

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.

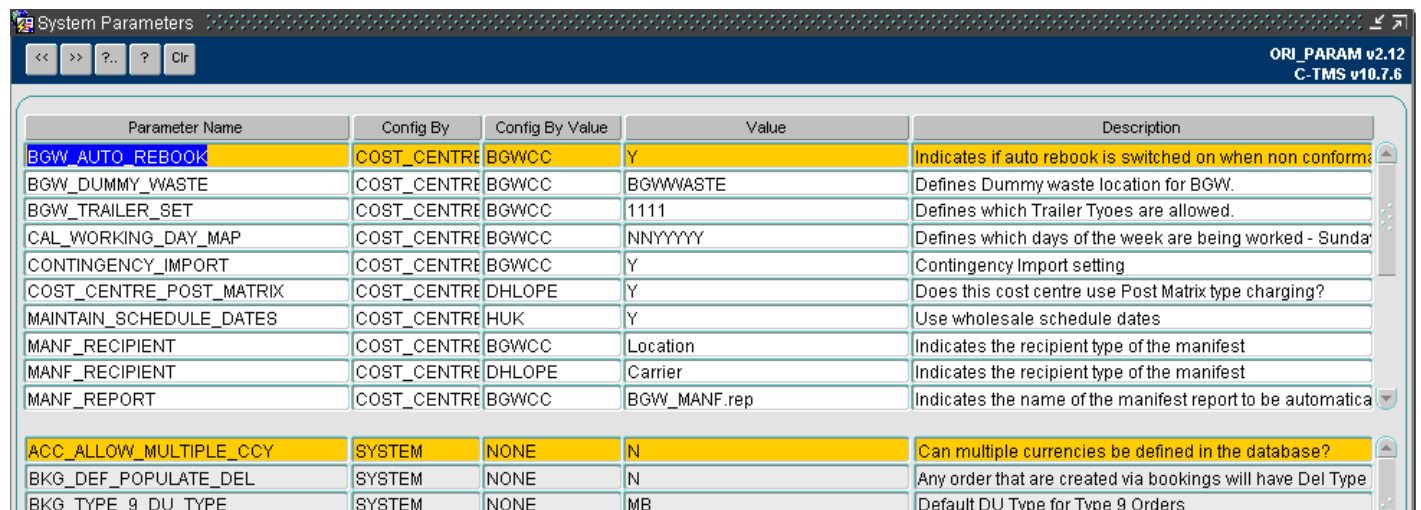
2.2 Menu Structure

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 a software window titled "System Parameters" with a toolbar containing navigation buttons (back, forward, search, help, clear) and a status bar indicating "ORI_PARAM v2.12" and "C-TMS v10.7.6". The main area displays a table of system 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 selected. The top bar contains fields for 'Sched/Batch No' (110916), 'Not registered', 'Trip No' (MAN-00485222), and 'EFX Ref.'. Below this are tabs for 'Trip Detail', 'Stops', 'Finance', 'Audit', 'EFX', and 'PO Detail'. The main area contains several input fields: 'Owning Depot' (EXELBAWT), 'Cost Centre' (BGWCC), 'Carrier' (EXELBAWT), 'Driver', 'Status' (ACCEPTED), 'Trip Ref.' (M393933), 'Seal No.', 'Vehicle', 'Crew 1', 'Crew 2', 'Container No.', 'Route Code' (highlighted with a red box), 'Carrier Ref.', 'Delivery Type' (Standard), 'Last updated' (16/09/11 10:28:55), 'Sub Contractor', 'Bay Number', 'FTL' (checked), 'GRP', 'Manually Modified Flag' (checked), 'Trip Amended Flag', 'Send Amended Email' (checked), 'Total Km' (318), 'Drive Time' (4:44), 'Elapsed Time' (7:15), and 'Enabling Sent' (16-SEP-11 10:27). At the bottom are 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 are buttons for '?..', '?', 'Clr', 'Find', 'Trip Filter', and 'Refresh Tree'. Below is a 'Sched' dropdown set to '110916' and a 'Search' field. The 'Trip Tree' displays a list of trips: '21:03 MAN-00485222 (ACCEPTED)' (highlighted in blue), '00:00 MAN-00485220 (ACCEPTED)', '00:00 MAN-00485221 (ACCEPTED)', '00:00 MAN-00485223 (ACCEPTED)', 'MAN-00485217 (PLANNED)', and 'MAN-00485218 (PLANNED)'.

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

Waterfall

11/09/11 All Depots From To 10 Refresh Auto Refresh Off Find Trip Close 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 | 22092 | |
| 1: DAND | MAN-00485222 | 1: Bawtry_Earl B | | | | | AND DET | 22092 | |
| 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: M/L ON H/E H/E | | | | | 22/09/2011 23:59:10 | 22/09/2011 23:59:10 | |
| 1: DEFAULT | MAN-00485222 | 1: Gledinstbury_G KPT | | | BL09HNC | | 22/09/2011 11:00:10 | 22/09/2011 11:00:10 | STLC222_C |
| Debrief | MAN-00485222 | 1: Gledinstbury_G KPT | | | BL09HNC | | 22/09/2011 20:00:10 | 22/09/2011 20:00:10 | STLC222_C |
| | MAN-00485222 | 1: Gledinstbury_G KPT | | | BL09HNC | | 22/09/2011 21:00:10 | 22/09/2011 21:00:10 | STLC222_D |
| | MAN-00485222 | 1: Gledinstbury_G KPT | | | BL09HNC | | 22/09/2011 22:30:10 | 22/09/2011 22:30:10 | 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

<< < > >> ? ? Ctrl

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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