

**SalesWorks*®* Enterprise**

**System**

**Data Import/Export from/to XML files**

**to\from Central Database**

**Subsystem Specification**

Protocol Exchange Version

2.37

SoftServe, Inc

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**Table of contents**

[**1.** **Vocabluary** 3](#_Toc118286183)

[**2. XML import file specifications** 5](#_Toc118286184)

[2.1. ArchivedStocks.xml 5](#_Toc118286185)

[2.2. Denials.xml 6](#_Toc118286186)

[2.3. LocalProducts.xml 9](#_Toc118286187)

[2.4. OutletDebts.xml 11](#_Toc118286188)

[2.5. Discounts.xml 15](#_Toc118286189)

[2.6. Outlets.xml 17](#_Toc118286190)

[2.7. ParentCompanies.xml 21](#_Toc118286191)

[2.8. SalIns.xml 24](#_Toc118286192)

[2.9. SalOuts.xml 27](#_Toc118286193)

# **Vocabluary**

|  |  |
| --- | --- |
| Term | Description |
| DTLM | A last data/time record modification on DB source (AS).  If data is not available, use the file creation date. This dates are used for tracking the recor modification in yyyymmdd hh:mm format.  Example - 20180828 12:35. |
| MERCH\_ID | A numerical identifier for SR (Sales Representative), assigned when creating on Sales Works.  It has to be compared to the agent directory in a distributor system and uploaded with OWNER\_ID and MERCH\_ID attributes. It is used when sharing the information using internal SR codes from Sales Works. |
| MERCH\_CODE | An external org structure code (Sales Representative) in the distributor’s system. Used to exchange the information using the external SR codes from distributor accounting system. |
| PAYFORM\_ID | A numerical identifier that is being assigned to the payment form when creating on Sales Works. It has to be compared to payment forms (price lists) directory at the distributor accounting system and uploaded with the PAYFORM\_ID attributes.  It is used when exchanging the information using the internal codes for payment forms from Sales Works. |
| PAYF\_CODE | Payment form external code in a distributor accounting system. Used for information exchanging using the external codes from payment forms on distributor AS. |
| CUST\_ID | Sync point identifier (a platform/affiliate/warehouse code, where the integration of SalesWorks with distributor accounting system is being provided).  CUST\_ID is being reported while the implementation phase. |
| STATUS | The current record state can be a value from 2 for an active record to 9 for marked as to be erased. |
| WAREH\_CODE | Unique and case insensitive (which means the aAa and AAA meanings are equal) code of warehouse (including VAN’s) with leftovers, on a distributor accounting system. |

|  |  |
| --- | --- |
| Column name | XML |
| Key | CDB key margins |
| Margin | Attribute name  (case-sensitive) |
| Type (XML data) | XML data type |
| SQL data type |  |
| Length | SQL data type |
| Description | Attribute description |
| Required field | Yes – is obligatory to be filled in  No – the attribute is entirely optional  (default) |

# **2. XML import file specifications**

## ArchivedStocks.xml

Data on archived leftovers.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Attribute | XML data type | SQL data type | Description | Required field |
| **<** **ArchivedLocalStocks> tag contains information about specified leftovers on defined date.** | | | | | |
| PK | WAREH\_CODE | string | VARCHAR(75) | external warehouse code | Yes |
| PK | LOCALCODE | string | VARCHAR(20) | external product code | Yes |
| PK | LOT\_ID | string | VARCHAR(20) | production lot identifier | Yes |
| PK | DATE | dateTime | DATE | leftovers calculation date | Yes |
|  | STOCK | decimal | NUMERIC(14,3) | leftover | Yes |
| PK, FK | Cust\_Id | int | INT | sync point identifier | Yes |

File structure example:

<?xml version="1.0" encoding="utf-8"?>

<ROOT>

< ArchivedLocalStocks>

< ArchivedLocalStock WAREH\_CODE="str1234" LOCALCODE="str1234" LOT\_ID="str1234" DATE="2012-12-13T12:12:12" STOCK="123.45" CUST\_ID="22" />

< ArchivedLocalStock WAREH\_CODE="str2568" LOCALCODE="str2345" LOT\_ID="str1234" DATE="2012-12-13T12:12:12" STOCK="100" CUST\_ID="22" />

</ArchivedLocalStocks>

</ROOT>

* <ArchivedLocalStock> tag contains information about specific leftovers on defined date.
* <ArchivedLocalStocks> tag contains information about archived leftovers on accounting system.

## Denials.xml

Denials reasons data according to orders and order details.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Attribute | XML data type | SQL data type | Description | Required field |
| **<OutletOrderHDenial> tag contains information about denial reason for specific SalesWorks order.** | | | | | |
| PK, FK | ORDER\_NO | long | LONG | SalesWorks order number | Yes |
| PK, FK | DENIAL\_ID | int | INT | denial reason identifier | No  (default="0") |
|  | STATUS | unsignedByte | INT | status (2-active, 9-inactive) | Yes |
| PK, FK | CUST\_ID | int | INT | sync point identifier | Yes |
| **<OutletOrderDDenial> tag contains information about denial reason for specific product position on Sales Works order.** | | | | | |
| PK, FK | ORDER\_NO | long | LONG | SalesWorks order number | Yes |
| PK, FK | CODE | string | VARCHAR(20) | product code | Yes |
| PK, FK | DENIAL\_ID | int | INT | denial reason identifier | No  (default="0") |
|  | STATUS | unsignedByte | INT | Status (2-active, 9-inactive) | Yes |
| PK, FK | CUST\_ID | int | INT | Sync point identifier | Yes |
| **<OrderHDenial> tag contains information about denial reason for specific order on accounting system.** | | | | | |
| PK, FK | CORDER\_NO | string | VARCHAR(58) | order number on accounting system | Yes |
| PK, FK | DENIAL\_ID | int | INT | denial reason identifier | No  (default="0") |
|  | STATUS | unsignedByte | INT | status (2-active, 9-inactive) | Yes |
| PK, FK | CUST\_ID | int | INT | sync point identifier | Yes |
| **<OrderDDenial> tag contains information about denial reason for specific product position in the order on accounting system (global product coding).** | | | | | |
| PK, FK | CORDER\_NO | string | VARCHAR(58) | order number on accounting system | Yes |
| PK, FK | CODE | string | VARCHAR(20) | product code | Yes |
| PK, FK | DENIAL\_ID | int | INT | denial reason identifier | No  (default="0") |
|  | STATUS | unsignedByte | INT | status (2-active, 9-inactive) | Yes |
| PK, FK | CUST\_ID | int | INT | sync point identifier | Yes |

