

291170 v1.0

Aptean Ltd
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1 291170



DHL C-TMS

Consultation on message format

FUNCTIONAL SPECIFICATION - 10.7

09/09/2011 - 1.0

Reference: FS 291170 AR-8KNKCV





2 Functional Overview

2.1 Client Requirement

Change Request Summary:

Consultation on message format, mapping through DHL Link and implementation support. Paul McGoran/Manchester/UK/NFC

Change Request Details:

Activity will include the Microlise mapping, emergency import sheet. QJI is dealt with elsewhere.

Benefits identified as a result of the change:

Interfaces maintained to other applications

2.2 Solution

Contingency Spreadsheet Import

The Contingency Spreadsheet will be loaded onto the C-TMS system using an IMPORT. The import format used will be the existing ORDER_AND_LINE format. The spreadsheet will be imported with every possible order line available, each line will be based on the British Gas Waste DU Types.

The processing of the ORDER_AND_LINE format will be amended based on the value of a new COST CENTRE PARAMETER called CONTINGENCY_IMPORT.

Based on the value of the cost centre parameter, the following functionality will be available:

- The line information in the first record of each order may be left blank without causing an error
- Only lines which have a quantity assigned will be processed, otherwise the system will ignore the line and not attempt to load it into C-TMS.
- Any unknown locations will be automatically created as part of the import.

The booking ref will not be imported as this will not be populated for contingency orders.

Microlise

A new cost centre version of the MIC_SO_REF_FORMAT parameter will be created and assigned the value 2. In the outbound flow additional code will be developed to format the so_ref based on a parameter value of 2.

New format for value 2 : TYPE-BOOKING_REF-TRIP-SEQ-ACT

2.3 Scope

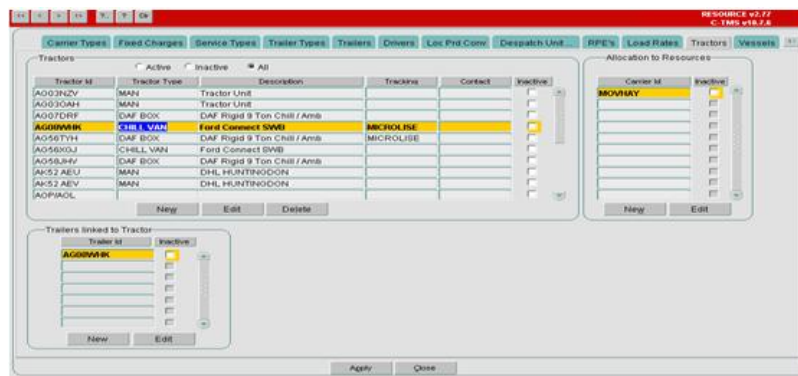
This change will be applied to system version 10.7.0.



3 Set-up

3.1 Pre-requisites

When creating the Tractor and Trailer resources, the user will be required to set the relevant tractors and/or trailers to MICROLISE ENABLED. Tractor and Trailer records are maintained in the Resources screen.



3.2 Menu Structure

Unchanged

3.3 Data

A new sequence will be created called SEQ_BGW_LOCS.

3.4 Implementation Advice

A system super user will be required to set the new cost centre parameter CONTINGENCY_IMPORT to Y. This will be completed in the System Parameter screen.

Parameter Name	Config By	Config By Value	Value	Description
COST_CENTRE_POST_MATRIX	COST_CENTRE	DHLOPE	Y	Does this cost centre use Post Matrix type charging?
MIC_CONSOL_ORDERS	COST_CENTRE	BG	Y	Consolidate the orders for the Microlise outbound XML flow
MIC_CONSOL_ORDERS	COST_CENTRE	STL	N	Consolidate the orders for the Microlise outbound XML flow
MIC_CONSOL_STOPS	COST_CENTRE	BG	Y	Consolidate the stops for the Microlise outbound XML flow
MIC_CONSOL_STOPS	COST_CENTRE	STL	Y	Consolidate the stops for the Microlise outbound XML flow
MIC_SO_REF_FORMAT	COST_CENTRE	BG	0	Format for the SO_REF for Microlise for non-consolidated
MIC_SO_REF_FORMAT	COST_CENTRE	STL	1	Format for the SO_REF for Microlise for non-consolidated
MIC_USE_STOP_ID	COST_CENTRE	BG	Y	Determines if the stop ID or the stop sequence will be use
MIC_USE_STOP_ID	COST_CENTRE	STL	Y	Determines if the stop ID or the stop sequence will be use
OMS_AVG_WEIGHT	COST_CENTRE	BGWCC	N	Uses average weight to calculate the weight against an on

A system super user will be required to promote the new Import to the relevant user groups. This is completed in the Access Control screen.



