

**249378**

Aptean Ltd  
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## 2 249378 (PA-7DDFH9) Check and enhance EFX data export

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## 3 Functional Overview

### 3.1 Client Requirement

Check Data compilation for EFX extract FileAdd 'Expiry Date and Time' to output fields.

### 3.2 Solution

The EFX file will be sent when the following conditions are met:-

- A trip was at a status of planned
- EFX Carrier assigned
- EFX Box ticked
- Pop up payment box populated with rate etc
- OK button pressed
- Trip Set to Status Tendered

Two extra fields will be added to the generation of the output file. These fields will be taken from the column TRIP\_EXPIRY\_TIME on the SCH\_TRIP table. This column contains both the expiry date and time. The payments popup screen will be amended to allow the user to enter the Expiry date and time. The existing fields on [Trip Manipulation](#) and [Trip Planning](#) will be display only.

The outbound and inbound EFX flows will amended to match the mapping provided.

### 3.3 Scope

This change will be applied to system version 10.6 on CONTST and once approved CONPRD.



## 4 Functional Description

The EFX message is currently sent when the trip is set to status TENDERED. However the message informing the user that the message has been sent is displayed at the wrong point. This will be changed so that the message only appears when the message has been sent.

The message will only be triggered under the following conditions:-

- A trip was at a status of planned
- EFX Carrier assigned
- EFX Box ticked
- Pop up payment box populated with rate etc
- OK button pressed
- Trip Set to Status Tendered

The screenshot displays the TRIPSUM v2.114 MTS v10.5.0 software interface. The 'Payment Details' window is open, showing fields for Event Ref (080605-MAN-00455755), Debit Account (EXEL), Credit Account, Type, Status, and Amount. The main window shows a trip schedule table with columns: P, Dep, A, Arr, A, DepType, Location, Trailer Type, Trailer Id, and Break. The table contains two rows of data: one for a trip from Thetford to Thetford (45ft CS) and another for a trip from Nottingham to Nottingham (45ft CS). Below the table, there are fields for Weight on Departure, RPE on Departure, Km from previous stop, and Time from prev stop. The 'Activity' field is set to 'Load' and the 'RPE' field is set to '1.00'. The 'Status' field is set to 'INVALID' and the 'Current' field is set to 'Current'. The 'Layout' field is set to '1: virdee' and the 'Plan Reg' field is set to '1'. The 'From' field is set to 'GMSPEKE' and the 'To' field is set to 'GMDERBY'. The 'Collect From' field is set to '05/06/08 00:00' and the 'Until' field is set to '23:59'. The 'Deliver From' field is set to '05/06/08 00:00' and the 'Until' field is set to '23:59'. The 'Weight' field is set to '0' and the 'Cases' field is set to '0'. The 'RPE' field is set to '1.00'. The 'Refresh' and 'New Order' buttons are visible. The 'Clear' and 'Order Filter' buttons are also visible.

P	Dep	A	Arr	A	DepType	Location	Trailer Type	Trailer Id	Break
12:30					SU	Thetford_DHL Thetford_IP24 1HB	45ft CS		
15:33					CL	Nottingh_DHL_NG10 1PR	45ft CS		

OMS Ref	Customer	Cust Ref	From	To	To Plan	Collect From	Until	Deliver From	Until	Weight	Cases	RPE
988367			GMSPEKE	GMDERBY	Reg_4	05/06/08 00:00	23:59	05/06/08 00:00	23:59	0	0	1.00
988869	KCCCUST	KCC_CUST2_R1	EXELBAWT	DHLHUNT	Reg_5	07/06/08 00:00	23:59	07/06/08 00:00	23:59	5000	0	50.00
988889	KCCCUST	KCCCUST5_R1	EXELBAWT	DHLHUNT	Reg_5	07/06/08 00:00	23:59	07/06/08 00:00	23:59	2200	0	22.00
988828	KCCCUST	CUSTKCC_R1	EXELBAWT	DHLHUNT	Reg_5	07/06/08 00:00	23:59	07/06/08 00:00	23:59	10000	0	10.00
988847	KCCCUST	KCC_CUST_R1	EXELBAWT	DHLHUNT	Reg_5	07/06/08 00:00	23:59	07/06/08 00:00	23:59	500	0	5.00
988887	KCCCUST	KCC_CUST4_R1	EXELBAWT	DHLHUNT	Reg_5	07/06/08 00:00	23:59	07/06/08 00:00	23:59	5000	0	5.00

Two fields will be added to the Payment Details window that will allow the user to enter the expiry date and time. The current fields on Trip Manipulation / planning will become display only and will pick up the values from the data entered in the Payment details window.



Action MTS Modules Administration Edit Help Window

Payment Details

Event Ref: 080404-MAN-00428097

Debit Account: EXEL

Credit Account: DHLMKCAD

Type: [Dropdown]

Status: [Dropdown] EXPIRY DATE TIME

Amount: [Text]

OK Cancel

Calculate Times Revalidate Message Save Cancel Close

Not registered Trip No: MAN-00428097 EFX Ref: [Text]

Finance Audit

P	Dep	A	Arr	A	DepType	Location	Trailer Type	Trailer Id	Break
08:30					SU	DHL_CADBURY_MILT	RIGID 9 TON		
22:28					DL	Warrington_DHL Cadbu	RIGID 9 TON		2:15
01:49					CL	DHL_CADBURY_MILT	RIGID 9 TON		

Weight on Departure: .00

RPE on Departure: 4.00

Km from previous stop: 0

Time from prev stop: 0

Seq: 1 Activity: Load Cust Ref: TEST DATA RPE: 4.00

Move: [A] [V]

