

291972 v1.0

Aptean Ltd
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DHL C-TMS

Dunelm Item Movements Extract

FUNCTIONAL SPECIFICATION - 10.7

30/09/2011 - 1.0

Reference: FS 291972 OB-8JWKBY





2 Functional Overview

2.1 Client Requirement

Change Request Summary:

Creation of new 'Dunelm Item Movements Extract' that will be used by Load hog Lids to track the Dunelm's totes through the x-dock network Steve Gooding/Peterboro/UK/NFC

Change Request Details:

Additional extract to be added to the DUNPRD database that we (DHL) can send to Loadhog on a daily / weekly basis to allow the to track Dunelm totes through the system. The extract needs to work like the current 'Dunelm Actual Unload' and 'Dunelm Actual Load' extract, where the data and time parameters the extract is run for is linked to the actual scan in and out times provided for each item by the WCS. The extract needs to work at item level. The following parameters must be present when running the extract, but for full details please see the attached .xls file Actual From Date (mandatory) Actual From Time (mandatory) Actual To Date (mandatory) Actual To Time (mandatory) DU Type (optional) P/O Number (optional) Manifest Number (optional)

Benefits identified as a result of the change:

Ability to provide external 3rd parties with information they need.

2.2 Solution

A new extract will be developed in the Dunelm CSV extract package.

The user will provide the following parameter values:

Parameter Name Required

Actual From Date	(mandatory)
Actual From Time	(mandatory)
Actual To Date	(mandatory)
Actual To Time	(mandatory)
DU Type	(optional)
Supplier	(optional)
Store	(optional)
P/O Number	(optional)
Manifest Number	(optional)

Using this information, the system will identify all items which have been scanned in and out of the RDC based on the FROM and TO date/times and the du type/ Po number / manifest Number is provided.

The reason table will be used to identify the times that an item was received into the RDC and despatched from the RDC. Items received into the RDC will be assigned a reason code SU or MI and items despatched from the RDC will be assigned a reason code SL or ML. The order audit table will be used to identify the time an order was applied a POD.

Item identifiers will be tracked through the system to identify all occurrences. Split orders may be assigned the relevant reason codes or the order audit record for PODs.

The times for all occurrences of an item will be selected and then MIN or MAX applied to identify the relevant time.



Item Created will be based on the minimum time an occurrence of the item was created in the items table (first occurrence of the item)

Received RDC will be based on the minimum time an SU or MI reason code was assigned to an occurrence of the item.

Despatched RDC will be based on the minimum time an SL or ML reason code was assigned to an occurrence of the item.

POD Confirmed will be based on the maximum time an order which includes an occurrence of the item was applied a POD.

The extract will display the following information, based on the parameter values provided by the user:

Field Name	Source
DU_TYPE	SCH_ORD_ITEMS.ITEM_DESCRIPTION
ITEM CREATED	SCH_ORD.CREATED_DATE
SUPPLIER CODE	SCH_ORD.FROM_LOC
SUPPLIER NAME	ORG_CUSTOMER.CUSTOMER_NAME
STORE ID	SCH_ORD.TO_LOC
STORE NAME	GEO_LOCATION.LOCATION_NAME
ITEM NUMBER	SCH_ORD_ITEMS.ITEM_IDENTIFER
CONSIGNMENT	SCH_ORD.OMS_REF
P/O NUMBER	SCH_ORD.EXTERNAL_REF
MANIFEST NO	SCH_ORD.BOOKING_REF
RECEIVED RDC	MIN(SCH_ORD_ITEM_REASONS.CREATED_DATE)
DESPATCHED RDC	MIN(SCH_ORD_ITEM_REASONS.CREATED_DATE)
POD CONFIRMED	SCH_ORD.POD_DATE
QTY	MAX(SCH_ORD_ITEMS.QTY_TO_DELIVER)

2.3 Scope

This change will be applied to system version 10.7.0



3 Set-up

3.1 Pre-requisites

None

3.2 Menu Structure

Unchanged

3.3 Data

The new report will be added to the standing data table REP_REPORT to allow it to be selected from the standard reports form. The selection criteria will be added to REP_REPORT_PARAM. The parameters for the report will be

