

**291113 v1.0**

Aptean Ltd  
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1 291113



DHL C-TMS

## Include del point reference data

FUNCTIONAL SPECIFICATION - 10.7

26/08/2011 - 1.0

Reference: FS 291113 AR-8KLNAN





## 2 Functional Overview

### 2.1 Client Requirement

#### Change Request Summary:

Include the del point reference data so Paragon is aware of vehicle type required for order and whether 1 or 2 man Paul McGoran/Manchester/UK/NFC

#### Change Request Details:

Include the service/delivery type. With this information and with the booking ref order prefix, the current icon and colour coding of the sites in current Paragon configuration can be maintained. Consultation on message format and implementation support. Provide Paragon with sufficient information in the Paragon export file to support planning & manual plan review with "iconography"

#### Benefits identified as a result of the change:

Existing Paragon planning mechanism is maintained

### 2.2 Solution

In order to allow Paragon visibility of the British Gas Waste's order reference and the requirement for two resources for a given collection the extract of orders to paragon will be amended to include two new data fields. The inclusion of the two new data fields will be controlled by the cost centre parameter PARAGON\_INSTALLED. If the parameter is set to ?BGW?, the two fields will be selected and sent as part of the extract.

The new fields being mapped are as follows:

C-TMS Field Name	Paragon Field Name
2MAN_FLAG	CALL.TEXT17
BOOKING_REF	CALL.TEXT18
CUSTOMER_ACCOUNT	CALL.TEXT19
ROUTE_NUMBER	CALL.USER17
TRIP_NUMBER	CALL.USER18
VEHICLE_TYPE	CALL.TEXT20

The Delivery Point Reference (DEL\_POINT\_REF) field from the Order Header Table (SCH\_ORD) will be manipulated to return a value of Y or N to be passed as the 2\_MAN\_FLAG

The Booking Reference field (BOOKING\_REF) will also be selected directly from the Order Header table (SCH\_ORD) and sent as part of the extract.

### 2.3 Scope

This change will be applied to system 10.7.0.



## 3 Set-up

### 3.1 Pre-requisites

COST\_CENTRE parameter PARAGON\_INSTALLED has been set to the British Gas Waste configured Cost Centre centre e.g. ?BGWCC?.

### 3.2 Menu Structure

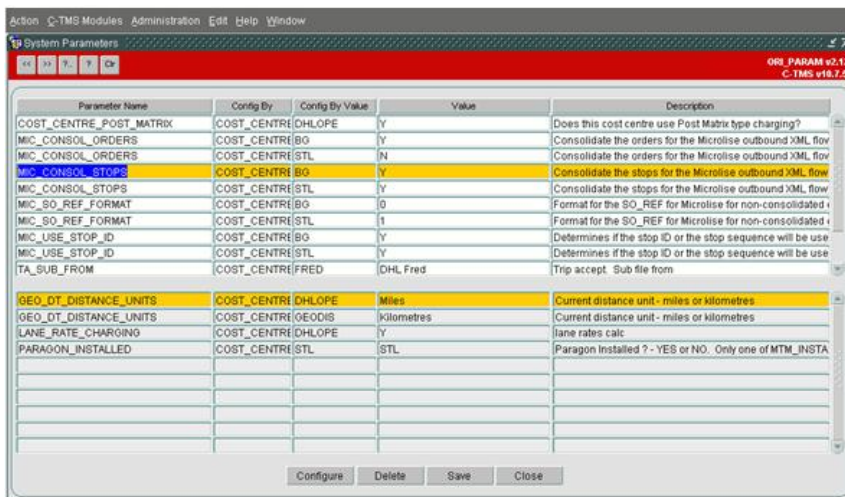
Unchanged

### 3.3 Data

No data changes

### 3.4 Implementation Advice

A new COST CENTRE parameter will be created called PARAGON\_INSTALLED, the cost centre value should be set to BGW by a system super user in the system parameters screen as displayed below:



Parameter Name	Config By	Config By Value	Value	Description
COST_CENTRE_POST_MATRX	COST_CENTRE	DHLOPE	Y	Does this cost centre use Post Matrix type charging?
MIC_CONSOL_ORDERS	COST_CENTRE	BO	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	BO	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	BO	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	BO	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
TA_SUB_FROM	COST_CENTRE	FRED	DHL Fred	Trip accept Sub file from
GEO_DT_DISTANCE_UNITS	COST_CENTRE	DHLOPE	Miles	Current distance unit - miles or kilometres
GEO_DT_DISTANCE_UNITS	COST_CENTRE	OEODIS	Kilometres	Current distance unit - miles or kilometres
LANE_RATE_CHARGING	COST_CENTRE	DHLOPE	Y	lane rates calc
PARAGON_INSTALLED	COST_CENTRE	STL	STL	Paragon Installed ? - YES or NO. Only one of MTM_INSTA

This will be added as part of RIO: 291113 AR-8KLNAN Include del point reference data



## 4 Functional Description

There will be 6 new fields extracted and sent as part of the paragon export. In addition to the new fields, current data sent will be amended based on specific British Gas Waste requirements.

