



Posti

Detailed instructions for OutSalesOrderConfirmation XML usage

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N	8.9.2017	Added Order/OrderLines/OrderLine/Shipment Lines/ShipmentLine/Shipment/ProNo.	Maria Salo
	10.11.2017	Fixed typing mistake: ItemId -> ItemID.	Maria Salo
	14.8.2018	Added Order/OrderLines/OrderLine/Item.	Maria Hautala

Document Approval History

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Related or Reference Documents

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

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1 General

1.1 Purpose

OutSalesOrderConfirmation is the standard way to interact delivery confirmation and order cancellation with Principal and consists sales order and delivery information from Posti WMS.

Purpose of this document is to define technically how OutSalesOrderConfirmation 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 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 forma 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)
- Freight Terms
- Order Type
- Carrier Service Code
- Segment Type
- Product Class
- Order and Order Line References
- Reason Code

4 Sales Order Confirmation management

4.1 Sales Order Confirmation

Sales order confirmation message is sent out when sales order is fulfilled from Posti point of view. Sales Order is fulfilled when all lines are shipped or cancelled.

5 Component Design

5.1 Order/MetaData

MetaData is used for message quality control and routing purposes.

5.1.1 **DocumentType**

Name of the document. This should be OutSalesOrderConfirmation.

5.1.2 **DateTime**

Date and time of interface creation in integration platform.

5.1.3 **ReceiveOrganizationId**

Code for the organization that receives the delivery confirmation message, provided by Posti (principal identifier).

5.1.4 **Language**

Language code of the sales order 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.

5.2 Order

5.2.1 **OrderType**

The order classification attribute. Order Types are pre-defined by Posti. This field can be used for reporting purposes or to build conditions for modeling business process.
For certain order type special usage for Principal can be defined from a special requirement described in the contract with Principal and Posti.

5.2.2 Status

Status of the order.

5.2.3 CustomerPONo

The Principal's order number for the order.

5.2.4 CustCustPONo

The PO number of the Participant's customer.

5.2.5 OrderNo

The sales order number in Posti WMS

5.3 Order/References/Reference

References are used only as pass through data and is sent back to Principal in OutSalesOrderConfirmation.

If References are needed, they are agreed and described in the contract with Principal and Posti.

5.3.1 Name

The name of the reference

5.3.2 Value

Free-form text associated with the Reference Name.

5.4 Order/OrderAudits/OrderAudit

5.4.1 ReasonCode

The reason code for cancellation.
Reason codes are pre-defined by Posti.

5.4.2 Text

The text for cancellation reason code.

5.5 Order/OrderLines/OrderLine

5.5.1 Status

Status of the order line

5.5.2 ShipNode

Ship node (Warehouse) from where goods are stored or shipped from.
Voutila = 12

5.5.3 ShippedQuantity

Shipped quantity

5.5.4 PrimeLineNo

The sales order line number in Posti WMS

5.5.5 SegmentType

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 Principal and Posti.

5.5.6 Segment

The segment of the delivery.

5.5.7 OriginalOrderedQuantity

The quantity which was ordered at order creation.

5.5.8 OrderedQuantity

The quantity of the line item that has been ordered. If part of the line is cancelled, this number is reduced appropriately.

5.5.9 CustomerLinePoNo

The Principal's order line number for the order.

5.6 Order/OrderLines/OrderLine/Item

5.6.1 CountryOfOrigin

Country of origin.

5.6.2 ItemDesc

Description of the item.

5.6.3 ItemID

Identifier of the item.

5.6.4 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).

5.6.5 SupplierItem

Item ID of the supplier.

5.6.6 UnitOfMeasure

Unit of measure.

5.7 Order/OrderLines/OrderLine/References/Reference

References are used only as pass through data and are sent back to principal in OutSalesOrderConfirmation. If references are needed, they are agreed and described in the contract with principal and Posti.

5.7.1 Name

The name of the reference.

5.7.2 Value

Free-form text associated with the reference name.

5.8 Order/OrderLines/OrderLine/ShipmentLines/ShipmentLine

5.8.1 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.

5.8.2 Quantity

Original shipment line quantity to be shipped.

5.8.3 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).

5.8.4 ItemID

The identifier of the item.

5.8.5 CountryOfOrigin

The item's country of origin. ISO country codes are used.

5.8.6 ShipmentLineNo

The shipment line number.

5.8.7 CustomerPoNo

The principal's order number for the order.

5.8.8 CustomerPoLineNo

The Principal's order line number for the order.

5.8.9 ActualQuantity

Actual quantity of the shipment line shipped.

5.9 Order/OrderLines/OrderLine/ShipmentLines/ShipmentLine/Shipment

5.9.1 TotalWeightUOM

The unit of measure for the units of weight in this shipment.

5.9.2 TotalWeight

The total weight of the shipment.

