Posti

Detailed instructions for OutStockBalanceInventory XML usage

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Document Revision History

REVISION	Date	Description (Changes Made)	Author
	6.9.2017	- Added InventorySnapShot/ShipNode/Item/SupplyDetails/Segment. - Added InventorySnapShot/ShipNode/Item/SupplyDetails/SegmentType.	Maria Salo
	2.10.2017	Fixed typing mistake: Tags -> Tag.	Maria Salo

Document Approval History

Name	Signature	Date	Version Approved / Comments

Related or Reference Documents

Document Name	Description	Owner	Location
OutStockBalanceInventory.xlsx	Description of OutStockBalanceInventory XML fields		
OutStockBalanceInventory	Example of OutStockBalanceInventory XML file		

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1 General

1.1 Purpose

OutStockBalanceInventory is the standard way to interact stock balance with Principal and consists stock balance information from Posti WMS.

Purpose of this document is to define technically how OutStockBalanceInventory message is used and what kind of data is reported from Posti WMS.

Logistics' services between Posti and Principal are described in the contract done with Posti and Principal.

2 Overview

2.1 Overview

Posti will manage

- inventory for lot controlled items
- inventory for items that have best before date with shelf life and expiry date items that have default expirations days
- inventory for items have unique serial numbers
    - if serial numbers are tracked in the whole logistics' services (from receipt to delivery) it must be agreed and described in the contract

Posti sends Inventory snapshot report for all items in warehouse. In the contract it is agreed how many times a day Inventory snapshot message will be triggered.

2.2 Technical Requirements Reference

- Interface for application to application integration. (High volume customers)
- WMS online web application. (Low volume customers)

3 Assumptions and Dependencies

3.1 Assumptions

- Data is case sensitive
- Decimal separator is dot
- Date format is YYYY-MM-DDTHH:MM:SS+2:00

3.2 Dependences

The following list consists values which are pre-defined by Posti. More information later in this document.

- Unit of Measures (more information in InItemMaster documentation)
- Product Class
- SupplyType

4 Component Design

4.1 InventorySnapShot/MetaData

MetaData is used for message quality control and routing purposes.

4.1.1 ReceiverOrganizationId

Name of the organization to whom the stock balance is sent to (Principal identifier)

4.1.2 Language

Language code of the stock balance in two-letter ISO format e.g. FI

4.1.3 ExternalUserId

Identifier of the principal in external system (OVT code)

4.1.4 DocumentType

Name of the document. This should be OutStockBalanceInventory

4.1.5 CreationDateTime

Date and time of interface creation in integration platform.

4.1.6 MessageIdentifier

In outgoing message from Posti, Posti generates the unique identifier
This MessageIdentifier can be used for troubleshooting purposes to uniquely identify any message that has been sent by Posti integration environment.

4.2 InventorySnapShot/ShipNode

4.2.1 ShipNode

The unique identifier for the ship node. The identifier of Posti warehouse
Voutila = 12

4.3 InventorySnapShot/ShipNode/Item

4.3.1 UnitOfMeasure

The unit of measure.
Sales unit of measure and purchase unit of measure should be the same as inventory unit of measure. It is possible to do conversion in Sterling but it has to be discussed and be based on the contract with Principal and Posti

4.3.2 ProductClass

The product class is used as an inventory class identifier.
Product classes are pre-defined by Posti. If Product classes based on Principal's own values are needed, they are agreed and described in the contract with Principal and Posti.
Available list of values:

Product Class	Name FI	Name EN	Kuvaus	Description
NORM	Vapaa varasto	Unrestricted Stock	Priima tuote, vapaa varasto	Receiving to unrestricted stock, default
BRKN	Rikkoutuneet	Broken Stock	Käytetään varaston vastaanotossa, rikki varastolle saapuessa.	Receive as broken products
RTRN	Palautus toimittajalle	Return to Vendor	Odottaa palautusta tavarantoimittajalle	Item received is waiting to be returned to vendor.
SCRP	Romutus	Scrap	Odottaa hävitystä	Item received is waiting to be delivered to scrapping.
BSTK	Kakkoslaatu	B Stock	Kakkoslaatuisen tuotteen saldo	Item received is to be handled as B quality stock.
FRWD	Toimitus eteenpäin	Forwarding	Odottaa toimitusta	Item received is to be forwarded to another address.
DSHP	Palautus toimittajalle (GLUE)	Return to Vendor (GLUE)	Odottaa palautusta tavarantoimittajalle (toimitusmyynti=Glue)	Item received is waiting to be returned to vendor (GLUE).

4.3.3 ItemID

The identifer for this inventory item.

4.3.4 Description

The description of the item.

4.4 InventorySnapShot/ShipNode/Item/SupplyDetails

4.4.1 Segment

The segment for this inventory supply.

4.4.2 SegmentType

Segment type and Segment are used to indicate that the order line needs a specific additional service and to indicate that this order line should be picked from a certain inventory stack.

The use of Segment type and Segment should be agreed with Posti and described in the contract between principal and Posti.

4.4.3 SupplyType

The supply type of this inventory supply.

Supply Type	Description
ONHAND	Onhand
HELD	Held
VAS.ex	At Value Added Service
RETURN.ex	Returned goods
BLOCKED.ex	Blocked
QBLOCK.ex	Quality related block
INCUBATED.ex	Incubated

4.4.4 Quantity

Quantity of the supply.

4.5 InventorySnapShot/ShipNode/Item/SupplyDetails/Tag

4.5.1 ManufacturingDate

Manufacturing date

4.5.2 LotNumber

Lot number.

4.5.3 LotAttribute1

Any other attribute.

4.5.4 LotAttribute2

Any other attribute.

4.5.5 LotAttribute3

Any other attribute.

4.6 Inventory/SnapShot/ShipNode/Item/SupplyDetails/Tag/Extn

4.6.1 ExtnIncubationDate

Ready for use date after manufacturing date

4.6.2 ExtnBestBeforeDate

Best before date