The cost centre parameter PARAGON\_INSTALLED will be used to control when the new British Gas Waste functionality is run.

### 4.1 New Paragon Export Fields

The six new fields are detailed below, listing the name of the field and the format type for paragon.

C-TMS Field Name	Paragon Field Name
2MAN_FLAG	CALL.TEXT17
BOOKING_REF	CALL.TEXT18
CUSTOMER_ACCOUNT	CALL.TEXT19
ROUTE_NUMBER	CALL.USER17
TRIP_NUMBER	CALL.USER18
VEHICLE_TYPE	CALL.TEXT20

2MAN\_FLAG will be derived from the data in the DEL\_POINT\_REF field of the order table. Where this field starts with the value 2M, 2MAN\_FLAG will be set to ?Y?, for all other cases the 2MAN\_FLAG will be set to ?N?.

BOOKING\_REF will be a direct select from the Booking Reference (BOOKING\_REF) field of the order header table (SCH\_ORD).

CUSTOMER\_ACCOUNT will be a spare field where C-TMS will pass an empty field to Paragon.

ROUTE\_NUMBER, TRIP\_NUMBER and VEHICLE\_TYPE, will only be populated for ?Scheduled for Collection? (?SCHED\_COLL?) orders. SCHED\_COLL orders will be orders which have been collected on a Saturday but due to opening time constraints at waste sites, were not unloaded at a waste site/recycling centre. Instead they were taken back to the depot and left on the vehicle for the remainder of the weekend. The status reflects that the order has been scheduled for collection but the delivery to an end destination has not yet been scheduled.

As described in Section 3.6 of 291113 AR-8KLNAN Include del point reference data, For SCHED\_COLL orders, C-TMS will receive a trip number and route number from Paragon for the trip being created these will be concatenated together to allow C-TMS to plan shuttle runs where the driver may visit a given waste site more than once on a particular trip..

This concatenated data will need to be split back into Paragon?s TRIP\_NUMBER and ROUTE\_NUMBER from the C-TMS Route Code field (ROUTE\_CODE).

C-TMS?s Trailer Type (TRAILER\_TYPE) will be passed to Paragon as Vehicle Type (VEHICLE\_TYPE).

### 4.2 Amendments to Existing Paragon Fields

The data in the following fields sent to Paragon will be amended specifically for British Gas Waste. The functionality will be controlled by the PARAGON\_INSTALLED system parameter.

C-TMS Field Name	Paragon Field Name
LOCATION_ID	CUST.ID
DELIVERY_UNIT_TYPE	CALL.TEXT12



QUANTITY CALL.USER12

The LOCATION\_ID will be set to the Current Location of the Order (CURRENT\_DEPOT) for SCHED\_COLL orders. For UNSCHEDULED orders, the LOCATION\_ID will be set to the Orders ?Collect From? location (FROM\_LOC).

DELIVERY\_UNIT\_TYPE for CALL.TEXT12 will be fixed text ?WASTE? for all British Gas Waste orders.

The QUANTITY for CALL.USER12 will be set to a total of the quantities on the order.

The following fields will all be set to blank prior to passing to Paragon

C-TMS Field Name	Paragon Field Name
DEPOT_ID	CALL.DEPOT_ID
DELIVERY_UNIT_TYPE	CALL.TEXT13
QUANTITY	CALL.USER13
DELIVERY_UNIT_TYPE	CALL.TEXT14
QUANTITY	CALL.USER14
DELIVERY_UNIT_TYPE	CALL.TEXT15
QUANTITY	CALL.USER15
DELIVERY_UNIT_TYPE	CALL.TEXT16
QUANTITY	CALL.USER16

## References

Ref No	Document Title & ID	Version	Date
1	EST-291113 AR-8KLNAN Include del point reference data v1.0	1.0	15/08/2011

## Glossary

Term or Acronym	Meaning
C-TMS	Calidus TMS

## Document History

Version	Date	Status	Reason	Initials
0.1	23/08/2011	Draft	Initial version	SEW
0.2	24/08/2011	Draft	Revised	RDM
0.3	25/08/2011	Draft	Revised	SEW
0.4	25/08/2011	Draft	Reviewed	MJC
0.5	26/08/2011	Draft	Revised	SEW
1.0	26/08/2011	Issue	Reviewed and Issued	MJC







## 5 AUTHORISED BY

<b><i>Matt Crisford</i></b>	Development Manager
<b><i>Peter Greer</i></b>	TMSCC MTS Product Manager

