291449 v1.1

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![Aptean logo]

DHL C-TMS

Order Import from Transport Manifest

FUNCTIONAL SPECIFICATION - 10.7

19/05/2011 - 1.1
Reference: FS 291449 NW-8L3JXV

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2 Functional Overview

2.1 Client Requirement

Maintain the current ORDER_AND_LINE and LINE formats for the csv order upload but allow multiple items to be uploaded and order lines to be consolidated by DU Type and Product Type (instead of one item per line as at present).Functionality to be controlled by a system parameter maintained at Cost Centre level.

2.2 Solution

The CSV order import process will be changed for the ?ORDER_AND_LINE? import format to allow multiple items to be uploaded and order lines to be consolidated by despatch unit type and product type (*instead of an item per order line as at present*).

Order Sub-References will be added to the ?ORDER_AND_LINE? import format along with additional order fields required for this project.

This new functionality would be controlled by a system parameter configured by cost centre.

2.3 Scope

This change will be applied to system version 10.7.

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3 Set-up

3.1 Pre-requisites

None

3.2 Menu Structure

No change

3.3 Data

- New cost centre based system parameter MANIFEST_ORDERS will be created.
- All required data for HUK_ORDER will be added to the ORDER_AND_LINE import format.
- New XML_DECODE value will be added for ?Order WMS Ref?

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4 Functional DESCRIPTION

4.1 CSV Order Import

A new XML decode value will be created for ?Order WMS Ref? this will allow the data within the import file to be stored as a sub reference for the order and displayed in the ?Add Refs? tab of the orders form.

The ?IMP? package will be changed to process Healthcare UK Orders.

A new cost centre based system parameter ?MANIFEST_ORDERS? will be created.

The existing functionality within the PROCESS_TI_ORDER will be amended to ascertain the value of the MANIFEST_ORDER system parameter.

If the value has been set to ?Y? the order may contain more than one order line. The procedure will then process each line consolidating the order lines by DU Type and Product Type; i.e. only one order line should be created for each DU type and product type combination and the quantity, weight and volume of the order will be a cumulative total of all order lines within the DU and product type.

Order items will be created for each order line when an item identifier is contained within the data. There may be multiple order items for a single order line.

A number of new fields will be contained within the import:

- Titles
- Order WMS Ref
- Message Medium
- Recipient SMS
- Recipient SMS 2
- Recipient SMS 3
- Recipient SMS 4
- Recipient Email
- UN Number
- Hazardous Description
- Hazardous Quantity

The Titles data will not be used within the order data.

The Order WMS ref will be used to create an entry in the SCH_ORD_REFERENCE table for the order. The data within the file will be used in the SUB_REF_VALUE column and the data for the SUB_REF_NAME column will be derived from the SOURCE_REF column on the IMP_DECODE table for the TARGET_VALUE of ?Order WMS Ref?

The message medium will indicate if the recipient address is an SMS, email address or both and will be used to populate the required field on the order header.

The Recipient SMS and Recipient Email addresses will be used to update the correct fields on the order.

The UN_NUMBER, HAZARD_DESC and HAZARD_QTY import values will be used to create the HAZARDOUS_ITEMS data for the order. There may be multiple hazardous items associated with an order. If hazardous items are present the HAZARDOUS_ITEMS indicator on the order header will be updated to ?Y?.

The order import will contain the following fields which are taken from the sample manifest above and will map to the shown import fields:

Manifest Field	Import Field
TITLES	TITLES

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OWNING_DEPOT	COST_CENTRE
ORDER_WMS_REF	ORDER_WMS_REF
SHIPMENT_WMS_REF	SHIP_REF
CUST_ORD_REF	EXT_REF
WMS_CUSTOMER	CUSTOMER
FROM_LOC_REF	FROM_LOC
TO_LOC_REF	TO_LOC
COMMENTS	ORD_COMMENTS
DELIVERY_INSTRUCTIONS	SPECIAL_INSTR
PROD_TYPE	PRODUCT
TU_TYPE	DU_TYPE
TU_QTY	QTY
TU_WEIGHT	WEIGHT_KG
TU_VOLUME	VOL_CU_M
ECT	EARLY_AVAIL
LCT	LATE_AVAIL
EDT	EARLY_DEL
LDT	LATE_DEL
BOOKING_REF	BOOKING_REF
ORDER_TYPE	DEL_TYPE
MSG_MEDIUM	MSG_MEDIUM
RECIPIENT_ADDRESS_SMS	RECIPIENT_SMS
RECIPIENT_ADDRESS_SMS2	RECIPIENT_SMS2
RECIPIENT_ADDRESS_SMS3	RECIPIENT_SMS3
RECIPIENT_ADDRESS_SMS4	RECIPIENT_SMS4
RECIPIENT_ADDRESS_EMAIL	RECIPIENT_EMAIL
UN_NUMBER	UN_NUMBER
DESCRIPTION	HAZARD_DESC
QTY	HAZARD_QTY

Table Updates Required

[DATA_IMP_DECODE_291449.sql DATA_IMP_DECODE_291449.sql]

[DATA_ADM_SYSTEM_PARAM_291449.sql DATA_ADM_SYSTEM_PARAM_291449.sql]

[DATA_IMP_RECORD_FORMAT_291449.sql DATA_IMP_RECORD_FORMAT_291449.sql]

[DATA_IMP_FIELD_291449.sql DATA_IMP_FIELD_291449.sql]

[DATA_IMP_FIELD_SOURCE_291449.sql DATA_IMP_FIELD_SOURCE_291449.sql]

References

Ref No	Document Title & ID	Version	Date
1	EST-291449 NW-8L3JXV Order Import from Transport Manifest v1.0.doc	1.0	05/09/11

Glossary

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Term or Acronym	Meaning
C-TMS	Calidus TMS

Document History

Version	Date	Status	Reason	Initials
0.1	12/09/11	Draft	Initial version	CAK
0.1	13/09/11	Draft	Review of the initial draft	PJH
1.0	13/09/11	Issue	Issued to client	PJH
1.1	19/10/11	Draft	Added 3 extra SMS address to the import.	PDR

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5 AUTHORISED BY

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