File structure example:

<?xml version="1.0" encoding="utf-8"?>

<ROOT>

<OutletOrderDenials>

<OutletOrderHDenials>

<OutletOrderHDenial ORDER\_NO="12345" DENIAL\_ID="123" STATUS="2" CUST\_ID="22" />

</OutletOrderHDenials>

<OutletOrderDDenials>

<OutletOrderDDenial ORDER\_NO="12345" CODE="str1234" DENIAL\_ID="123" STATUS="2" CUST\_ID="22" />

</OutletOrderDDenials>

</OutletOrderDenials>

<OrderDenials>

<OrderHDenials>

<OrderHDenial CORDER\_NO="str1234" DENIAL\_ID="123" STATUS="2" CUST\_ID="22" />

</OrderHDenials>

<OrderDDenials>

<OrderDDenial CORDER\_NO="str1234" CODE="str1234" DENIAL\_ID="123" STATUS="2" CUST\_ID="22" />

</OrderDDenials>

</OrderDenials>

</ROOT>

* <OutletOrderDenials> tag contains information about denial reasons for SalesWorks orders.
* <OutletOrderHDenials> tag contains information о about denial reasons for SalesWorks orders.
* <OutletOrderHDenial> tag contains information about denial reasons for specific SalesWorks order.
* <OutletOrderDDenials> tag contains information about denial reasons for SalesWorks orders according to a product list.
* <OutletOrderDDenial> tag contains information about denial reasons for specific product position at SalesWork order.
* <OrderDenials> tag contains information about denial reasons for accounting system orders.
* <OrderHDenials> tag contains information about denial reasons for accounting system orders.
* <OrderHDenial> tag contains information about denial reason for specific order on accounting system.
* <OrderDDenials> tag contains information about denial reasons for account system order according to products (global products coding).
* <OrderDDenial> tag contains information about denial reason for specific product position from an order made in accounting system (global product coding).

## LocalProducts.xml

Data on local products and mix components.

Import of information about local products and their bindings to the global manufacturer's encoding.

To account for products in the accounting system of the Distributor, there must be a NOMENCLATURE directory.

In the case when the NOMENCLATURE directory of the Distributor's Accounting System contains the attribute unique manufacturer's product code (Global code), the condition of linking Global codes to Local codes as "one-to-one" must be observed. Current product guide.

Only Kimberly products need to be unloaded.

Details of mixes of local products. (LocalProductDetail tag)

A mix product (reel) is a new product formed by the distributor independently from several manufacturer's products. If the distributor does not create mixes (reels) of goods, the LocalProductDetail tag does not need to be uploaded.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key** | **Attribute** | **Data type XML** | **SQL data type** | **Description** | **Required field** |
| **<LocalProduct> the tag contains information about a specific product in local encoding.** | | | | | |
| PK | LOCALCODE | string | VARCHAR(20) | local product code | Yes |
| FK | CODE | string | VARCHAR(20) | global product code | Yes |
|  | NAME | string | VARCHAR(50) | product name | Yes |
|  | SHORTNAME | string | VARCHAR(50) | short product name | Yes |
|  | WEIGHT | decimal | NUMERIC (11,5) | unit weight | Yes |
|  | PACK\_QTY | decimal | NUMERIC(14,3) | number of product units in a package | Yes |
|  | ISMIX | boolean | BOOL | a checkbox that indicates whether or not the product is a mix | Yes |
|  | STATUS | unsignedByte | TINYINT | Status (2-active, 9-inactive) | Yes |
|  | DTLM | string | VARCHAR(14), дата в формате yyyymmdd hh:mm | The date and time the entry was modified. | Yes |
| FK | CUST\_ID | int | INT | Synchronization point ID | Yes |
| **<LocalProductDetail> the tag contains information about a specific mix component in local encoding.** | | | | | |
| PK, FK | COMPCODE | string | VARCHAR(20) | component code (local encoding) | Yes |
|  | COMPQTY | decimal | NUMERIC(14,3) | the number of mix components | Yes |
|  | PERCENTAGE | decimal | NUMERIC(6,2) | proportion of the mix component, % | Yes |
|  | STATUS | unsignedByte | TINYINT | Status (2-active, 9-inactive) | Yes |
|  | DTLM | string | VARCHAR(14), дата в формате yyyymmdd hh:mm | The date and time the entry was modified. | Yes |
| FK | CUST\_ID | int | INT | Synchronization point ID | Yes |

File structure example:

<?xml version="1.0" encoding="utf-8"?>

<ROOT>

<LocalProducts>

<LocalProduct LOCALCODE="str1234" CODE="str1234" NAME="str1234" SHORTNAME="str1234" WEIGHT="123.45" PACK\_QTY="123.45" ISMIX="1" DTLM="20151212 12:12" STATUS="2" CUST\_ID="22">

<LocalProductDetails>

<LocalProductDetail COMPCODE="str1234" PERCENTAGE="123.45" COMPQTY="123.45" DTLM="20151212 12:12" STATUS="22" CUST\_ID="22" />

</LocalProductDetails>

</LocalProduct>

</LocalProducts>

</ROOT>

* <LocalProducts> tag contains information about local products from the accounting system.
* <LocalProduct> tag contains information about a specific product in local encoding.
* <LocalProductDetails> tag contains information about local mix components.
* <LocalProductDetail> tag contains information about a specific mix component in local encoding.

