

**290897 v1.0**

Aptean Ltd  
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**A**aptean

DHL C-TMS

## Enter & Store Average Weight per DU

### FUNCTIONAL SPECIFICATION - 10.7

09/08/2011 - 1.0

Reference: FS 290897 AR-8KCAPM



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## 2 Functional Overview

### 2.1 Client Requirement

#### Change Request Summary:

Include average weight and calculate weight of order for planning (suggested RIO #2)Paul McGoran/Manchester/UK/NFC

#### Change Request Details:

Provide a mechanism to enter & store average weight per DU. Use the DU average weight to calculate weight per order, so that this is available to hand off in the Paragon interface. Consider this as a 4th priority in total RIOs for this project.

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

Allows Paragon to more accurately calculate the insertion of scrap unload sites based on vehicle fill

### 2.2 Solution

A new data column will be added to the table RES\_DESPATCH\_UNIT\_TYPE called AVG\_WEIGHT. The new data item will be displayed and maintained from the Resources screen under the Maintenance Menu, in the Despatch Unit Type tab page.

A cost centre parameter will be created called OMS\_AVG\_WEIGHT and will be populated with the value Y or N. If this cost centre parameter has been set to Y, the weight field held against the order line (SCH\_ORDER\_LINE.WEIGHT) will be populated using a calculation of the average weight for the DU type multiplied by the planned quantity.

Additionally, if the cost centre parameter has been set, the user will not be able to manually enter the weight against the order lines.

The total weight against the order will be calculated using a total of the weight at the order line level.

### 2.3 Scope

This change will be applied to system version 10.7.



## 3 Set-up

### 3.1 Pre-requisites

None

### 3.2 Menu Structure

Unchanged

### 3.3 Data

A new record will be added to the ADM\_SYSTEM\_PARAM table:

Param\_nameOMS\_AVG\_WEIGHT

Config\_byCOST\_CENTRE

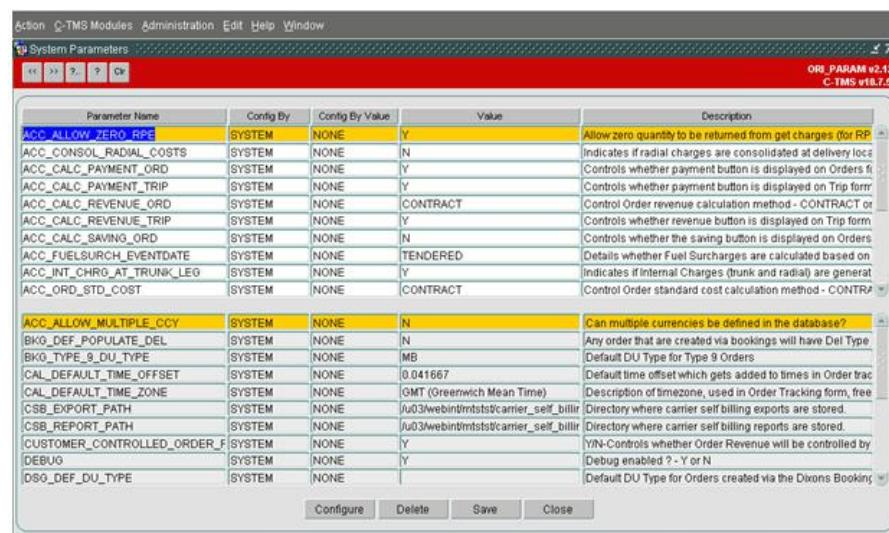
Config\_by\_valueBGWCC

ValueY

DescriptionUses average weight to calculate the weight against an order.

### 3.4 Implementation Advice

A new cost centre parameter will be added and can be edited from the System Parameter Maintenance screen. The new parameter will be called OMS\_AVG\_WEIGHT and will be created specifically for the British Gas Waste Cost Centre.



The screenshot shows a software interface for managing system parameters. The title bar reads 'Action C-TMS Modules Administration Edit Help Window'. The main window is titled 'System Parameters' and 'ADM\_SYSTEM\_PARAM v2.12 C-TMS v18.7.5'. The table lists various parameters with their descriptions. The 'Value' column for the new parameter 'OMS\_AVG\_WEIGHT' is highlighted in yellow. The 'Description' column for this parameter states: 'Uses average weight to calculate the weight against an order.' The table includes columns for 'Parameter Name', 'Config By', 'Config By Value', 'Value', and 'Description'.

