

**292354 v1.0**

Aptean Ltd  
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DHL C-TMS

# Visability of PLUTO Route Code

FUNCTIONAL SPECIFICATION - 10.7

18/10/11 - 1.0

Reference: 292354 PM-8LZMNU



## 1.1 Client Requirement

### Change Request Summary:

Execution - Visibility of PLUTO route code (BELL DD1/1).

### Change Request Details:

Execution - Visibility of PLUTO route code (BELL DD1/1) in Trip Manipulation, Debrief, Trip Overview. Keep empty stops with no activity. Navigate to debrief from Trip Manipulation.

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

Solution design requirement.

## 1.2 Solution

The PLUTO route code will be received in the TripOrder XML file in the ?ROUTE\_CODE? item in the ?TRIP\_DETAIL? section at the trip header level and stored on the Trip Header database table in C-TMS.

The PLUTO route code will be displayed in the ?Trip Manipulation?, ?Trip Overview? and ?Trip Debrief? screens.

A system parameter will be used to determine whether the route code of the trip should be included in the trip tree name in the ?Trip Manipulation? screen, and in the trip name in the ?Trip Debrief? screen, and which format is used (e.g. trip ID before or after route code).

The route code will be included as a configurable item in the ?Trip Overview? screen to be displayed adjacent to the ?Trip ID? column.

It will be possible to call the ?Trip Debrief? screen from the ?Trip Manipulation? screen via a right-click option in the trip tree. N.B. The ?Trip Manipulation? form will need to be refreshed upon return from the ?Trip Debrief? form in case any changes have been made.

A new system parameter will be introduced to prevent the deletion of empty trip stops during processing.

## 1.3 Scope

This change will be applied to system version 10.7.0



## 2 Set-up

### 2.1 Pre-requisites

Preventing the deletion of empty stops will be covered in RIO 292349 PM-8L2MAN Pluto C-TMS Integration.

