

290897 v1.0

Aptean Ltd
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1 290897



DHL C-TMS

Enter & Store Average Weight per DU

FUNCTIONAL SPECIFICATION - 10.7

09/08/2011 - 1.0
Reference: FS 290897 AR-8KCAPM





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.

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 locc
ACC_CALC_PAYMENT_ORD	SYSTEM	NONE	Y	Controls whether payment button is displayed on Orders fo
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 generat
ACC_ORD_STD_COST	SYSTEM	NONE	CONTRACT	Control Order standard cost calculation method - CONTR
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 trac
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\\mtstststsc\\carrier_self_billir	Directory where carrier self billing exports are stored.
CSB_REPORT_PATH	SYSTEM	NONE	\\u03\\webin\\mtstststsc\\carrier_self_billir	Directory where carrier self billing reports are stored.
CUSTOMER_CONTROLLED_ORDER_F	SYSTEM	NONE	Y	YN-Controls whether Order Revenue will be controlled by
DEBUG	SYSTEM	NONE	Y	Debug enabled ? - Y or N
DSO_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:

Resource Maintenance

RESOURCE v2.76
C-TMS v18.7.5

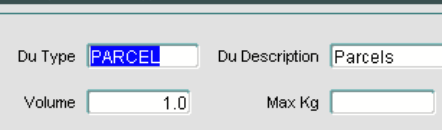
Carriers Carrier Groups Carrier Lanes Carrier Types Fixed Charges Service Types Trailer Types Trailers Drivers Loc Prd Conv Dispatch Unit Types

DU Type

DU Type	DU Description	Volume	Vol Collapsed	Max KG	RPE	Priority	Allow Decimals	No Re-Calc
PARCEL	Parcels	1.0			1.0000		<input type="checkbox"/>	<input type="checkbox"/>
MIXED	Mixed	1.0			1.0000		<input type="checkbox"/>	<input type="checkbox"/>
1 S WHITE	1 S White	1.0			2.0000		<input type="checkbox"/>	<input type="checkbox"/>
2 I WHITE	2 I White	1.0			2.0000		<input type="checkbox"/>	<input type="checkbox"/>
REEL	Reel	1.0			.0091		<input type="checkbox"/>	<input type="checkbox"/>
BREWERY	Brewery Pallet	1.0			1.3000		<input type="checkbox"/>	<input type="checkbox"/>
KILS	Kils	1.0			.2000		<input type="checkbox"/>	<input type="checkbox"/>
FIRKINS	Firkins	1.0			.2000		<input type="checkbox"/>	<input type="checkbox"/>
PINS	Pins	1.0			.2000		<input type="checkbox"/>	<input type="checkbox"/>
KEGS	Kegs	1.0			.2000		<input type="checkbox"/>	<input type="checkbox"/>
NONOK	Non OK Container	1.0			.2000		<input type="checkbox"/>	<input type="checkbox"/>
CO2	CO2 Gas	1.0			1.0000		<input type="checkbox"/>	<input type="checkbox"/>
MIXED GAS	Mixed Gas	1.0			1.0000		<input type="checkbox"/>	<input type="checkbox"/>

New Edit Delete

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



Edit Despatch Unit Type

Du Type:

Du Description:

Volume:

Max Kg:

Vol Collapsed:

Rpe:

Priority:

Allow Decimals: ☐

No Re-Calc: ☐

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.

Planned						Actual					
Product Type	DU Type	Qty	Weight	Volume	Cases	RPE	Despatched	Delivered	Weight	Volume	Special Flag
AMBERINT	CHFP 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

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

