Posti

Detailed instructions for OutStockMovementInventory XML usage

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Document Revision History

REVISION	Date	Description (Changes Made)	Author
	2.10.2017	Fixed some typing mistakes: Seqment -> Segment, SeqmentType -> SegmentType, Tags -> Tag.	Maria Salo

Document Approval History

Name	Signature	Date	Version Approved / Comments

Related or Reference Documents

Document Name	Description	Owner	Location
OutStockMovementIventory.xlsx	Description of OutStockMovementInventory XML fields		
OutStockMovement	Example of OutStockMovementInventory XML file		

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1 General

1.1 Purpose

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

Purpose of this document is to define technically how OutStockMovementInventory 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 Business Requirements Reference

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

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
- Inventory Status
- Segment Type
- Reason Code
- AdjustmentType

4 Component Design

4.1 ChangeInventory/MetaData

MetaData is used for message quality control and routing purposes.

4.1.1 ReceiverOrganizationId

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

4.1.2 Language

Language code of the stock movement 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 OutStockMovementInventory

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 ChangeInventory/FromSupply

4.2.1 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

4.2.2 ShipNode

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

4.2.3 ShipByDate

Latest shipment date. If ShipByDate is later than BestBeforeDate then this is expiration date

4.2.4 SegmentType

The segment type for this inventory movement.
Segment type and Segment are used for indicating that order line needs specific additional service and also used to indicate that this order line should be picked from certain inventory stack.
Segment type and Segment should be taken in use only on demand if Principal has specific needs and would need to be discussed with Posti business and described in the contract with Pricipal and Posti.

4.2.5 Segment

The segment for this inventory movement.

4.2.6 ReasonText

The description of the reason for this inventory audit.

4.2.7 ReasonCode

The code of the reason for this inventory audit.
The meaning of the meaningful reason codes are determined in the contract between Principle and Posti.

4.2.8 Quantity

Quantity of the movement (+/-).

4.2.9 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).

4.2.10 ItemID

The identifier for this inventory item.

4.2.11 InventoryStatus

Inventory status after receiving.
The value of Inventory Status is linked to the value of Disposition Code.
Inventory status usage is not supported for now.

Disposition Code	Inventory Status	Name FI	Name EN	Kuvaus	Description
STOCKED	UN	Vapaa varasto	Unrestricted Stock	Priima tuote, vapaa varasto	Receiving to unrestricted stock, default
BROKEN	UN	Rikkoutuneet	Broken Stock	Käytetään varaston vastaanotossa, rikki varastolle saapuessa.	Receive as broken products
MHAZ	MH	Puuttuvat VAK –tiedot	Missing Hazmat Information	Tuotteesta puuttuu VAK-tiedot	Item received has missing or inadequate hazmat data. User action required before put-away
WINS	BQ	Odottaa tarkastusta	Waiting for QC	Odottaa tarkastusta ennen hyllytystä	Item is waiting to be inspected before put-away.
RETURN	UN	Palautus toimittajalle	Return to Vendor	Odottaa palautusta tavarantoimittajalle	Item received is waiting to be returned to vendor.
SCRAP	UN	Romutus	Scrap	Odottaa hävitystä	Item received is waiting to be delivered to scrapping.
BSTOCK	UN	Kakkoslaatu	B Stock	Kakkoslaatuisen tuotteen saldo	Item received is to be handled as B quality stock.
FORWARD	UN	Toimitus eteenpäin	Forwarding	Odottaa toimitusta	Item received is to be forwarded to another address.
DROPSHIP	UN	Palautus toimittajalle (GLUE)	Return to Vendor (GLUE)	Odottaa palautusta tavarantoimittajalle (toimitusmyynti=Glue)	Item received is waiting to be returned to vendor (GLUE).

4.2.12 AdjustmentType

Adjustment type = ADJUSTMENT

4.3 ChangeInventory/FromSupply/Tag

4.3.1 ManufacturingDate

Manufacturing date

4.3.2 LotNumber

Lot number.

4.3.3 LotAttribute1

Any other attribute.

4.3.4 LotAttribute2

Any other attribute.

4.3.5 LotAttribute3

Any other attribute.

4.4 ChangeInventory/FromSupply/Tag/Extn

4.4.1 ExtnIncubationDate

Ready for use date after manufacturing date

4.4.2 ExtnBestBeforeDate

Best before date

4.5 ChangeInventory/ToSupply

4.5.1 UnitOfMeasure

The unit of measure.
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4.6 ChangeInventory/ToSupply/Tag

4.6.1 ManufacturingDate

Manufacturing date

4.6.2 LotNumber

Lot number.

4.6.3 LotAttribute1

Any other attribute.

4.6.4 LotAttribute2

Any other attribute.

4.6.5 LotAttribute3

Any other attribute.

4.7 ChangeInventory/ToSupply/Tag/Extn

4.7.1 ExtnIncubationDate

Ready for use date after manufacturing date

4.7.2 ExtnBestBeforeDate

Best before date