value. |
| limit\_count\_value | int | | | 16 | | 0-1 | Quality limit threshold value. |
| currency | string | | | 3 | | 1-1 | Limit threshold currency. |
| start\_date | date | | |  | | 0-1 | Start date for the value. |
| end\_date | date | | |  | | 0-1 | End date for the value. |
| attribute\_fee | | | | | | | |
| fee\_percent\_value | int | | | 16 | | 0-1 | Fee percentage rate. |
| fee\_fixed\_value | int | | | 16 | | 0-1 | Fee fixed rate. |
| fee\_rate\_calc | string | | | 8 | | 1-1 | Fee rate calculation algorithm. Dictionary: FEEM0001 – Percentage value.  FEEM0002 – Fixed value.  FEEM0003 – Minimum between percent and fixed value.  FEEM0004 – Maximum between percent and fixed value.  FEEM0005 – Sum of percent and fixed value. |
| fee\_min\_value | long | | | 22 | | 0-1 | Fee minimum value |
| fee\_max\_value | long | | | 22 | | 0-1 | Fee maximum value |
| currency | string | | | 3 | | 1-1 | Fee currency. |
| start\_date | date | | |  | | 0-1 | Start date for the fee processing. |
| end\_date | date | | |  | | 0-1 | End date for the fee processing. |
| fee\_tier | complex | | |  | | 0-\* | Contains tiers of fee. |
| fee\_tier | | | | | | | |
| sum\_threshold | long | | | 22 | | 1-1 | Sum threshold |
| count\_threshold | int | | | 4 | | 1-1 | Count threshold |
| fee\_fixed\_value | long | | | 22 | | 0-1 | Fee fixed rate |
| fee\_percent\_value | long | | | 22 | | 0-1 | Fee percent rate |
| fee\_min\_value | long | | | 22 | | 0-1 | Fee minimum value |
| fee\_max\_value | long | | | 22 | | 0-1 | Fee maximum value |
| attribute\_cycle | | | | | | | |
| cycle\_start\_date | datetime | | |  | | 0-1 | Start date and time for cycle. |
| cycle\_length | int | | | 8 | | 0-1 | Cycle length. |
| cycle\_length\_type | string | | | 8 | | 0-1 | Cycle length type. |
| currency | string | | | 3 | | 1-1 | Cycle currency. |
| start\_date | date | | |  | | 0-1 | Start date for the cycle processing. |
| end\_date | date | | |  | | 0-1 | End date for the cycle processing. |
| account | | | | | | | |
| command | string | | | 8 | | 1-1 | Action to perform over the object. |
| account\_number | string | | | 32 | | 0-1 | Account number. |
| account\_type | string | | | 8 | | 0-1 | Account type. The ACTP dictionary. |
| account\_status | string | | | 8 | | 0-1 | Account status. |
| currency | string | | | 3 | | 1-1 | Account currency. |
| payment\_order | complex | | |  | 0-\* | | Payment order to link to account. |
| account\_object | complex | | |  | | 0-1 | The element described a business object to which the account is linked to. The object ID set in the **ref\_id** attribute. |
| payment\_order | | | | | | | |
| payment\_purpose\_id | | int | 8 | | | 1-1 | Payment purpose ID. |
| payment\_amount | | float | 22 | | | 0-1 | Payment order sum. |
| currency | | string | 3 | | | 0-1 | Currency code. |
| label | | string | 200 | | | 0-99 | Name of orders template. It must have the «language» attribute with the language constant values (LANGENG, LANGRUS, etc.). If the language is not specified then the English is used. Support this tag only if is\_payment\_order\_template is true. |
| description | | string | 2000 | | | 0-99 | Description of orders template. It must have the «language» attribute with the language constant values (LANGENG, LANGRUS, etc.). If the language is not specified then the English is used. Support this tag only if is\_payment\_order\_template is true. |
| payment\_amount\_algo | | string | 8 | | | 0-1 | Sum calculating algorithm. Dictionary. |
| payment\_date | | date |  | | | 0-1 | Date of the payment order processing. |
| is\_payment\_order\_template | | int | 1 | | | 0-1 | Payment order template flag. |
| event\_type | | string | 8 | | | 0-1 | Event of the payment order processing. Dictionary. |
| template\_status | | string | 8 | | | 0-1 | Template status. Used only when is\_payment\_order\_template is true. |
| attempt\_count | | int | 4 | | | 0-1 | Attempt count. Used only when is\_payment\_order\_template is true. |
| payment\_parameter | | complex |  | | | 0-\* | Payment order parameter. |
| account\_object | | | | | | | |
| account\_link\_flag | int | | | 1 | | 0-1 | Flag (possible values: 0 and 1). |
| payment\_parameter | | | | | | | |
| command | string | | | 8 | | 1-1 | Action to perform over the object. |
| object\_id | int | | | 16 | | 0-1 | Provider unique ID. |
| payment\_parameter\_name | string | | | 200 | | 0-1 | Payment parameter unique name. |
| data\_type | string | | | 8 | | 0-1 | Data type. Dictionary. Possible values: DTTPNMBR – Number.  DTTPDATE – Date.  DTTPCHAR – String. |
| lov\_id | int | | | 4 | | 0-1 | Possible values list ID. |
| pattern | string | | | 200 | | 0-1 | Regular expression for the parameter value checking. |
| label | string | | | 200 | | 0-99 | Service name. It must have the «language» attribute with the language constant values (LANGENG, LANGRUS, etc.). If the language is not specified then the English is used. |
| description | string | | | 2000 | | 0-99 | Service description. It must have the «language» attribute with the language constant values (LANGENG, LANGRUS, etc.). If the language is not specified then the English is used. |
| error | complex | | |  | | 0-1 | It contains data about the errors occurred on the last parent element processing. |