5.9.3 ShipmentNo

The number of the shipment.

5.9.4 ShipNode

Ship node (warehouse) from where shipment was made.

Voutila = 12

5.9.5 ProNo

The progressive number assigned by a carrier to track a shipment.

5.9.6 FreightTerms

International Commercial Terms ('Incoterms') are internationally recognized standard trade terms used in sales contracts. They're used to make sure buyer and seller know:

- Who is responsible for the cost of transporting the goods, including insurance, taxes and duties
- Where the goods should be picked up from and transported to
- Who is responsible for the goods at each step during transportation

Incoterms are used in contracts in a 3-letter format followed by the place specified in the contract (e.g. the port or where the goods are to be picked up).

Incoterm 2010 is used, but it is possible to add incoterms based on the contract with Principal in case there is such business needs.

CFR Cost & Freight
CIF Cost, Insurance & Freight
CIP Carriage and Insurance Paid to
COL Collect (Returns)
CPT Carriage Paid To
DAP Delivered At Place
DAT Delivered At Terminal

DDP Delivered Duty Paid
EXW Ex Works
FAS Free Alongside Ship
FCA Free Carrier
FOB Free On Board
PRE Prepaid (Returns)
TPB Third party (Returns)

5.9.7 EnterpriseCode

Enterprise to which this shipment belongs. Sender identification. Principal's identifier number in Posti WMS.

5.9.8 CarrierServiceCode

The carrier service used to ship for the order.

The carrier service used to ship for the order. (e.g. 2W2103)

<http://www.posti.fi/yritysiasiakkaat/posti-palvelee/uudistus/>

→ Tekniset ohjeet (alhaalla ruudulla) -> Pakettipalvelujen käyttöönotto suorille EDI-asiakkaille

5.9.9 ActualShipmentDate

The actual shipment date.

5.10 Order/OrderLines/OrderLine/ShipmentLines/ShipmentLine/Shipment/ShipmentStatus Audits/ShipmentStatusAudit

5.10.1 ReasonCode

The reason code for cancellation.

Reason codes are pre-defined by Posti.

5.10.2 Text

The text for cancellation reason code.

5.11 Order/OrderLines/OrderLine/ShipmentLines/ShipmentLine/ShipmentTagSerials/Shipm entTagSerial

5.11.1 Quantity

Quantity

5.11.2 SerialNo

Serial number

5.11.3 TagNumber

The tag number that has been specified on the shipment tag serial

5.11.4 ShipByDate

For time sensitive items, date by which it should be shipped.

5.11.5 LotNumber

Lot number

5.11.6 LotAttribute1

Any other attribute

5.11.7 LotAttribute2

Any other attribute

5.11.8 LotAttribute3

Any other attribute

5.11.9 ManufacturingDate

Manufacturing date

5.12 Order/OrderLines/OrderLine/ShipmentLines/ShipmentLine/SipmentTagSerials/ShipmentTagSerial/Exnt

5.12.1 ExtnIncubationDate

Ready for use date after manufacturing date

5.12.2 ExtnBestBeforeDate

Best before date

5.13 Order/OrderLines/OrderLine/ShipmentLines/ShipmentLine/ContainerDetails/ContainerDetail

5.13.1 Quantity

The quantity of the item packed in this container.

5.13.2 ItemID

The identifier of one of the items in the container.

5.14 Order/OrderLines/OrderLine/ShipmentLines/ShipmentLine/ContainerDetails/ContainerDetail/Container

Container information consists either package information or pallet information.

5.14.1 TrackingNo

The tracking number (JJFI code). This is a unique number assigned to each package that can be used to track individual packages in a shipment.

5.14.2 ContainerScm

The pallet id. This is a unique number assigned to each pallet that can be used to track individual pallets in a shipment.

5.15 Order/OrderLines/OrderLine/ShipmentLines/ShipmentLine/ContainerDetails/ContainerDetail /ShipmentTagSerials/ShipmentTagSerial

5.15.1 Quantity

Quantity

5.15.2 SerialNo

Serial number

5.15.3 TagNumber

The tag number that has been specified on the shipment tag serial

5.15.4 ShipByDate

For time sensitive items, date by which it should be shipped.

5.15.5 LotNumber

Lot number

5.15.6 LotAttribute1

Any other attribute

5.15.7 LotAttribute2

Any other attribute

5.15.8 LotAttribute3

Any other attribute

5.15.9 ManufacturingDate

Manufacturing date

5.16 Order/OrderLines/OrderLine/ShipmentLines/ShipmentLine/ContainerDetails/ContainerDetail /ShipmentTagSerials/ShipmentTagSerial/Extn

5.16.1 ExtnIncubationDate

Ready for use date after manufacturing date

5.16.2 ExtnBestBeforeDate

Best before date