## OutletDebts.xml

Data on outlet debts.

SWE database data:

* *tblOutletDebts*
* *tblOutletDebtsDetails*

XML scheme - OutletDebts.xsd

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Attribute | XML data type | SQL data type | Description | Obligatory field |
| **<OutletDebt> tag contains information about debts in specific outlet.** | | | | | |
|  | DEBT | decimal | NUMERIC(19,2) | Document sum | Yes |
| PK, FK | OL\_CODE | string | NVARCHAR(75) | Outlet external code for which the order is formalized | Yes |
|  | PAYDATE | dateTime | DATE | Last payment date |  |
|  | CANSALE | boolean | BOOL | Indicator of whether sale is permitted | Yes |
|  | AVG\_AMOUNT | decimal | NUMERIC(9,2) | Order average amount | Yes |
|  | DETAILS1 | string | VARCHAR(50) | Outlet sales and payments detail information | No  (default="") |
|  | DETAILS2 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS3 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS4 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS5 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS6 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS7 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS8 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS9 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS10 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS11 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS12 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS13 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS14 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS15 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS16 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS17 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS18 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS19 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS20 | string | VARCHAR(50) | Outlet sales and payments detail information | No (default="") |
|  | DETAILS | string | VARCHAR(4096) |  | No (default="") |
|  | MAXDEBT | decimal | NUMERIC(18,2) | Debts limit, sum | No (default="0") |
|  | MAXDELAY | int | INT | Delay, days | No (default="0") |
|  | D\_OVERDUE | decimal | NUMERIC(18,2) | Overdue delay, sum | No (default="0") |
|  | CURR\_DELAY | Numeric | 11 | Debts, days | No (default="0") |
|  | D\_OV\_DELAY | int | INT | Overdue delay, days | No (default="0") |
|  | STATUS | unsignedByte | TINYINT | Status (2-active, 9-inactive) | Yes |
|  | DTLM | string | VARCHAR(14), date in format yyyymmdd hh:mm | Date and time of entry last modification in SWE database | Yes |
| FK | CUST\_ID | int | INT | Sync point identifier | Yes |
|  | PCOMP\_CODE | Character | 75 | Legal entity external code | No (default="0") |
| **<OutletDebtsDetail> tag contains information about outlets debts in the documents context.** | | | | | |
| PK | INVOICE\_NO | string | VARCHAR(58) | Invoice number | No (default="") |
| PK, FK | DEBTYPCODE | string | VARCHAR(20) | Debts type | Yes |
|  | MERCH\_ID | int | INT | Sales agent identifier.  MERCH\_ID import is proceeded provided that MERCH\_ID != 0 | No (default="-2") |
|  | MERCH\_CODE | string | VARCHAR(50) | Sales agent external code of the sales agent.  MERCH\_CODE import is proceeded provided that MERCH\_ID = 0 or MERCH\_ID is absent | No (default="") |
|  | DEBT | decimal | NUMERIC(16,2) | Debt amount | Yes |
|  | DATE | dateTime | DATE | Debt date | Yes |
|  | COMMENT | string | VARCHAR(50) | Comment | Yes |
|  | QTY | decimal | NUMERIC(14,3) | Products quantity | Нет  (default="0") |
|  | D\_OVERDUE | decimal | NUMERIC(16,2) | Overdue delay | Yes |
|  | D\_OV\_DELAY | int | INT | Overdue delay, days | No  (default="0") |
|  | DOCUMENT | string | VARCHAR(58) | Debt basis document | No  (default="") |
|  | STATUS | unsignedByte | TINYINT | Status (2-active, 9-inactive) | Yes |
|  | DTLM | string | VARCHAR(14), дата в формате yyyymmdd hh:mm | Date and time of entry last modification in SWE database | Yes |
| FK | CUST\_ID | int | INT | Sync point identifier | Yes |

File structure example:

<?xml version="1.0" encoding="utf-8"?>

<ROOT>

<OutletDebts>

<OutletDebt OL\_CODE="str1234" DEBT="123.45" PAYDATE="2012-12-13T12:12:12" CANSALE="1" AVG\_AMOUNT="123.45" DETAILS1="str1234" DETAILS2="str1234" DETAILS3="str1234" DETAILS4="str1234" DETAILS5="str1234" DETAILS6="str1234" DETAILS7="str1234" DETAILS8="str1234" DETAILS9="str1234" DETAILS10="str1234" DETAILS11="str1234" DETAILS12="str1234" DETAILS13="str1234" DETAILS14="str1234" DETAILS15="str1234" DETAILS16="str1234" DETAILS17="str1234" DETAILS18="str1234" DETAILS19="str1234" DETAILS20="str1234" DETAILS="str1234" DTLM="20151212 12:12" MAXDEBT="123.45" MAXDELAY="123" D\_OVERDUE="123.45" D\_OV\_DELAY="123" STATUS="2" CUST\_ID="22" PCOMP\_CODE="11" >

<OutletDebtsDetails>

<OutletDebtsDetail INVOICE\_NO="str1234" DEBTYPCODE="str1234" MERCH\_ID="123" MERCH\_CODE="str1234" DEBT="123.45" DATE="2012-12-13T12:12:12" COMMENT="str1234" STATUS="5" DTLM="20151212 12:12" QTY="123.45" D\_OVERDUE="123.45" D\_OV\_DELAY="123" DOCUMENT="str1234" CUST\_ID="22" />

</OutletDebtsDetails>

</OutletDebt>

</OutletDebts>

</ROOT>

* + <OutletDebts> tag contains information about outlet debt from accounting system.
  + <OutletDebt> tag contains information about specific outlet debt.
  + <OutletDebtsDetails> tag contains information about details of outlet debts.
  + <OutletDebtsDetail> tag contains information about outlets debts in the documents context.