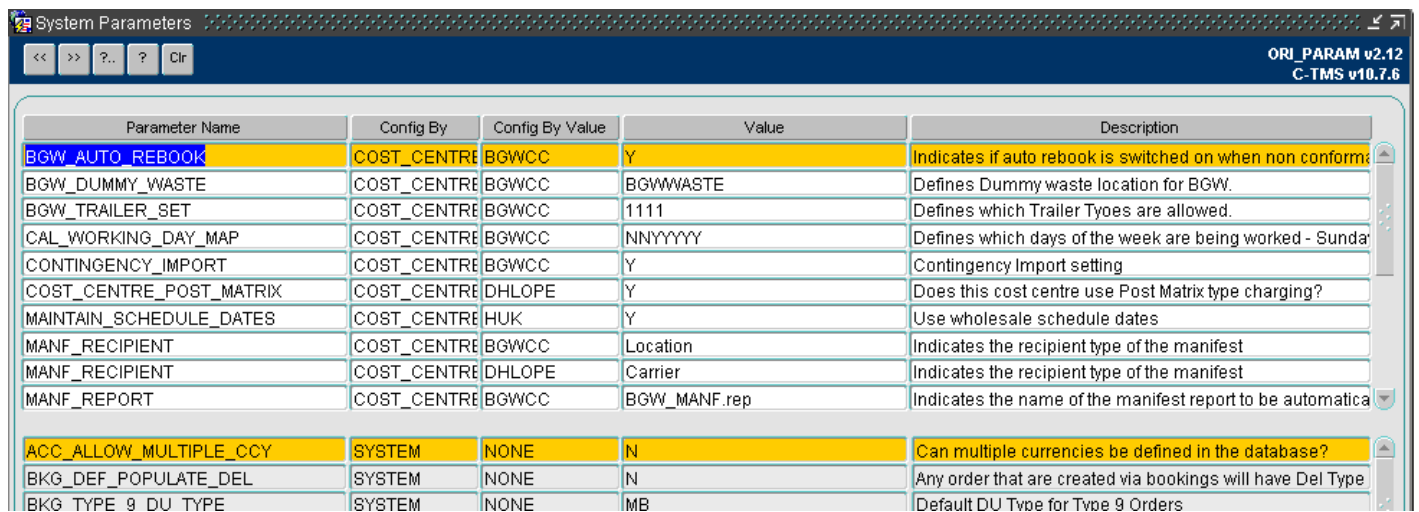
### 2.2 Menu Structure

Unchanged

### 2.3 Data

### 2.4 Implementation Advice

A super user will be required to set the values of the 2 new COST\_CENTRE parameters TRM\_TRIP\_TREE and TRM\_TREE\_FORMAT. This can be done using the system parameter maintenance screen



The screenshot shows the 'System Parameters' window with a table of parameters. The table has five columns: Parameter Name, Config By, Config By Value, Value, and Description. The parameters are listed in two sections, with the first section containing parameters related to BGW (Bogus Goods Warehouse) and the second section containing system-wide parameters.

Parameter Name	Config By	Config By Value	Value	Description
BGW_AUTO_REBOOK	COST_CENTRE	BGWCC	Y	Indicates if auto rebook is switched on when non conform
BGW_DUMMY_WASTE	COST_CENTRE	BGWCC	BGWWASTE	Defines Dummy waste location for BGW.
BGW_TRAILER_SET	COST_CENTRE	BGWCC	1111	Defines which Trailer Tyoes are allowed.
CAL_WORKING_DAY_MAP	COST_CENTRE	BGWCC	NNYYYY	Defines which days of the week are being worked - Sunda
CONTINGENCY_IMPORT	COST_CENTRE	BGWCC	Y	Contingency Import setting
COST_CENTRE_POST_MATRIX	COST_CENTRE	DHLOPE	Y	Does this cost centre use Post Matrix type charging?
MAINTAIN_SCHEDULE_DATES	COST_CENTRE	HUK	Y	Use wholesale schedule dates
MANF_RECIPIENT	COST_CENTRE	BGWCC	Location	Indicates the recipient type of the manifest
MANF_RECIPIENT	COST_CENTRE	DHLOPE	Carrier	Indicates the recipient type of the manifest
MANF_REPORT	COST_CENTRE	BGWCC	BGW_MANF.rep	Indicates the name of the manifest report to be automatica
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



## 3 Functional Description

### 3.1 Trip Screens

Pluto Route code will be received via EDI and stored in the existing ROUTE\_CODE field in the trip table (SCH\_TRIP). This field is currently displayed in the Trip Detail tab on both the Trip Manipulation and Trip Planning screens.

The screenshot shows the 'Trip Detail' tab of a software interface. At the top, there are input fields for 'Sched/Batch No' (110916), 'Not registered', 'Trip No' (MAN-00485222), and 'EFX Ref.'. Below these are several tabs: 'Trip Detail' (selected), 'Stops', 'Finance', 'Audit', 'EFX', and 'PO Detail'. The main area contains various data fields: 'Owning Depot' (EXELBAWT), 'Cost Centre' (BGWCC), 'Carrier' (EXELBAWT), 'Driver' (empty), 'Status' (ACCEPTED), 'Trip Ref.' (M393933), 'Seal No.' (empty), 'Vehicle' (empty), 'Crew 1' (empty), 'Crew 2' (empty), 'Delivery Type' (Standard), 'Bay Number' (empty), 'Container No.' (empty), 'Route Code' (empty), 'Carrier Ref.' (empty), 'Last updated' (16/09/11 10:28:55), 'Sub Contractor' (checkbox), 'FTL' (checkbox), 'GRP' (checkbox), 'Manually Modified Flag' (checkbox), 'Trip Amended Flag' (checkbox), 'Send Amended Email' (checkbox), 'Total Km' (318), 'Drive Time' (4:44), 'Elapsed Time' (7:15), and 'Enabling Sent' (16-SEP-11 10:27). There are also tabs for 'General Comments', 'Rejection Comments', 'Errors', and 'Contract Audit'.

