# 291170 v1.0

# Contents

**1 291170**

DHL C-TMS

# Consultation on message format

FUNCTIONAL SPECIFICATION - 10.7

09/09/2011 - 1.0
Reference: FS 291170 AR-8KNKCV

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# 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.

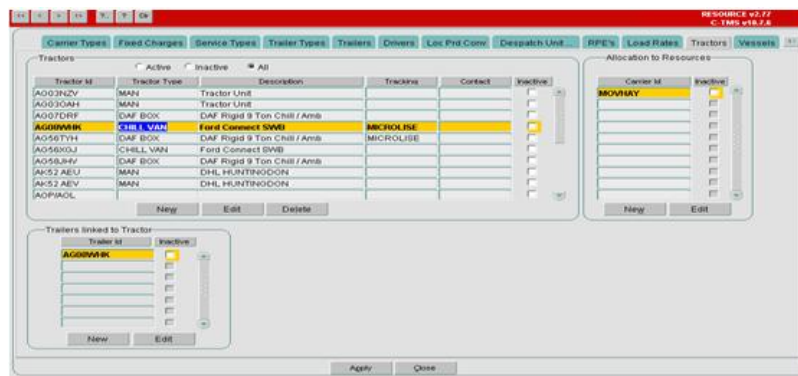New format for value 2 : TYPE-BOOKING_REF-TRIP-SEQ-ACT

## 2.3 Scope

This change will be applied to system version 10.7.0.

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# 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.



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.

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

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# 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.

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- 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 | FLOURESCENT 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**

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| 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 |

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# 5 AUTHORISED BY

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