## Discounts.xml

Discount data for retail outlets.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key** | **Attribute** | **XML data type** | **SQL data type** | **Description** | **Obligatory field** |
| **<OutletDiscount> the tag contains information about the discount percentage for a particular outlet.** | | | | | |
| FK | OL\_CODE | string | NVARCHAR(50) | outlet code | Yes |
| FK | PCOMP\_CODE | string | VARCHAR(75) | Legal entity code | No |
|  | DISCOUNT | decimal | NUMERIC(9,2) | discount amount for TT | Yes |
|  | STATUS | unsignedByte | TINYINT | status (2-active, 9-inactive) | Yes |
|  | DTLM | string | VARCHAR(14), дата в формате yyyymmdd hh:mm | The date and time the entry was modified. | Yes |
| PK, FK | CUST\_ID | int | INT | Synchronization point ID | Yes |
| **<OutletDiscountByProducts> тег содержит информацию о скидке для конкретной ТТ на определенную продукцию.** | | | | | |
| FK | OL\_CODE | string | NVARCHAR(50) | outlet code | Yes |
| FK | PCOMP\_CODE | string | VARCHAR(75) | Legal entity code | Нет |
| FK | CODE | string | VARCHAR(20) | external product code | Yes / No  (default="") |
| FK | LOCALCODE | string | VARCHAR(20) | local product code | No / Yes  (default="") |
|  | DISCOUNT | decimal | DECIMAL(9,2) | discount amount for TT | Yes |
|  | STATUS | unsignedByte | TINYINT | status (2-active, 9-inactive) | Yes |
|  | DTLM | string | VARCHAR(14), дата в формате yyyymmdd hh:mm | The date and time the entry was modified. | Yes |
| PK, FK | CUST\_ID | int | INT | Synchronization point ID | Yes |

File structure example:

<?xml version="1.0" encoding="utf-8"?>

<ROOT>

<OutletDiscounts>

<OutletDiscount OL\_CODE="str1234" PCOMP\_CODE="str1234" DISCOUNT="123.45" DTLM="20151212 12:12" STATUS="2" CUST\_ID="22" />

<OutletDiscount OL\_CODE="str1235" PCOMP\_CODE="str1234" DISCOUNT="123.45" DTLM="20151212 12:12" STATUS="2" CUST\_ID="22" />

</OutletDiscounts>

<OutletDiscountsByProducts>

<OutletDiscountByProducts OL\_CODE="str1234" PCOMP\_CODE="str1234" CODE="str1234" LOCALCODE="str1234" DISCOUNT="123.45" DTLM="20151212 12:12" STATUS="2" CUST\_ID="22" />

<OutletDiscountByProducts OL\_CODE="str1234" PCOMP\_CODE="str1234" CODE="str1234" LOCALCODE="str1235" DISCOUNT="123.45" DTLM="20151212 12:12" STATUS="2" CUST\_ID="22" />

</OutletDiscountsByProducts>

</ROOT>

* <OutletDiscounts> the tag contains information about discounts for outlets.
* <OutletDiscount> the tag contains information about the discount percentage for a particular outlet.
* <OutletDiscountsByProducts> the tag contains information about item discounts for outlets
* <OutletDiscountByProducts> the tag contains information about the discount for a specific Outlet for a specific product.