Based on the values of 2 new cost centre parameters, the route code will be added to the label in the Trip Tree.

The screenshot shows the 'Trip Manipulation' screen. At the top, there are buttons for '?..', '?', 'Clr', 'Find', 'Trip Filter', and 'Refresh Tree'. Below these is a 'Sched' dropdown set to '110916' and a 'Search' field. The main area displays a 'Trip Tree' with the following entries: '21:03 MAN-00485222 (ACCEPTED)', '00:00 MAN-00485220 (ACCEPTED)', '00:00 MAN-00485221 (ACCEPTED)', '00:00 MAN-00485223 (ACCEPTED)', 'MAN-00485217 (PLANNED)', and 'MAN-00485218 (PLANNED)'. The first entry is highlighted in blue.

The new cost centre parameter TRM\_TREE\_ROUTE will be set to Y or N to indicate if the route code should be displayed in the Tree label. The second cost centre parameters TRM\_TREE\_FORMAT, will define how the route code is displayed in the tree label.

There will be two possible formats the user is able to select : ?TRIP\_ROUTE? and ?ROUTE\_TRIP?. If the user enters any other value, the system will treat the format as ?ROUTE\_TRIP?. If the TRM\_TREE\_ROUTE is set to ?Y? and TRM\_TREE\_FORMAT is blank, the system will treat the format as ?ROUTE\_TRIP?.

TRM\_TREE\_ROUTE Tree Label

ROUTE\_TRIP START\_TIME| |ROUTE\_CODE| |TRIP\_ID| |(TRIP\_STATUS)|

TRIP\_ROUTE START\_TIME| |TRIP\_ID| |ROUTE\_CODE| |(TRIP\_STATUS)|

### 3.2 Trip Overview (Waterfall)

The route code field will be added as a configurable item, available in each Trip block of the waterfall screen. By selecting Preferences, the user is able to define which status each block relates to. There are fields which are only available as configurable items for certain status, Route\_Code however, will be available as a configurable item in all Trip type blocks.



**Preferences**

**General**

Auto Refresh

☐ Automatically Refresh Trips

Refresh every  minutes

**Block Status**

Trip Block 1: **ACCEPTED**

Trip Block 2: **ORD\_ACCE...**

Trip Block 3: **ORD\_EN-RO...**

Trip Block 4: **ORD\_COMP...**

Trip Block 5: **ORD\_CONFI...**

Apply to Group OK Cancel

**Waterfall**

11/09/11 All Depots From To 10 Refresh Auto Refresh Off Find Trip Overview v1.38 C-TMS v10.7.6

ACCEPTED	Trip ID	Trip Status	Trailer Type	Trailer ID	Tractor	Driver	Carrier	BPS Ref	First
2	MAN-00485222	1: Bawtry_Earl B 4.2M KPT CS					EXELBawt	22062	
1: DAND	MAN-00485222	1: Bawtry_Earl B					AND DET	22062	
Alloc Resource									
3	MAN-00485222	1: Bawtry_Earl Bawtry_DN11 BHE (SU) 2: Bawtreed_M							
	MAN-00485222	1: Bawtry_Earl Bawtry_DN11 BHE (SU) 2: Bawtreed_M							
	MAN-00485222	1: Bawtry_Earl Bawtry_DN11 BHE (SU) 2: Bawtreed_M 4.2M KPT CS							
Alloc Resource									
ENROUTE	Trip ID	Trip Status	Trailer Type	Trailer ID	Tractor	Driver	Start Time	Finish Time	OMS Ref
5	MAN-00485222	1: M1/ONHE/NE					22/09/2011 23:59:10	23/09/2011 00:00:00	
1: DEFAULT	MAN-00485222	1: Gledinstbury_G KPT			BL09HNC		22/09/2011 11:00:00	23/09/2011 00:00:00	STLC222_C
Debrief	MAN-00485222	1: Gledinstbury_G KPT			BL09HNC		22/09/2011 20:00:00	23/09/2011 00:00:00	STLC222_C
	MAN-00485222	1: Gledinstbury_G KPT			BL09HNC		22/09/2011 21:00:00	23/09/2011 00:00:00	STLC222_D
	MAN-00485222	1: Gledinstbury_G KPT			BL09HNC		22/09/2011 22:00:00	23/09/2011 00:00:00	STLC224
COMPLETED	Trip ID	Trip Status	Trailer Type	Trailer ID	Tractor	Driver	Start Time	Finish Time	
0									
On To POD									
CONFIRMED	Trip ID	Trip Status	Trailer Type	Trailer ID	Tractor	Driver	Start Time	Finish Time	
0									
Debrief									
ALL	ACCEPTED	ACCEPTED	ENROUTE	COMPLETED	CONFIRMED				

