



UPDATE BATCH INTEGRATION FROM PRINCIPAL TO POSTI WMS

Posti

Detailed instructions for InUpdateBatch XML usage

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Document Revision History

Date	Description (Changes Made)
11.9.2019	First version created.
14.11.2019	Updated descriptions.
18.11.2019	Updated descriptions. Version updated to 1.0.

Related or Reference Documents

Document Name	Description
InUpdateBatch.xlsx	Description of InUpdateBatch XML fields.
InUpdateBatch.xml	Example of InUpdateBatch XML file.



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1 General

1.1 Purpose

InUpdateBatch is used to change batch/lot (later referred only as lot) status and/or product class, e.g release batches from maturation or blocking some lot for picking.

Purpose of this document is to define how InUpdateBatch message is used and what kind of data is needed in the warehouse system.

Logistics services between Posti and principal are described in the contract between Posti and principal.

2 Overview

2.1 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 Dependencies

The following list consists of values which are pre-defined by Posti.

- Unit of measure
- Product class
- Inventory status

4 Batch managements

4.1 Update product class

Update product class value for an item.

4.2 Update inventory status

Update inventory status for an item.

4.3 Update best before date

Update best before date for a specific lot of an item. Check with Posti if you need this feature.

5 Component Design

5.1 UpdateBatch/MetaData

MetaData is used for message quality control and routing purposes.

5.1.1 **SourceOrganizationId**

Code for the organization that sends the lot update message. This value (principal identifier) is provided by Posti.

5.1.2 **Language**

Language code of the message in two-letter ISO 639-1 format, e.g. FI.

This value does not affect any printouts.

5.1.3 **ExternalUserId**

Identifier of the principal in external system (OVT code, EDI sender ID).

5.1.4 **DocumentType**

Name of the document. This should be InUpdateBatch.

5.1.5 **CreationDateTime**

Date and time of message creation. If principal sets the time, it will be used. Otherwise Posti will use the date and time of when the message is received.

5.1.6 **MessageIdentifier**

Identifier of the message which is unique at least in the scope of message sender.

- If customer has created a unique identifier, it will not be overwritten.
- If the field is empty, Posti will use a generated identifier (UUID).

This identifier can be used for troubleshooting purposes to uniquely identify a message.

5.2 UpdateBatch/Item

5.2.1 UnitOfMeasure

Unit of measure of an item for which lot information needs to be changed.

5.2.2 ItemID

Principal's unique identifier for an item for which lot information needs to be changed.

5.2.3 ProductClass

Product class to which stock is to be moved.

Product classes are pre-defined by Posti. If product classes based on principal's own values are needed, they need to be agreed upon separately. By default, only NORM is used.

Available list of values which are in regular use:

Product class	Name EN	Description EN	Name FI	Description FI
NORM	Unrestricted stock	Change to unrestricted stock. Default.	Vapaa varasto	Priima tuote, vapaa varasto.
RTRN	Return to vendor	Item is waiting to be returned to vendor.	Palautus toimittajalle	Odottaa palautusta tavarantoimittajalle.
SCRP	Scrap	Item is waiting to be scrapped.	Romutus	Odottaa hävitystä.
BSTK	B-stock	Item is to be handled as B quality stock.	Kakkoslaatu	Kakkoslaatuisen tuotteen saldo.
FRWD	Forwarding	Item is to be forwarded to another address.	Toimitus eteenpäin	Odottaa toimitusta.

5.2.4 InventoryStatus

Status to which stock is to be moved. If stock is received in warehouse without receiving any InUpdateBatch message the Default status will be BH (Batch Hold).

Status	Name EN	Description EN	Name FI	Description FI
UN	Unrestricted stock/Onhand	Unrestricted stock.	Vapaa varasto	Priima tuote, vapaa varasto.
QC	Quality check	Stock is waiting to be quality checked.	Laadun tarkistus	Odottaa laadun tarkastusta.

BR	Broken	Stock is broken and waiting to be scrapped.	Romutus	Odottaa hävitystä.
BL	Blocked	Stock is marked as blocked.	Blokissa	Erä on blokissa ja keruu on estetty.
BQ	Quality block	Stock has some quality issue and is blocked because of it.	Laatu blokki	Laatuvirheen takia blokissa.
RE	Return	Stock is waiting to be returned to vendor (GLUE).	Palautus toimittajalle (GLUE)	Odottaa palautusta tavarantoimittajalle (toimitusmyynti = GLUE).
IN	Incubation	Stock is waiting for maturation.	Kypsytytys	Odottaa kypsymistä.
VS	Value added service	Stock is reserved for value-added services.	Lisäarvopalvelut	Varattu lisäarvopalveluihin.

5.3 UpdateBatch/Item/TagDetail

5.3.1 LotNumber

The lot number which is to be updated.

5.3.2 ManufacturingDate

Lot manufacturing date.

5.3.3 LotAttribute1

Lot attribute 1.

5.3.4 LotAttribute2

Lot attribute 2.

5.3.5 LotAttribute3

Lot attribute 3.

5.3.6 RevisionNo

Revision number.



5.3.7 BestBeforeDate

Best before date to which lot will be updated to.

5.3.8 IncubationDate

Incubation date.

5.3.9 AvailabilityDate

Planned release date for lot. Posti can send email alert if batch is not released when this date is reached.