## Outlets.xml

Outlets data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Attribute | XML data type | SQL data type | Description | Obligatory field |
| **<Outlet> tag contains information about specific outlet.** | | | | | |
| PK | OL\_ID | long | BIGINT | Outlet identifier | Yes |
| FK | SUBTYPE\_ID | int | INT | Outlet subtype identifier | Yes |
| FK | AREA\_ID | int | INT | Geographic entity identifier (district level) | Yes |
| FK | OWNER\_ID | int | INT | Outlet owner identifier. 0 if not defined | Yes |
|  | MERCH\_CODE | string | VARCHAR(50) | Sales agent external code | Нет  (default="") |
|  | PCOMP\_CODE | string | VARCHAR(75) | Legal entity identifier | Нет  (default="") |
| PK | OL\_CODE | string | NVARCHAR(50) | Outlet external code | Yes |
|  | NAME | string | VARCHAR(254) | Outlet legal name. ‘-’, if not defined. | Yes |
|  | TRADE\_NAME | string | VARCHAR(254) | Outlet actual name. ‘-’, if not defined. | Yes |
|  | DIRECTOR | string | VARCHAR(50) | Outlet director. ‘-’, if not defined. | Yes (“-”) |
|  | ADDRESS | string | VARCHAR(254) | Outlet legal address. ‘-’, if not defined. | Yes |
|  | DELIV\_ADDR | string | VARCHAR(254) | Actual delivery address. ‘-’, if not defined. | Yes |
|  | TELEPHONE | string | VARCHAR(20) | Outlet telephone number. ‘-’, if not defined. | Yes (“-”) |
|  | FAX | string | VARCHAR(20) | Outlet fax. ‘-’, if not defined. | Yes (“-”) |
|  | EMAIL | string | VARCHAR(50) | Outlet e-mail. ‘-’, if not defined. | Yes (“-”) |
|  | ACCOUNTANT | string | VARCHAR(50) | Outlet accountant. ‘-’, if not defined. | Yes (“-”) |
|  | ACC\_PHONE | string | VARCHAR(20) | Outlet accountant telephone number. ‘-’, if not defined | Yes (“-”) |
|  | M\_MANAGER | string | VARCHAR(50) | Outlet goods manager . ‘-’, if not defined. | Yes (“-”) |
|  | MM\_PHONE | string | VARCHAR(20) | Outlet goods manager telephone number. ‘-’, if not defined. | Yes (“-”) |
|  | P\_MANAGER | string | VARCHAR(50) | Outlet manager. ‘-’, if not defined. | Yes (“-”) |
|  | OPEN\_TIME | string | VARCHAR(5) | Outlet opening hours in format ‘hh:mm’. By default ’00:00’. | Yes (“00:00”) |
|  | CLOSE\_TIME | string | VARCHAR(5) | Outlet closing hours in format ‘hh:mm’. By default ’00:00’. | Yes (“00:00”) |
|  | BREAK\_FROM | string | VARCHAR(5) | Break start in format ‘hh:mm’. By default ’00:00’. | Yes (“00:00”) |
|  | BREAK\_TO | string | VARCHAR(5) | Break end in format ‘hh:mm’. By default ’00:00’. | Yes (“00:00”) |
|  | ZKPO | string | VARCHAR(20) | Enterprise code (Russian Business and Organization Classification). ‘-’, if not defined. | Yes (“-”) |
|  | IPN | string | VARCHAR(20) | Taxpayer Identification Numbers (TIN). ‘-’, if not defined. | Yes (“-”) |
|  | VATN | string | VARCHAR(20) | VAT payer identifier. ‘-’, if not defined. | Yes (“-”) |
|  | RR | string | VARCHAR(34) | Payment account. ‘-’, if not defined. | Yes (“-”) |
|  | BANKCODE | string | VARCHAR(20) | Bank code. ‘-’, if not defined. | Yes (“-”) |
|  | BANKNAME | string | VARCHAR(50) | Bank name. ‘-’, if not defined. | Yes (“-”) |
|  | BANKADDR | string | VARCHAR(50) | Bank address. ‘-’, if not defined. | Yes (“-”) |
|  | CONTR\_NUM | string | VARCHAR(50) | Contract number | No  (default="") |
|  | CONTR\_DATE | dateTime | DATE | Contract start date | No  (default="1899-12-30T00:00:00") |
|  | DC\_ALLOW | unsignedByte | TINYINT | Features of joint outlet availability | No  (default="0") |
|  | OLDISTCENT | string | NVARCHAR(25) | Joint outlet | No  (default="") |
|  | OLDISTSHAR | decimal | NUMERIC(7,3) | Distribution specific gravity | No  (default="0") |
|  | DC\_DELIVER | boolean | BOOL | Delivery to joint outlet | No  (default="0") |
|  | DC\_PAYER | boolean | BOOL | Joint outlet payer | No  (default="0") |
|  | LIC\_USAGE | unsignedByte | TINYINT | License control | Yes |
|  | CNTR\_DT\_F | dateTime | DATE | Contract expiry date | No  (default="1899-12-30T00:00:00") |
|  | STATUS | unsignedByte | TINYINT | Status (0-New, 1- Planned, 2-Active, 3-Seasonal, 4-Reserve, 9-Inactive) | Yes |
|  | DTLM | string | VARCHAR(14), date in format yyyymmdd hh:mm | Date and time of entry last modification in SWE database. | Yes |
| FK | CUST\_ID | int | INT | Sync point identifier | Yes |

File structure example:

<?xml version="1.0" encoding="UTF-8"?>

<ROOT>

<Outlets>

<Outlet OL\_ID="0" SUBTYPE\_ID="11" AREA\_ID="5" OWNER\_ID="0" MERCH\_CODE="str1234" OL\_CODE="23601\_344" NAME="1" TRADE\_NAME="11" DIRECTOR="-" ADDRESS="111" DELIV\_ADDR="1111" TELEPHONE="63624362" FAX="63624602" EMAIL="gaisma@inbox.lv" ACCOUNTANT="lm-" ACC\_PHONE="-" M\_MANAGER="Biruta" MM\_PHONE="-" P\_MANAGER="-" ZKPO="-" IPN="41203006327" VATN="LV41203006327" RR="-" BANKCODE="-" BANKNAME="-" BANKADDR="-" CONTR\_NUM="" CONTR\_DATE="2014-11-13T04:30:19.657" DTLM="20141208 17:00" STATUS="2" DC\_ALLOW="0" OLDISTSHAR="0.000" DC\_DELIVER="0" DC\_PAYER="0" LIC\_USAGE="0" CNTR\_DT\_F="2014-11-13T04:30:19.673" OPEN\_TIME="20:00" CLOSE\_TIME="04:00" BREAK\_FROM="10:00" BREAK\_TO="10:00" CUST\_ID="22"/>

<Outlet OL\_ID="0" SUBTYPE\_ID="11" AREA\_ID="5" OWNER\_ID="0" OL\_CODE="23601\_345" NAME="2" TRADE\_NAME="22" DIRECTOR="-" ADDRESS="222" DELIV\_ADDR="2222" TELEPHONE="29613906" FAX="7951659" EMAIL="" ACCOUNTANT="-" ACC\_PHONE="-" M\_MANAGER="Gunta" MM\_PHONE="-" P\_MANAGER="-" ZKPO="-" IPN="40003805647" VATN="LV40003805647" RR="-" BANKCODE="-" BANKNAME="-" BANKADDR="-" CONTR\_NUM="" CONTR\_DATE="2014-11-13T04:30:19.657" DTLM="20141208 17:00" STATUS="2" DC\_ALLOW="0" OLDISTSHAR="0.000" DC\_DELIVER="0" DC\_PAYER="0" LIC\_USAGE="0" CNTR\_DT\_F="2014-11-13T04:30:19.673" OPEN\_TIME="20:00" CLOSE\_TIME="04:00" BREAK\_FROM="10:00" BREAK\_TO="10:00" CUST\_ID="22"/>

</Outlets>

</ROOT>

* <Outlets> tag contains information about outlets.
* <Outlet> tag contains information about specific outlet.