Provider-Host link registration

| Tag name | Data type | Length | Occurs | Description |
| --- | --- | --- | --- | --- |
| application | | | | |
| application\_number | string | 200 | 0-1 | Application unique number generated in external system. |
| application\_date | date |  | 0-1 | Application creation date in external system. |
| application\_type | string | 8 | 1-1 | Application type. Constant: ‘APTPMNO’ – Payment orders registration. |
| application\_flow\_id | int | 4 | 1-1 | Application purpose: 1402 – Host-Provider link registration. |
| application\_status | string | 8 | 1-1 | Status of the application on its creation. |
| operator\_id | string | 200 | 1-1 | System name of the user created the application. |
| institution\_id | int | 4 | 1-1 | Institution ID. |
| agent\_id | int | 8 | 0-1 | Agent ID. |
| payment\_host | complex |  | 1-1 | Describes the Host-Provider link. |
| error | complex |  | 0-1 | Contains data of the error occurred on parent element processing. |
| payment\_host | | | | |
| command | string | 8 | 1-1 | Action to perform over the object:  CMMDCREX – Create or except.  CMMDEXUP – Except or update. |
| host\_id | int | 16 | 1-1 | Host unique ID. |
| payment\_provider | complex |  | 1-1 | Description of the payment provider linked to the host. Only the object\_id is used. |
| execution\_type | string | 8 | 1-1 | Payment processing type. Словарное значение:  POETOFFL – Offline.  POETONLN – Online.  POETECCM – E-Commerce. |
| priority | int | 4 | 1-1 | Host priority set for the provider. It is used in the host selection algorithm. |
| provider\_host\_status | string | 8 | 1-1 | Provider-host link status. Dictionary article: PHST0100 – Active.  PHST0200 – Inactive. |
| error | complex |  | 0-1 | Contains data of the error occurred on parent element processing. |
| payment\_provider | | | | |
| object\_id | int | 16 | 0-1 | Provider unique ID. |
| provider\_number | string | 200 | 0-1 | Provider ID generated in the external system. |

APPLICATIONS

It is used as a root tag to transfer applications data in the file. It contains either one or several applications (the APPLICATION tag).

APPLICATION

The element represents a completed application. It is a root tag on application transfer via web service.

APPLICATION\_NUMBER

Application unique external ID. This is used to synchronize applications between SmartVista and an external system that forms them.

APPLICATION\_DATE

Date of the application creation in the external system.

APPLICATION\_TYPE

Application type. It defines the application structure and calls the application handler to create objects in the system in accordance with the application structure.

| Code | Description |
| --- | --- |
| APTPISSA | Issuing application. |
| APTPACQA | Acquiring application. |
| APTPPMNO | Payment orders. |

APPLICATION\_STATUS

Application status in which it will be created. The status influences on whether the application can be processed after loading or an additional check is required.

| Code | Description |
| --- | --- |
| APST0001 | Just created. |
| APST0002 | Awaiting confirmation. |
| APST0003 | Awaiting correction. |
| APST0004 | Awaiting checking. |
| APST0005 | Further information requested. |
| APST0006 | Awaiting processing. |
| APST0007 | Processed successfully. |
| APST0008 | Processing failed. |

APPLICATION\_FLOW\_ID

Business processes ID. It is used to register an application and defines the final tags structure (a set of mandatory fields, default values, etc.) and so describes the application purpose – action to be done as a result of the application processing.

| Code | Description |
| --- | --- |
| 1401 | Payment purpose registration. |
| 1402 | Provider-host link registration. |

OPERATOR\_ID

System name (ID) of the used created the application. It is used as an additional description for audit only.

INSTITUTION\_ID

Institution (bank, processing center) ID in SmartVista. Within the institution the application will be processed. So this is the institution in which a contract is registered for customer serving.