Group Name	Description	Enable
ADMIN	Administrator of MTS	<input checked="" type="checkbox"/>
CARRIERS	Carriers	<input type="checkbox"/>
CUSTOMER_CHARGES	Administrators of Customer Fuel and Premium Charges	<input type="checkbox"/>
EDI IMPLEMENTOR	EDI Administration - EDI_OWNER ONLY	<input type="checkbox"/>
IMPLEMENTORS	MTS Implementation Team	<input type="checkbox"/>
MTS USER ADMIN	MTS User Administrator	<input type="checkbox"/>
NETWORK RAIL	Network Rail	<input type="checkbox"/>
OPENFIELD SUPERUSERS	OPENFIELD SUPERUSERS	<input type="checkbox"/>

Imports authorised for use by this Group

Carrier_Lane
Contacts
Contract
Decode
Fixed_Route
Lane

Imports Available

Carrier_Lane_FS
Order_Import_NRHEAVY

New Delete Save Close Add All Remove All

A system super user will be required to set the new COST CENTRE parameter MIC_SO_REF_FORMAT to 2 for BGWCC.

Parameter Name	Config By	Config By Value	Value	Description
MIC_SO_REF_FORMAT	COST_CENTRE	BQSMCC	0	Format for the SO_REF for Microlise for non-consolidated
MIC_SO_REF_FORMAT	COST_CENTRE	STLCC	1	Format for the SO_REF for Microlise for non-consolidated
MIC_SO_REF_FORMAT	SYSTEM	NONE	0	Format for the SO_REF for Microlise for non-consolidated



4 Functional Description

4.1 Contingency Import

A new import configuration will be created in the imports maintenance screen. The config will be based on the following fields:

FIELD TYPE	SOURCE VALUE
ACTION	A
EXT_REF	2
CUSTOMER	18
COST_CENTRE	10
DEL_TYPE	9
FRLOC_NAME	12
FRLOC_TYPE	HOME
FRLOC_ADDR1	13
FRLOC_ADDR2	14
FRLOC_TOWN	15
FRLOC_CNTY	17
FRLOC_C_CODE	GB
FRLOC_PCODE	16
FRLOC_TYPE	DEL
TO_LOC	19
EARLY_AVAIL	4
LATE_AVAIL	5
EARLY_DEL	6
LATE_DEL	7
GROUP_NAME	8
PRODUCT	WASTE
DU_TYPE	20
QTY	21
WEIGHT_KG	22
SPECIAL_INSTR	23
BOOKING_REF	3
REC_TYPE	1
LINE_PRODUCT	WASTE
LINE_DU_TYPE	2
LINE_QTY	3
LINE_WEIGHT_KG	4

The import type TI_ORDER is currently processed in the import package (IMP.sql). Changes will be made to the existing procedure based on the value of the new COST CENTRE parameter CONTINGENCY_IMPORT.

Changes to the procedure will include the following functionality:

- The schedule date will be created based on the value of the EARLY_AVAIL field.
- The Booking Ref will never be populated as this field is optional in C-TMS.
- The following fields defined as ORDER_AND_LINE and sourced from columns 20,21 and 22 will always be null as these fields are optional in C-TMS.
 - ◆ DU_TYPE
 - ◆ QTY
 - ◆ WEIGHT_KG
- Any unknown collection locations will be automatically created. The location id will be generated as the characters ?BGW? and the next value of a new sequence number.



- All line records which have no quantity assigned will be ignored in processing and only records where a quantity is included will be selected and imported. Where the quantity is not set, the code will continue to the next line.

In the sample file below, only lines 5 and 8 will be processed, the code process the other lines ignoring the records as there is no quantity assigned.

	A	B	C	D	E	F	G
1	ORDER A	FS63827733		03/08/2011 08:00	03/08/2011 12:00	04/08/2011 08:00	04/08/2011
2	LINE	ASBESTOS STORAGE RADIATORS					
3	LINE	BAGS					
4	LINE	BATH					
5	LINE	BOILER	1	200			
6	LINE	BOILER CASING					
7	LINE	BONDED CEMENT					
8	LINE	BOX	3	50			
9	LINE	BRICKS					
10	LINE	CARDBOARD					
11	LINE	CISTERN					
12	LINE	COAL BUNKERS					
13	LINE	COOKER					
14	LINE	CUPBOARD					
15	LINE	CYLINDER					
16	LINE	CYLINDER JACKET					
17	LINE	DRUM					
18	LINE	DUCTING					
19	LINE	FIRE					
20	LINE	FITTINGS					
21	LINE	FLUORESCENT TUBES					

4.2 Microlise

A new COST CENTRE parameter MIC_SO_REF_FORMAT will be created for cost centre BGWCC. The parameter will be set to 2. In the MICROLISE package (INT_XML_MIC.sql), code will be added to process a value of 2 for the Cost centre parameter MIC_SO_REF_FORMAT.

If the parameter has been set to 2, the so_ref will be generated based on the following data combined.

Field	Value
STOP_TYPE	C- or D-
BOOKING_REF	SCH_ORD.BOOKING_REF
TRIP_ID	SCH_TRIP.TRIP_ID
STOP_NO	SCH_TRIP_STOP.STOP_NO
T_ACTIVITY	L or U

References

Ref No	Document Title & ID	Version	Date
1	EST 291170 AR-8KNKCV Consultation on message format v0.1	0.1	17/08/11

Glossary

Term or Acronym	Meaning
C-TMS	Calidus TMS

Document History



Version	Date	Status	Reason	Initials
0.1	07/09/11	Draft	Initial version	SEW
0.2	09/09/11	Review	Reviewed	MJC
1.0	09/09/11	Issue	Reviewed and issued	MJC



5 AUTHORISED BY

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