## ParentCompanies.xml

Legal entity data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Attribute | XML data type | SQL data type | Description | Obligatory field |
| **<ParentCompany> tag contains information about specific legal entity.** | | | | | |
| PK | PCOMP\_CODE | string | VARCHAR(75) | External code | Yes |
|  | PC\_NAME | string | VARCHAR(50) | Legal entity | Yes |
|  | PC\_ADDR | string | VARCHAR(80) | Address | No  (default="") |
|  | PC\_ZKPO | string | VARCHAR(20) | Enterprise code (Russian Business and Organization Classification). | No  (default="") |
|  | PC\_TAX\_NUM | string | VARCHAR(20) | Registration number. | No  (default="") |
|  | PC\_VAT\_NUM | string | VARCHAR(20) | VAT-payer number. | No  (default="") |
|  | PC\_B\_NAME | string | VARCHAR(80) | Bank name | No  (default="") |
|  | PC\_B\_MFO | string | VARCHAR(20) | Sort code | No  (default="") |
|  | PC\_B\_ACC | string | VARCHAR(34) | Calculated bill | No  (default="") |
|  | PC\_DIRECT | string | VARCHAR(50) | Director | No  (default="") |
|  | PC\_PHONE | string | VARCHAR(20) | Telephone number | No  (default="") |
|  | PC\_FAX | string | VARCHAR(20) | Fax | No  (default="") |
|  | PC\_EMAIL | string | VARCHAR(50) | E-mail | No  (default="") |
|  | PC\_ACCOUNT | string | VARCHAR(50) | Accountant | No  (default="") |
|  | PC\_ACC\_PH | string | VARCHAR(20) | Accountant telephone number | No  (default="") |
|  | PC\_MMANAG | string | VARCHAR(50) | Goods manager | No  (default="") |
|  | PC\_MM\_PH | string | VARCHAR(20) | Goods manager phone number | No  (default="") |
|  | PC\_PMANAG | string | VARCHAR(50) | Manager | No  (default="") |
|  | STATUS | unsignedByte | TINYINT | Status (2 - active, 9 - inactive) | Yes |
|  | PC\_SH\_NAME | string | NVARCHAR(100) | Legal entity short name | No  (default="") |
|  | PC\_PT\_ADDR | string | NVARCHAR(250) | Legal entity e-mail | No  (default="") |
|  | PC\_OGRN | string | NVARCHAR(20) | Primary State Registration Number | No  (default="") |
|  | PC\_OKVED | string | NVARCHAR(20) | Russian Classification of Economic Activities code | No  (default="") |
|  | PC\_OKATO | string | NVARCHAR(20) | Russian Classification on Objects of Administrative Division (OKATO) | No  (default="") |
|  | PC\_KPP\_NUM | string | NVARCHAR(20) | Tax Registration Reason Code (KPP number) | No  (default="") |
|  | PC\_CORR\_ACC | string | NVARCHAR(34) | Correspondent account | No  (default="") |
|  | DTLM | string | VARCHAR(14), date in format yyyymmdd hh:mm | Date and time of entry last modification in SWE database | Yes |
| FK | CUST\_ID | int | INT | Sync point identifier | Yes |

File structure example:

<?xml version="1.0" encoding="utf-8"?>

<ROOT>

<ParentCompanies>

<ParentCompany PCOMP\_CODE="PCOMP\_CODE" PC\_NAME="PC\_NAME" DTLM="20140822 11:00" STATUS="2" CUST\_ID="22"/>

<ParentCompany PCOMP\_CODE="PCOMP\_CODE" PC\_NAME="PC\_NAME" PC\_ADDR="PC\_ADDR" PC\_ZKPO="PC\_ZKPO" PC\_TAX\_NUM="PC\_TAX\_NUM" PC\_VAT\_NUM="PC\_VAT\_NUM" PC\_B\_NAME="PC\_B\_NAME" PC\_B\_MFO="PC\_B\_MFO" PC\_B\_ACC="PC\_B\_ACC" DTLM="20140822 11^00" STATUS="2" PC\_DIRECT="PC\_DIRECT" PC\_PHONE="PC\_PHONE" PC\_FAX="PC\_FAX" PC\_EMAIL="PC\_EMAIL" PC\_ACCOUNT="PC\_ACCOUNT" PC\_ACC\_PH="PC\_ACC\_PH" PC\_MMANAG="PC\_MMANAG" PC\_MM\_PH="PC\_MM\_PH" PC\_PMANAG="PC\_PMANAG" PC\_SH\_NAME ="PC\_SH\_NAME" PC\_PT\_ADDR=” PC\_PT\_ADDR” PC\_OGRN=”123456” PC\_OKVED=”123456” PC\_OKATO=”123456” PC\_KPP\_NUM=” PC\_KPP\_NUM” PC\_CORR\_ACC=” PC\_CORR\_ACC” CUST\_ID="22"/>

</ParentCompanies>

</ROOT>

* <ParentCompanies> tag contains information about legal entities.
* <ParentCompany> tag contains information about specific legal entity.

## SalIns.xml

Data on receiving product documents.