Parameter Name	Config By	Config By Value	Value	Description
ACC_ALLOW_ZERO_RPE	SYSTEM	NONE	Y	Allow zero quantity to be returned from get charges (for RP)
ACC_CONSOL_RADIAL_COSTS	SYSTEM	NONE	N	Indicates if radial charges are consolidated at delivery location
ACC_CALC_PAYMENT_ORD	SYSTEM	NONE	Y	Controls whether payment button is displayed on Orders form
ACC_CALC_PAYMENT_TRIP	SYSTEM	NONE	Y	Controls whether payment button is displayed on Trip form
ACC_CALC_REVENUE_ORD	SYSTEM	NONE	CONTRACT	Control Order revenue calculation method - CONTRACT or
ACC_CALC_REVENUE_TRIP	SYSTEM	NONE	Y	Controls whether revenue button is displayed on Trip form
ACC_CALC_SAVING_ORD	SYSTEM	NONE	N	Controls whether the saving button is displayed on Orders
ACC_FUELSURCH_EVENTDATE	SYSTEM	NONE	TENDERED	Details whether Fuel Surcharges are calculated based on
ACC_INT_CHRG_AT_TRUNK_LEG	SYSTEM	NONE	Y	Indicates if Internal Charges (trunk and radial) are generated
ACC_ORD_STD_COST	SYSTEM	NONE	CONTRACT	Control Order standard cost calculation method - CONTRACT
ACC_ALLOW_MULTIPLE_CCY	SYSTEM	NONE	N	Can multiple currencies be defined in the database?
BKG_DEF_POPULATE_DEL	SYSTEM	NONE	N	Any order that are created via bookings will have Del Type
BKG_TYPE_9_DU_TYPE	SYSTEM	NONE	MB	Default DU Type for Type 9 Orders
CAL_DEFAULT_TIME_OFFSET	SYSTEM	NONE	0.041667	Default time offset which gets added to times in Order tracking
CAL_DEFAULT_TIME_ZONE	SYSTEM	NONE	GMT (Greenwich Mean Time)	Description of timezone, used in Order Tracking form, free
CSB_EXPORT_PATH	SYSTEM	NONE	/u03/webin/tmtst/carrier_self_billir	Directory where carrier self billing exports are stored.
CSB_REPORT_PATH	SYSTEM	NONE	/u03/webin/tmtst/carrier_self_billir	Directory where carrier self billing reports are stored.
CUSTOMER_CONTROLLED_ORDER_F	SYSTEM	NONE	Y	Y/N-Controls whether Order Revenue will be controlled by
DEBUG	SYSTEM	NONE	Y	Debug enabled ? - Y or N
D90_DEF_DU_TYPE	SYSTEM	NONE		Default DU Type for Orders created via the Dixons Booking

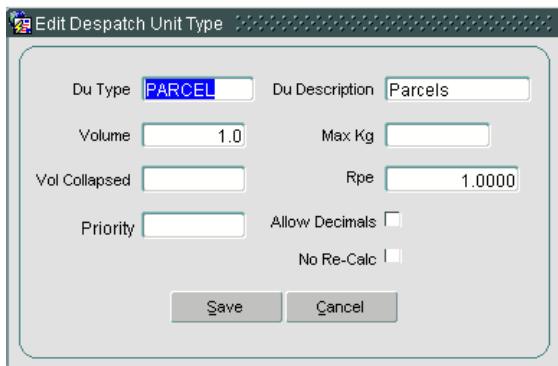


## 4 Functional Description

A new field will be added to the RES\_DESPATCH\_UNIT\_TYPE table, called AVG\_WEIGHT. The new field will be viewable via the Resources maintenance screen as displayed below:



The field will be displayed in the Edit Despatch Unit Type screen, where users will be able to update the value.



When an order line is added, the weight field will be populated based on the average weight assigned to the DU\_TYPE and the quantity. This calculation will only be triggered if the cost centre parameter has been set as required and will be performed as part of the Order validation functionality.

Product Type	DU Type	Planned				Actual				Special Flag
		Qty	Weight	Volume	Cases	RPE	Despatched	Delivered	Weight	
AMBIENT	CHEP Pallet	1		1.00000		1.00				
Original Date		1		1.00000	0	1.00				

If the parameter has been set, triggering the calculation, users will be unable to manually enter any values in the weight field. If an average weight has not been entered for a DU\_TYPE and the parameter has been set to Y, a value of 1 will be used in the calculation. In addition to calculating planned weight, if any actual quantities are populated, the system will also calculate the actual weight.

The total weight held against the order will be calculated based on the weight assigned to each order line.



## Table Updates Required

A new column will be added to the RES\_DESPATCH\_UNIT\_TYPE table called AVG\_WEIGHT.

ALTER TABLE RES\_DESPATCH\_UNIT\_TYPE

ADD COLUMN AVG\_WEIGHT NUMBER(5,2);

## References

Ref No	Document Title & ID	Version	Date
1	EST290897 AR-8KCAPM Enter & store average weight per DU v1.0	1.0	05/08/11

## Glossary

Term or Acronym	Meaning
C-TMS	Calidus TMS

## Document History

Version	Date	Status	Reason	Initials
0.1	09/08/11	Draft	Initial version	SEW
1.0	09/08/11	Issue	Reviewed and Issued	MJC



## 5 AUTHORISED BY

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