



**Posti**

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*Detailed instructions for OutReturnConfirmation XML usage*

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	2.10.2017	- Added Receipt/ReceiptLines/ReceiptLine/OrderLine/Extn/ExtnCustomerSalesUOM. - Added Receipt/ReceiptLines/ReceiptLine/OrderLine/Extn/ExtnCustomerSalesUOMConversion.	Maria Salo
	13.11.2017	Added Receipt/ReceiptLines/ReceiptLine/OrderLine/References.	Maria Salo

**Document Approval History**

Name	Signature	Date	Version Approved / Comments

**Related or Reference Documents**



*Detailed instructions for OutReturnConfirmation XML usage*

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<b>Document Name</b>	<b>Description</b>	<b>Owner</b>	<b>Location</b>
OutReturnConfirmation.xlsx	Description of OutReturnConfirmation XML fields		
OutReturnConfirmation.xml	Example of OutReturnConfirmation XML file		

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## **General**

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### **1.1 Purpose**

OutReturnConfirmation is the standard way to interact return confirmation with Principal and consists return information from Posti WMS.

Purpose of this document is to define technically how OutReturnConfirmation 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**

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### **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**

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### **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 values which are pre-defined by Posti. More information later in this document.

- Unit of Measures (more information in InItemMaster documentation)
- TrailerLPNNo
- Product Class
- Inventory Status
- Disposition Code
- Line Reference

## 4 Return Confirmation management

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### 4.1 Return Confirmation

Return confirmation message is sent out after return confirmation in Posti WMS.

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## 5 Component Design

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### 5.1 Receipt/MetaData

#### 5.1.1 DocumentType

Name of the document. This should be OutReturnConfirmation

#### 5.1.2 CreationDateTime

Confirmation date of Return confirmation.

#### 5.1.3 ReceiverOrganizationId

Name of the organization to whom the Return Confirmation is sent to (Principal identifier)

#### 5.1.4 Language

Language code of the return confirmation in two-letter ISO format e.g. FI

#### 5.1.5 ExternalUserId

Identifier of the principal in external system (OVT code)

#### 5.1.6 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.

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### 5.2 Receipt

#### 5.2.1 TrailerLPNNo

The License Plate Number of the Trailer.  
This information is sent only if agreed in the contract between Participant and Posti.

#### 5.2.2 ReceivingNode

Receiving node or warehouse in Posti

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Voutila = 12

### 5.2.3 ReceiptNo

The unique key or business key, which by itself identifies a receipt along with ReceivingNode.

### 5.2.4 ReceiptDate

The date when the receipt was started.

### 5.2.5 EnterpriseCode

The enterprise to which this receipt belongs. Principal's number in Posti WMS

### 5.2.6 ArrivalDateTime

The timestamp when the receipt arrived.

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## 5.3 Receipt/ReceiptLines/ReceiptLine

### 5.3.1 UnitOfMeasure

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

### 5.3.2 SerialNo

Only informed if item is fully serial controlled along logistic process. This is informed in item master in the attribute 'IsSerialTracked = Y'.

### 5.3.3 Quantity

The quantity of item on the receipt line.

### 5.3.4 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).

### 5.3.5 OrderNo

The return order number in Posti WMS.

### 5.3.6 PrimeLineNo

The return order line number in Posti WMS.

### 5.3.7 LotNumber

The Lot number

### 5.3.8 LotAttribute1

Any other lot attribute

### 5.3.9 LotAttribute2

Any other lot attribute

### 5.3.10 LotAttribute3

Any other lot attribute

### 5.3.11 ItemId

The identifier of the item.

### 5.3.12 InventoryStatus

Inventory status after receiving.

The value of Inventory Status is linked to the value of Disposition Code

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).

### 5.3.13 DispositionCode

The disposition code for the return line.