It is mandatory to use the Doc\_Type field to identify the type of product movement in the form of consecutive numbering:

See above for a table of correspondences to movement types. “Yes” in the table means that the type of movement is used in SalIns or SalOuts, “No”, respectively, is not used.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Attribute | XML data type | SQL data type | Description | Obligatory field |
| **<SalIn> tag contains information about specific receiving product document from accounting system.** | | | | | |
| PK | INVOICE\_NO | string | VARCHAR(58) | KCC Invoice number and number  distributor accounting system.  Format:  <KCC number>\_<accounting system number>  Exception: for return invoices, in this case, you need to put down only the number of the Accounting System.  The value "0" is not processed. | Yes |
| PK | DATE | dateTime | DATE | Product receiving date | Yes |
| FK | WAREH\_CODE | string | VARCHAR(75) | Warehouse external code | No  (default="") |
| FK | DOC\_TYPE | unsignedByte | TINYINT | Type of product movement.  "1" - for receipts from the supplier  "3" - for returns to the supplier | Yes |
|  | CUSTDOC\_NO | string | VARCHAR(58) | HQ selling document number | No  (default="") |
|  | VATCALCMOD | int | INT | document number  Pricing mode.  VatCalcMod=0 prices without VAT in the Price field) | Yes |
|  | STATUS | unsignedByte | TINYINT | Status (2 - active, 9 - inactive) | Yes |
|  | DTLM | string | VARCHAR(14), date in format yyyymmdd hh:mm | Date and time of entry last modification in SWE database | Yes |
| FK | CUST\_ID | int | INT | Sync point identifier | Yes |
| **<** **SalInLocalDetail> tag contains information about products in receiving product document from accounting system (products global coding).** | | | | | |
| PK, FK | LOCALCODE | string | VARCHAR(20) | Products external code | Yes |
| PK | LOT\_ID | string | VARCHAR(20) | Lot identifier | Yes |
| PK | PRICE | decimal | NUMERIC(15,8) | The price of the goods is the price without VAT,  for pcs. | Yes |
|  | QTY | decimal | NUMERIC(14,3) | Products quantity | Yes |
|  | VAT | decimal | NUMERIC(5,2) | VAT, % | Yes |
|  | STATUS | unsignedByte | TINYINT | Status (2 - active, 9 - inactive) | Yes |
|  | DTLM | string | VARCHAR(14), дата в формате yyyymmdd hh:mm | Date and time of entry last modification in SWE database | Yes |
| FK | CUST\_ID | int | INT | Sync point identifier | Yes |

File structure example:

<?xml version="1.0" encoding="utf-8"?>

<ROOT>

<SalIns>

<SalIn INVOICE\_NO="INVOICE\_NO1" DATE="2014-08-22T00:00:00" STATUS="2" DTLM="20140822 11:00" VATCALCMOD="1" DOC\_TYPE="1" WAREH\_CODE="WAREH\_CODE" CUSTDOC\_NO="CUSTDOC\_NO" CUST\_ID="22">

< SalInLocalDetails>

< SalInLocalDetail LOCALCODE="CODE1" LOT\_ID="LOT\_ID" PRICE="15.236548" QTY="12.125" DTLM="20140822 11:00" STATUS="2" VAT="5.25" CUST\_ID="22"/>

< SalInLocalDetail LOCALCODE ="CODE2" LOT\_ID="LOT\_ID" PRICE="15.236548" QTY="12.125" DTLM="20140822 11:00" STATUS="2" VAT="5.25" CUST\_ID="22"/>

< SalInLocalDetail LOCALCODE ="CODE3" LOT\_ID="LOT\_ID" PRICE="15.236548" QTY="12.125" DTLM="20140822 11:00" STATUS="2" VAT="5.25" CUST\_ID="22"/>

< SalInLocalDetail LOCALCODE ="CODE4" LOT\_ID="LOT\_ID" PRICE="15.236548" QTY="12.125" DTLM="20140822 11:00" STATUS="2" VAT="5.25" CUST\_ID="22"/>

< SalInLocalDetail LOCALCODE ="CODE5" LOT\_ID="LOT\_ID" PRICE="15.236548" QTY="12.125" DTLM="20140822 11:00" STATUS="2" VAT="5.25" CUST\_ID="22"/>

</ SalInLocalDetails>

</SalIn>

</SalIns>

</ROOT>

* <SalIns> tag contains information about receiving product documents from accounting system.
* <SalIn> tag contains information about specific receiving product document from accounting system.
* < SalInLocalDetails> tag contains information about receiving product documents details from accounting system (products local coding).
* < SalInLocalDetail> tag contains information about products in receiving product documents from accounting system (products local coding).

## SalOuts.xml

Data on actual sales documents.

To exchange data on sales volumes, the Distributor's accounting system must keep records of the sale of goods to outlets.

For these purposes, you can use the movement according to the accumulation registers REMAINS or TURNOVER and according to their corresponding records - documents, such as:

o Sales of goods and services

o Invoice

o Return note

Local product codes (Distributor code) are used for data exchange.

In the SalesWorks system, it is possible to overwrite existing documents after they are modified in the accounting system, but within the "open period" parameter, which is set in the head office of the Customer's company.

It is mandatory to use the Doc\_Type field to identify the type of product movement in the form of consecutive numbering.

