SMARTVISTA MAPPING DESCRIPTION

SVXP to Currency rate

January 2015

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1. PREFACE
   1. Revision history

| Revision | Date | Author | Details |
| --- | --- | --- | --- |
| 1.0 | 15.01.2015 | Maslov I. | Initial version |
| 1.1 | 11.08.2017 | Gogolev I. | Added tag DF8482 in section 3 |

* 1. Document purpose

This document describe mapping of filed form svxp standard to svfe currency rate standard. This document developed for internal use of BPC.

* 1. Fundamental documents

“SMARTVISTA FRONT END Currency Rate file format” version 2R10 form 23.03.2012

“SMARTVISTA EXCHANGE PROTOCOL (SVXP) API developer reference” version 7.0 from 11.12.2014

“STANDARD SMARTVISTA COMMON ALGORITHMS” version 2R321 from 13.01.2012

1. Rules for BER-TLV Data Objects

All exchange files due to contain Applications FF45 – File Header and FF46 – File Trailer.

DF805D tags contain consistent and unique values. DF805D uniqueness within a single application (lines).

* 1. FF45 – Application File Header

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tag** | **Length** | **Description** | **Optional / mandatory** | **SVXP/comment** |
| DF805D | Sequence | X | M |  |
| FF49 | File Header Block | X | M |  |

* + 1. FF49 – File Header Block

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tag** | **Length** | **Description** | **Optional / mandatory** | **SVXP/comment** |
| DF805D | Sequence | X | M |  |
| DF807D | File Type | X | M | FTYPCCR |
| DF807C | File Date | X | M | Sysdate |
| DF8079 | Institution Number | X | M | 9999 |
| DF807A | Agent Code | X | O |  |

* 1. FF46 – Application File Trailer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tag** | **Length** | **Description** | **Optional / mandatory** | **SVXP/comment** |
| DF805D | Sequence | X | M |  |
| FF4A | File Trailer Block | X | M |  |

* + 1. FF4A – File Trailer Block

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tag** | **Length** | **Description** | **Optional / mandatory** | **SVXP/comment** |
| DF805D | Sequence | X | M |  |
| DF807E | Number of records | X | M | Count record with header and trailer |
| DF8060 | CRC | X | O |  |

1. Currency rate
   1. FFFF18 – Application Currency Rates

|  |  |  |  |
| --- | --- | --- | --- |
| **Tag** | **Length** | **Description** | **Optional / mandatory** |
| FF8023 | NN | Rate Block | M |
| FF8024 | NN | Rate Inst Data Block | M |

Block FF8024 present twice. One block for Source and other for Destination.

* + 1. FF8023 – Rate Block

This block should repeated as many times as there is block currency\_rates/currency\_rate

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tag** | **Description** | **Picture** | **Optional / mandatory** | **SVXP/Comments** |
| DF805D | Sequence | X | M |  |
| DF8230 | Conversion Date (MMDDYYYY) | X | M | currency\_rates/currency\_rate/effective\_date |
| DF8231 | Conversion Time (HHMMSS) | X | M | currency\_rates/currency\_rate/effective\_date |
| DF8232 | Multiple flag:  M – Source to Destination  D – Destination to Source | X | M | M |
| DF8233 | Comma position | 9 | M | Position of comma in Rate (from right side) |
| DF8234 | Conversion Rate | 9 | M | Rate – without comma |
| DF8482 | Exchange rate type | X | O | currency\_rates/currency\_rate/rate\_type |

* + 1. FF8024 – Rate Inst Data Block

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tag** | **Description** | **Picture** | **Optional / mandatory** | **SVXP/Comments** |
| DF805D | Sequence | X | M |  |
| DF8235 | Institution ID | X | M | 9999 |
| DF8034 | Currency Code | X | M | currency\_rates/ currency\_rate/src\_currency/currency  currency\_rates/ currency\_rate/dst\_currency/currency |
| DF822F | Direction type:  CURRSOUR – Source;  CURRDEST – Destination; | X | M | For currency from src\_currency – CURRSOUR  Other CURRDEST |