Actual From Date

Actual From Time

Actual To Date

Actual To Time

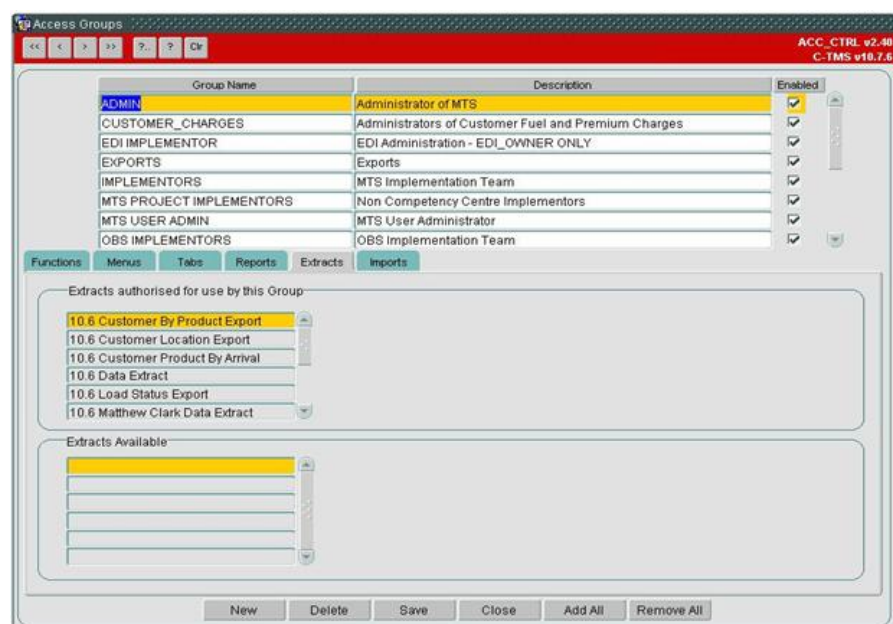
DU Type

PO Number

Manifest Number

3.4 Implementation Advice

For the export to be available in the Exports screen, it must be promoted the relevant group(s).



4 Functional Description

A new CSV export will be created in CTMS. The export will be available in the existing Exports screen. When the export is run it will display in a new window to allow the user to save or print the output. The export will be developed in the existing package DP_CSV_DUN.sql.

Seven parameters will be added to the REP_REPORT_PARAM table and these parameters will be available in the Exports screen.

- Actual From Date / Time - Date and time field
- Actual To Date / Time - Date and time field
- DU Type - Drop down list
- Supplier - Drop down list
- Store - Free text field with look up.
- P/O Number - Free text field
- Manifest Number - Free text field.

Items will be considered for the export if they have a scanned in action and scanned out action that are between the From Date/Time and To Date/Time parameters. The items will also be restricted based on the DU Type, store, supplier, PO number and manifest number if provided.

The reason codes against an item, stored in SCH_ORD_ITEMS_REASONS, will be used to identify when an item was scanned in and out of the RDC. An item that has been scanned in will have a reason code of SU or MI. Items that have been scanned out will have a reason code of SL or ML. The time that a particular reason code is applied to the item is also stored on this table, allowing the export to determine which items are to be included.

The export will show the following columns.

Field Name	Source
DU_TYPE	SCH_ORD_ITEMS.ITEM_DESCRIPTION
ITEM CREATED	SCH_ORD.CREATED_DATE
SUPPLIER CODE	SCH_ORD.FROM_LOC
SUPPLIER NAME	ORG_CUSTOMER.CUSTOMER_NAME
STORE ID	SCH_ORD.TO_LOC
STORE NAME	GEO_LOCATION.LOCATION_NAME
ITEM NUMBER	SCH_ORD_ITEMS.ITEM_IDENTIFER
CONSIGNMENT	SCH_ORD.OMS_REF
P/O NUMBER	SCH_ORD.EXTERNAL_REF
MANIFEST NO	SCH_ORD.BOOKING_REF
RECEIVED RDC	MIN(SCH_ORD_ITEM_REASONS.CREATED_DATE)
DESPATCHED RDC	MIN(SCH_ORD_ITEM_REASONS.CREATED_DATE)
POD CONFIRMED	SCH_ORD.POD_DATE
QTY	MAX(SCH_ORD_ITEMS.QTY_TO_DELIVER)

The Item Created field will be based on the created date / time of the most recent order to contain this item. The most recent order that contains this item will be the one on which the item is not prefixed with an ?X?.

The Item Created field will be based on the date and time that the order item record was created. This will therefore reflect the date and time that the supplier collection manifest was closed for the item.

The Received RDC field will be the time of the first occurrence of an SU or MI reason code against the item.

The Despatched RDC value will be the time of the first occurrence of an SL or ML reason code against the item.



The order information, PO Number, Manifest No and POD Confirmed, will be the information that belongs to the latest order that the item has been applied to. If the item is moved to a new order created during the inbound or outbound scan the order displayed in the extract should be the most recent. This should be the order on which the item is assigned and is not prefixed with an ?X?.

Note - This export will only include Item level DUs used to move order consignments through the network. Empty DU?s returned from store are not tracked. Empty DU?s returned to supplier are not tracked. Empty DUs used to ?square off? TOTE blocks are not tracked. Tote Lids are not tracked.

References

Ref No	Document Title & ID	Version	Date
1	{Detail attachments to RIO here}	.*	**/**/**

Glossary

Term or Acronym	Meaning
C-TMS	Calidus TMS

Document History

Version	Date	Status	Reason	Initials
0.1	22/09/2011	Draft	Initial version	DNG
1.0	28/9/2011	Issue	Reviewed and Issued	DJM
1.1	30/09/2011	Referred	Spec referred	DNG
2.0	30/09/2011	Issued	Reviewed and Issued	MJC



5 AUTHORISED BY

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