### 3.3 Trip Debrief

The trip name data is displayed in the TRIP\_WATERFALL field, a drop down list located at the top of the screen. The format of the field is set when the form is opened.

**Trip Debrief**

TRIPDTL v2.105 C-TMS v10.7.6

Sched: 110916

Trip: MAN-00485222 15/09/11 21:38 EXELBawt MERSBIRK ACCEPTED

Refresh Filter Find Revalidate

The field format will be changed based on the values of the 2 new cost centre parameters created for formatting the label in the trip tree.

*Developer Notes* If TRM\_TRIP\_TREE is set to ?Y?, the ROUTE\_CODE will be included in the TRIP\_WATERFALL field, either before or after the TRIP\_ID based on the setting of the TRM\_TREE\_FORMAT parameter.

Currently, users are able to select a record in the Waterfall screen and right click to open the Trip Debrief screen for the selected record. There is code which opens the Trip Debrief screen and sets the TRIP\_WATERFALL field based on the selected record. This code will require amendment to ensure the TRIP\_WATERFALL is set to the required format.

A similar function will be added from the Trip Manipulation screen, where the user will select a record in the trip tree and from the right click menu, launch the Trip Debrief screen. This will work in the same way the Trip Debrief screen opens from the Waterfall screen.



When the Trip Debrief screen is displayed, the TRIP\_WATERFALL field is disabled and set to the selected record from the previous form. Users are able to debrief the selected trip and save the changes before closing the Debrief screen and returning to the calling form.

When the user has selected the Trip Debrief screen from the Trip Manipulation screen, on return to the Trip Manipulation screen, the trip record will be updated to reflect any changes made in the Trip Debrief screen.

If the user has made changes in the Trip Manipulation screen before they select the Debrief screen, they will be forced to commit or cancel the changes before they are able to open the debrief screen. This will prevent locking issues between the forms.

*Developer Notes: On return to the Trip Manipulation screen, you will need to indentify the trip you had originally selected and set it as the current record . To refresh the data, you will mimic the code behind the refresh\_trip command button in the toolbar. Before allowing users to open the Trip debrief screen, they must be forced to commit any changes they have made in the Trip Manipulation screens.*

## Table Updates Required

No table changes are required for this development

## Modules to be changed

Module Name	Module Type	Notes
TRIPSUM.fmb	Trip Manipulation	Change to Trip tree and debrief option
TRIP_PLAN.fmb	Trip Planning	Change to Trip tree and debrief option
TRIP_OVERVIEW.fmb	Waterfall Screen	Add route code to configurable items
TRIPDTL.fmb	Trip Debrief Screen	Change the format of the TRIP_WATERFALL field
EXECUTION.fmb	Trip Execution screen	Add route code to configurable layout

## References

Ref No	Document Title & ID	Version	Date
1	EST-292354 PM-8LZMNU Visibility of PLUTO Route Code v1.0	1.0	11/10/2011

## Glossary





Term or Acronym	Meaning
C-TMS	Calidus TMS

**Document**

Version	Date	Status	Reason	Initials
0.1	14/10/2011	Draft	Initial version	SEW
0.2	18/10/2011	Draft	Reviewed	MJC
1.0	18/10/11	Issue	Issued	MJC



## 4 AUTHORISED BY

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