

**249771**

Aptean Ltd  
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## 2 261673-MA-7PCNBY Add Fields to CN Warehouse Extract

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## 3 Functional Overview

### 3.1 Client Requirement

Amend the code referenced in the Trip Manipulation, Trip Planning and Trip Summary forms so that the Owing Depot is applied to a trip based on the following:

8When a Carrier is applied to a Trip the Owing Depot should be the Hub Location assigned to that Carrier (in resource maintenance), this is regardless of whether Start and End at Hub is enforced.

- If a Trip is created and saved with a Carrier that does not have a Hub Location (i.e. Haulier) the Owing Depot should default to the first RDC stop on the Trip, regardless of whether this is PK or DL.
- If there are no stops on the Trip associated with an RDC location the user should not be able to save the Trip without manually assigning an Owing Depot, this should be reflected in a message which I believe is currently in place: "Changes cannot be saved as Owing Depot is NULL".

As part of this development the functionality currently used to prompt a user to enter a carrier when creating a Trip should be added to the Apply via x-dock locations function. In addition to this the code should be amended to prevent a Trip being saved without a Carrier having been applied (Fixed Routes will need to be checked as part of this to ensure it will follow the correct rule).

### 3.2 Solution

The existing code, in Trip Manipulation, Trip Planning and Trip Summary forms, will be changed so that the owing depot is applied to the trip based on the rules below.

- When a Carrier is applied to a Trip the Owing Depot will be defaulted to the Hub Location assigned to that Carrier (from table RES\_CARRIER column HUB\_LOCATION), this is regardless of whether start and End at Hub is enforced.
- If a Trip is created and saved with a Carrier that does not have a Hub Location (i.e. Haulier) the Owing Depot will default to the first RDC stop on the Trip, regardless of whether this is PK or DL.
- If there are no stops on the Trip associated with an RDC location then the message "Changes cannot be saved as Owing Depot is NULL" will be displayed and the user will not be able to save the Trip without manually assigning an Owing Depot.

A new field will be added to the Apply x-dock pop-up window to accommodate the carrier. The User will be forced to enter a carrier before the trip can be saved.

### 3.3 Scope

This change will be applied to system version 10.6.



## 4 Functional Description

### 4.1 Owning Depot.

The owning depot will be taken from one of three places. The first place that will be used is the Hub location that has been assigned to the carrier. This is stored on the REC\_CARRIER table, column HUB\_LOCATION. This value will be used regardless of whether the start and end hub has been enforced.

The screenshot shows the 'Resource Maintenance' application window. The title bar indicates 'RESOURCE v2.43' and 'MTS v10.5.0'. The window contains a tabbed interface with tabs for Carriers, Carrier Groups, Carrier Types, Fixed Charges, Service Types, Trailer Types, Trailers, Drivers, Despatch Unit Types, Load Rates, and Tractors. The 'Carriers' tab is active, displaying a table with the following columns: Carrier ID, Name, Group, Carrier Ty..., Haul Unit, Hub Loc, Start End Hub Hub, BC Type, TMS Ref, HQ Loc, Exp Ty..., VAT No, MS, TT, SS, SF, OTF, and Alternate Carrier. The table lists various carriers, including BAYLIS, BBW HAUL, BEAUCOV, BEELINE, BELLS, BELLSHILL, BENTONS, BEST, BG RIGID, BG VAN, BHFREIGHT, BIBBYS, BINGHAM, BLT, BOMFORD, BOND TPT, BOOKER, BOONTSPT, BOOTS, and BORDER. The 'BAYLIS' carrier is highlighted in yellow. Below the table, there are buttons for 'New Carrier', 'Contacts', 'Edit', 'Delete', 'MTM Alternative Carrier', and 'Alternate Carrier'. At the bottom of the window, there are 'Apply' and 'Close' buttons.

If the Carrier on the trip does not have a hub assigned, the owning depot will be set to the first RDC stop on the TRIP.

Finally if the carrier does not have a hub assigned and there is no Stops associated with an RDC, a message will be displayed prompting the user to assign a depot manually. The user will not be able to save the trip until an owning depot is assigned.

An owning depot field will be added to the Trip Summary screen to allow the users to manually enter the owning depot if required. The Trip Manipulation and planning screens already have an owning depot field.

When creating a X-dock trip the user will be able to add a carrier to the trip(s). A new field will be added to the X-dock pop up screen to allow the carrier to be entered. If a carrier is entered the owning depot will default as detailed above. If no carrier is entered the owning depot will default to the first RDC stop on the trip. If the owning depot is still NULL no changes will be allowed to the trip until the owning depot is manually entered by the user.



X-dock Order

Sched 060811 OMS Ref 396329 Cust Ref 456253

Collect From EXELBELL Bellshill\_Exel Bellshill\_ML4 3JB

Deliver To ASDAGRAN Grangemo\_Asda Grangemouth\_FK3 8YE

☐ Show Inactive locations

Location Id	Location Name	New Trip?	Schedule	Trip Id	Carrier
		<input checked="" type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			

OK Cancel New Delete

As part of this change the fixed routes screen will be changed to follow the same rules mentioned, above.

Route Detail

Routes\_MAINT v2.20  
MTS v10.5.0

Detail Audit

Route Code Llantarnham Name Llantarnham to knowsley

Depot EXELKNOW Knowsley\_Exel - Burtons\_L33 7sg

Priority 1 Max Trips 10 Inactive ☐

Carrier Id HAULIER TBC Trailer Type 44ft CS Cost 210.00

Sun ☒  
Mon ☒  
Tue ☒  
Wed ☒  
Thu ☒  
Fri ☒  
Sat ☒

Seq	Stop Type	Region	Location Id	Location Name	Mand	Fixed	PK/DL	Priority	Offset	Time	Early	Late	Fill Factor
1	Location		BURTLLAN	Burtens_Llantarnham Fact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1000	16:40	4000	4000	0.92
2	Location		EXELKNOW	Knowsley_Exel - Burtons	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1000	16:40	4000	4000	
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						

Add Loc Stop Add Reg Stop Delete Stop

OK Cancel

When generating trips from fixed routes, the owning depot of the trip will be defined based on the rules:-

If carrier has a hub location this will be used.

If the carrier does not have a hub location, the owning depot will be the first RDC stop on the trip

If there is no RDC stop on the trip the owning depot will be the Depot the user has entered, and if this is null the user will be required to enter a depot manually.



## 5 References

Ref No	Document Title & ID	Version	Date
1	EST-249771 AS-765E9J Fix to Owning Depot Issue v1.doc	1	20/05/08





## 6 Document History

Version	Date	Status	Reason	Initials
1a	02/05/08	Draft	Initial version	DNG
1	05/09/08	Review	Initial Review	JAT
1	25/09/08	Review	Review	JAT
2	29/09/08	Issue	Review and Issue	DJM
3a	30/09/08	Draft	Review (Fixed Routed Process)	DNG



## 7 Authorised By

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