The types of movements are described in detail in the "Table of Correspondence to Movement Types", see above. "Yes" in the table means that the type of movement is used in SalIns or SalOuts, "No", respectively, is not used.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Attribute | XML data type | SQL data type | Description | Obligatory field |
| **<SalOut> tag contains information about specific actual product sales documents from accounting system.** | | | | | |
| PK | INVOICE\_NO | string | VARCHAR(58) | Invoice number (must be unique), must be filled in with the correct value (“0” is not accepted).  If the invoice numbering is reset in the accounting system (for example, at the beginning of the year), add a unique identifier to the invoice number (for example, “2021\_”, i.e. year + symbol “\_” | Yes |
| PK, FK | OL\_CODE | string | NVARCHAR(25) | Outlet external code | No |
| PK, FK | MERCH\_ID | int | INT | Sales agent identifier.  MERCH\_ID import is proceeded provided that MERCH\_ID != 0 | Yes |
|  | MERCH\_CODE | string | VARCHAR(50) | Sales agent external code.  MERCH\_CODE import is proceeded provided that MERCH\_ID = 0 | No  (default="") |
| PK | DATE | dateTime | DATE | Date of goods dispatch | Yes |
| PK, FK | ORDER\_NO | string | VARCHAR(100) | Order identifier, 0 – if unknown. | Yes |
|  | DATETO | dateTime | DATE | End date on reselling report creating period | Yes |
|  | PARAM1 | int | INT | Outlets quantity accourding to types | Yes |
|  | PRINTORDER | boolean | BOOL | Features of printing check on the cash register | Yes |
|  | PRINTCHECK | boolean | BOOL | Features of printing of document forms (goods invoice, tax invoice) | Yes |
|  | PRNCHKONLY | boolean | BOOL | Cash register payment only | Yes |
| FK | DOC\_TYPE | unsignedByte | TINYINT | Type of product movement. Continuous numbering:  "2" - consumable sales documents  "3" - for returns  "4" - for write-offs  "5" - adjustment of stock balances  "6" - transfer of goods (sales) to the branch / return of the branch | Yes |
| FK | WAREH\_CODE | string | VARCHAR(75) | Warehouse external code | No  (default="") |
|  | VATCALCMOD | int | INT | Pricing mode.  VatCalcMod=0 prices without VAT in the SalOutD table in the Price field | Yes |
|  | STATUS | unsignedByte | TINYINT | Document status (2-" received", 9-"deleted") | Yes |
|  | DTLM | string | VARCHAR(14, date in format yyyymmdd hh:mm | Date and time of entry last modification in SWE database | Yes |
|  | CINVOIC\_NO | string | VARCHAR(58) | Document number in distributor accounting system | No  (default="") |
|  | LOC\_CODE | string | NVARCHAR(25) | Local outlet code | No  (default="") |
| FK | PCOMP\_CODE | string | VARCHAR(75) | Legal entity code | No  (default="")  Yes  if option 403=1 |
| FK | CUST\_ID | int | INT | Sync point identifier | Yes |
| **<** **SalOutLocalDetail> tag contains information about product in actual product sales documents from accounting system (products global coding).** | | | | | |
| PK, FK | CODE | string | VARCHAR(20) | Products external code | Yes |
| PK | LOT\_ID | string | VARCHAR(20) | Lot number | Yes |
| PK | PRICE | decimal | NUMERIC(15,8) | The price of the product -  Price without VAT, per piece | Yes |
| PK, FK | ORDER\_NO | string | VARCHAR(20) | Order identifier | No  (default="") |
|  | QTY | decimal | NUMERIC(14,3) | Quantity of shipped goods.  With a “+” sign if the product has decreased in stock, with a “-“ sign if the product has increased in stock, for example, a return. | Yes |
|  | VAT | decimal | NUMERIC(5,2) | VAT, % | Yes |
|  | ACCPRICE | decimal | NUMERIC(15,8) | Product accounting price.  Fill - 0.00 | No  (default="0") |
|  | STATUS | unsignedByte | TINYINT | Status (2 - active, 9 - inactive) | Yes |
|  | DTLM | string | VARCHAR(14, date in format yyyymmdd hh:mm | Date and time of entry last modification in SWE database | Yes |
| FK | RETURNREASONID | unsignedByte | INT | Return reason | No |
|  | BASEPRICE | decimal | NUMERIC(15, 8) | Basic price (price list value without discount.  Depending on value VATCALCMOD:  1 – price with VAT,  0 – price without VAT) | No |
|  | TOTALDISCOUNT | decimal | NUMERIC(7, 5) | Total discount percentage applied to products | No |
| FK | CUST\_ID | int | INT | Sync point identifier | Yes |

File structure example:

<?xml version="1.0" encoding="utf-8"?>

<ROOT>

<SalOuts>

<SalOut INVOICE\_NO="str1234" OL\_CODE="str1234" MERCH\_ID="123" MERCH\_CODE="str1234" DATE="2012-12-13T12:12:12" ORDER\_NO="str1234" STATUS="5" DATETO="2012-12-13T12:12:12" PARAM1="123" DTLM="20151212 12:12" VATCALCMOD="0" PRINTORDER="1" PRINTCHECK="1" PRNCHKONLY="1" DOC\_TYPE="5" WAREH\_CODE="str1234" CINVOIC\_NO="str1234" LOC\_CODE="str1234" PCOMP\_CODE="str1234" CUST\_ID="22">

< SalOutLocalDetails>

< SalOutLocalDetail LOCALCODE="str1234" LOT\_ID="str1234" PRICE="123.45" ORDER\_NO="str1234" QTY="123.45" DTLM="20151212 12:12" STATUS="2" VAT="123.45" ACCPRICE="123.45" BASEPRICE="5" TOTALDISCOUNT="5" CUST\_ID="22" />

</ SalOutLocalDetails>

</SalOut>

</SalOuts>

</ROOT>

* <SalOuts> tag contains information about actual sales document of products from account system.
* <SalOut> tag contains information about specific document of product actual sales from account system.
* < SalOutLocalDetails> tag contains information details in document of product actual sales from account system (product local coding).
* < SalOutLocalDetail> tag contains information about product in product actual sales document from account system (product local coding).