AGENT\_ID

Agent ID in SmartVista within the contract (account) is registered. Optional field. If tha bank does not use the customers sorting by its branches then the default value will be used.

COMMAND

Action to perform over the object described in the parent tag. It depends on the object presence in the system at the moment. Each command defines the action in both cases (found/not found). The object presence in system check use different parameters (in general, this are IDs’, objects’ unique names). List of actions is fixed, they are the dictionary articles. Possible values: create or process, create or update, create or except, update or except, remove or except, except or process.

| Code | Description |
| --- | --- |
| CMMDCREX | Create or except |
| CMMDCRPR | Create or process |
| CMMDCRUP | Create or update |
| CMMDEXPR | Except or process |
| CMMDEXRE | Except or remove |
| CMMDEXUP | Except or update |
| CMMDIGNR | Ignore |

PAYMENT\_PURPOSE

Root tag on payment purpose creation and changing. It contains the COMMAND tag that defines the operation for the payment. It can contain the OBJECT\_ID tag that contains the payment purpose ID. On payment purpose creation the OBJECT\_ID tag is ignored.

PAYMENT\_SERVICE

This describes the payment service. It is used as a child element of the PAYMENT\_PURPOSE. It must contain the command (COMMAND), action over the object. It may contain the OBJECT\_ID tag to point the existed service.

LABEL

Service name in different languages.

SHORT\_NAME

Service short name in English

DESCRIPTION

Service description in different languages.

DIRECTION

Fund direction:

-1 – from customer

1 – to customer

PAYMENT\_PROVIDER

It describes the payment provider. It can be a child tag for the PAYMENT\_PURPOSE and PAYMENT\_HOST. If the PAYMENT\_PROVIDER is a child tag for the PAYMENT\_PURPOSE then it describes a payment provider creation or changing.

If this tag is a part of the PAYMENT\_HOST then it is used as a pointer to the existed provider. In this case the OBJECT\_ID tag is mandatory and the others tags that are child for the PAYMENT\_PROVIDER are ignored.

LABEL

Provider name in different languages.

SHORT\_NAME

Provider short name in English.

DESCRIPTION

Provider description in different languages.

REGION\_CODE

Provider region code.

PAYMENT\_PARAMETER

It describes a payment purpose parameter. This is a child tag for the PAYMENT\_PURPOSE.

Before an action the parameter presence is checked by its ID (if there is the OBJECT\_ID tag) and/or name. In case of the search by name then the data type is checked. If they are different then the system generates an error.

PAYMENT\_PARAMETER\_NAME

Payment purpose parameter unique name.

DATA\_TYPE

Payment parameter data type. Dictionary value:

| Code | Description |
| --- | --- |
| DTTPNMBR | Number |
| DTTPDATE | Date |
| DTTPCHAR | String |

LOV\_ID

ID of List Of Values – List of possible values for a parameter.

PATTERN

Regular expression to check the payment parameter value accordance to a pattern.

LABEL

Parameter name in different languages.

DESCRIPTION

Parameter description in different languages.

PAYMENT\_HOST

This describes the host and the host-payment parameter link. The APPLICATION tag is used as a parent one. It is used in the «Host-provider link registration» process (APPLICATION\_FLOW\_ID = 1402). In this case the PAYMENT\_PURPOSE and its children tags are ignored. In other cases the PAYMENT\_HOST should be ignored.

HOST\_ID

It points to the host ID.

PAYMENT\_PROVIDER

This point to the payment provider. The payment provider ID is stored in the OBJECT\_ID child tag.

EXECUTION\_TYPE

Payment order processing type on the host. Dictionary value:

| Code | Description |
| --- | --- |
| POETOFFL | Offline |
| POETONLN | Online |
| POETECCM | E-Commerce |

PRIORITY

Number that defines the priority of the host selection for the provider payment processing.

OBJECT\_ID

The Object ID in the system. It can be a child element for the existed tags: PAYMENT\_PURPOSE, PAYMENT\_PROVIDER, PAYMENT\_SERVICE, PAYMENT\_PARAMETER.

LABEL

This is a multilingual tag that contains an object name. There can be several tags in different languages. It requires the LANGUAGE attribute with the following possible values:

| Code | Description |
| --- | --- |
| LANGENG | English |
| LANGRUS | Russian |

It can have the following parent tags: PAYMENT\_SERVICE, PAYMENT\_PROVIDER, PAYMENT\_PARAMETER.

SHORT\_NAME

This is a short name of the object in English. It can be a child element foe the following: PAYMENT\_SERVICE, PAYMENT\_PROVIDER.

DESCRIPTION

The same as the LABEL tag but can contain up to 2000 symbols. It contains description of the parent object.