Sched: 080404 Plan Reg: [Dropdown] From: [Text] To: [Text] Loc: [Text] Wgt: [Text] Vol: [Text] RPE: [Text]

Layout: 1: default # 1 Curr Loc: [Text] Status: UNSCHEDULED Current: [Text]

Customer	Cust Ref	Del Point Ref	From	To	To P...	Collect From	Until	Deliver From	Until	Cases	RPE
GREEN&L	8062300		DHLMKCAD	DHL_CADBUF MORRBELL	Bellshill_Morrisons ML	04/04/08 00:00	23:59	04/04/08 00:00	23:59	28	1.00
SILVER S	03270009		SILVBURY	Bury St Edmu	DHLHUNT	04/04/08 00:00	23:59	04/04/08 00:00	23:59	551	6.00
SILVER S	03270010		ALLIBISH	Bishop Stor_	DHLHUNT	04/04/08 00:00	23:59	04/04/08 00:00	23:59	2416	24.00
KRAFT	00003765_R2		DHLBIC	DHL_BICEST	SOMEBRID	05/04/08 03:00	12:00	05/04/08 11:55	12:00	0	1.00

The above screen changes will be applied to both the **Trip Manipulation** screen and the **Trip Planning** screen.

The outbound file will be changed to match the mapping shown below. Outbound files will be put in the directory /webint/<database>/interface/out to be collected.



Field name	Datatype	Example
RECHEADSTART	Text	<RECHEADSTART>
MTS_OPERATION	Text	ODFF
MESSAGE_TYPE	Text	EPX_TRIP_DETAILS
TIMESTAMP	DateTime (DDMMQYY)	25/07/2007 16:29:50
RECHEADEND	Text	<RECHEADEND>
<b>Details</b>		
EFXTRIPDTLSTART	Text	<EFXTRIPDTLSTART>
Trip Number	Text	MAN1234
Owning Depot	Text	Test Depot
Risk/RK Loc Name	Text	Test Depot
Risk/RK Loc Post Code	Text	OX16 3
Pick by Date	DateTime (DDMMQYY)	25/07/2007
Pick by Time	DateTime (HH24:MM)	13:00
Risk/RK Dep Date	DateTime (DDMMQYY)	25/07/2007
Risk/RK Dep Time	DateTime (HH24:MM)	13:54
Sum of delivery DUs on Trip (Integer)	Integer	12
DU Type from first line of first order	Integer	CHBP PALLET
Sum of delivery Weight on Trip (Integer)	Double	
Trip Cost	Double	123
Expiry Date	DateTime (DDMMQYY)	25/07/2007
Expiry Time - 2 Hours	DateTime (HH24:MM)	11:54
Trailer Type via decode	Text	
Carrier via Decode if not EPX	Text	CARRIER 01
Temperature Type from first order	Text	AMBIENT
First DU Loc Post Code	Text	
First DU Loc Name	Text	
Latest delivery date from order at first DU stop	Text	
Latest delivery time from order at first DU stop	Text	
Second DU Loc Name	Text	
Latest delivery date from order at second DU stop	Text	
Latest delivery time from order at second DU stop	Text	
Third DU Loc Name	Text	
Latest delivery date from order at third DU stop	Text	
Latest delivery time from order at third DU stop	Text	
Fourth DU Loc Name	Text	
Latest delivery date from order at fourth DU stop	Text	
Latest delivery time from order at fourth DU stop	Text	
Fifth DU Loc Name	Text	
Latest delivery date from order at fifth DU stop	Text	
Latest delivery time from order at fifth DU stop	Text	
Sixth DU Loc Name	Text	
Latest delivery date from order at sixth DU stop	Text	
Latest delivery time from order at sixth DU stop	Text	
Seventh DU Loc Name	Text	
Latest delivery date from order at seventh DU stop	Text	
Latest delivery time from order at seventh DU stop	Text	
Eighth DU Loc Name	Text	
Latest delivery date from order at eighth DU stop	Text	
Latest delivery time from order at eighth DU stop	Text	
Ninth DU Loc Name	Text	
Latest delivery date from order at ninth DU stop	Text	
Latest delivery time from order at ninth DU stop	Text	
<b>Trailer</b>		
EOF	Text	<EOF>

The Inbound flow will be amended to accept CSV files in the below format.

### EFX FIELDS

<RECHEADSTART>  
 MTS database name  
 Tripstatus  
 timestamp  
 <RECHEADSTART>  
 <EFXTRIPDTLSTART>  
 Load Ref  
 EFX\_REF  
 Owning Depot  
 <EFXTRIPDTLEND>



The inbound files will be put into the folder /webint/<database>/interface (This will be controlled by a system parameter - See below). A new database job will be created that will handle the inbound files from this directory.

When a file is processed the EFX\_REF and owning depot will be updated on the relevant sch\_trip record.

As part of the inbound flow 2 new system parameters will be created. These will be ?EFX\_PATH? and ?EFX\_IDENTIFIER?. EFX\_PATH will contain the directory path into which the inbound files should be put. Initially this will be /webint/<database>/interface.

EFX\_IDENTIFIER will be the first three characters of the inbound file names. This will be set to ?EFX\*?.



## 5 Document History

Version	Date	Status	Reason	Initials
1a	02/06/08	Draft	Initial version	DNG
1	02/12/08	Issued	Reviewed and Issued	MJC



## 6 Authorised By

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### 6.1 Part of Release(s)

- CONPRD Release - 9/12/2008