Disposition Code	Name FI	Name EN	Kuvaus	Description
STOCKED	Vapaa varasto	Unrestricted Stock	Priima tuote, vapaa varasto	Receiving to unrestricted stock, default
BROKEN	Rikkoutuneet	Broken Stock	Käytetään varaston vastaanotossa, rikki varastolle saapuessa.	Receive as broken products
MHAZ	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	Odottaa tarkastusta	Waiting for QC	Odottaa tarkastusta ennen hyllytystä	Item is waiting to be inspected before put-away.
RETURN	Palautus toimittajalle	Return to Vendor	Odottaa palautusta tavarantoimittajalle	Item received is waiting to be returned to vendor.
SCRAP	Romutus	Scrap	Odottaa hävitystä	Item received is waiting to be delivered to scrapping.
BSTOCK	Kakkoslaatu	B Stock	Kakkoslaatuisen tuotteen saldo	Item received is to be handled as B quality stock.
FORWARD	Toimitus eteenpäin	Forwarding	Odottaa toimitusta	Item received is to be forwarded to another address.
DROPSHIP	Palautus toimittajalle (GLUE)	Return to Vendor (GLUE)	Odottaa palautusta tavarantoimittajalle (toimitusmyynti=Glue)	Item received is waiting to be returned to vendor (GLUE).

#### 5.4 Receipt/ReceiptLines/ReceiptLine/Extn

##### 5.4.1 ExtnBestBeforeDate

Best before date

#### 5.5 Receipt/ReceiptLines/ReceiptLine/OrderLine

##### 5.5.1 OrderedQty

Quantity of item that could be returned from this line at its current status.

##### 5.5.2 ReturnReason

The reason for return.

Reason codes are pre-defined by Posti.

If Reason codes based on Principal's own values are needed, they are agreed and described in the contract with Principal and Posti.

Return Reason	Short Description
AP	Asiakaspalautus
KV	Kuljetusvaurio
PP	Postitoimipaikkapalautus
PRO1	Toimipaikkapalautus
PRO2	Asiakaspalautus maksettu
PRO3	Asiakaspalautus ei maksettu
RI	Rikkinäinen tuote
TV	Takuuvaurio
VA	Tuotteen vaihto
VT	Virheellinen toimitus

### 5.5.3 ReturnReasonLongDesc

Long description of the return reason code.

### 5.5.4 ReturnReasonShortDesc

Short description of the return reason code.

### 5.5.5 DerivedFromOrderLineNo

Original sales order line number

### 5.5.6 CustomerLinePoNo

The principal's return order line # for the order during create order time.

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## 5.6 Receipt/ReceiptLines/ReceiptLine/OrderLine/Extn

### 5.6.1 ExtnCustomerSalesUOM

Customer sales unit of measure.

### 5.6.2 ExtnCustomerSalesUOMConversion

Multiplier that can be used together with base unit quantity to gain quantity in sales unit.

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## 5.7 Receipt/ReceiptLines/ReceiptLine/OrderLine/Order

### 5.7.1 **DerivedFromOrderNo**

Original sales order number

### 5.7.2 **CustomerPONo**

The return order number of the principal.

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## 5.8 Receipt/ReceiptLines/ReceiptLine/OrderLine/References/Reference

### 5.8.1 **Name**

The name of the reference.

### 5.8.2 **Value**

Free-form text associated with the Reference Name.

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## 5.9 Receipt/ReceiptLines/ReceiptLine/ShipmentLine

### 5.9.1 **UnitOfMeasure**

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

### 5.9.2 **ShipmentLineNo**

The shipment line number is unique for a shipment.

### 5.9.3 **Quantity**

The shipment line original quantity.

### 5.9.4 **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
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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).

### 5.9.5 ItemId

Unique identifier for an item that belongs to a Principal's catalog organization.

### 5.9.6 ReceivedQuantity

Quantity received for the shipment line.

## 5.10 Receipt/Shipment

### 5.10.1 ShipmentNo

The shipment number

### 5.10.2 ReceivingNode

The node or warehouse in Posti that receives the shipment.

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### **5.10.3 ShipmentType**

The user-defined shipment type. This is used to indicate the composition of the shipment.

### **5.10.4 BolNo**

Number of waybill