

**271598**

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## 2 271598 - PA-7XVMF8/ EFX Interface Sub-Con

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## 3 FUNCTIONAL OVERVIEW

### 3.1 Client Requirement

If a Trip is being subcontracted and has not been previously posted on EFX, once a subcontractor (non-own fleet) is allocated and a payment added, when the trip is changed to a status of 'ACCEPTED' the details of the trip and subcontractor details will be interfaced into EFX as an accepted load. Confirmation E-Mail and Fax will be generated automatically from EFX.

This will involve a new trigger in MTS to send a message in the same format as RIO PA-7XVL6X

### 3.2 Solution

Once a trip has been set to Accepted and a payment is created, a trigger will run to send a trip accepted message to EFX. If a sub contractor is added as a carrier, a payment must be created for a trip to be set to Accepted.

The trigger will run under the following conditions

EFX\_SEND\_FLAG is null CARRIER\_ID is not own fleet STATUS is ACCEPTED Payment record exists for Carrier charges between the carrier and the cost centre for the trip.

Currently when a trip is set to TENDERED, this triggers the procedure WRITE\_TRIP\_DTL\_MSG which inserts a record into INT\_TRIP\_DTL for the trip with a status NEW. A database job will then run at regular intervals to find any NEW records in this table and run the procedure INT\_MSG.PROCESS\_OUTSTANDING\_TRIP\_DTL. This procedure selects information from the trip and creates a file to be sent to EFX.

When the STATUS is set to ACCEPTED and the additional conditions as detailed above are met, the procedure will also be triggered.

To process the ?ACCEPTED? trips a new cursor will be added which checks the status of the trip. If the status is tendered then the procedure will run as it currently does. If the status is ACCEPTED, the filename will be changed from EFX\_TRIP\_DETAIL\_XXXXXX to EFX\_SUB\_DETAIL\_XXXXXX.

The information within the file will be identical whether the TRIP is TENDERED or ACCPETED.

**EFX Requirements** EFX will be required to distinguish between the two file names . The data within the files will be identical, but files with the name EFX\_SUB\_DETAIL should be treated as posted jobs which have already been ACCEPTED and files with the name EFX\_TRIP\_DETAIL should be treated as jobs available for TENDER.

When the already ACCEPTED trips are entered on EFX, EFX should continue to send out confirmation e-mails and faxes as they would when a TENDERED job is accepted

### 3.3 Scope

This change will be applied to system version 10.5



## 4 FUNCTIONAL DESCRIPTION

A trigger already exists in MTS called TIU\_TRIP\_STATUS on the SCH\_TRIP table which when a trip goes to status ?ACCEPTED? from either ?PLANNED? or ?TENDERED? then it writes a record to the MSG\_EVENT file.

This trigger is going to be amended so as well as the above it will also send out a message to EFX if all of the appropriate criteria is matched in the same format as that specified under RIO PA-7XVM64.

Firstly it will check that the EFX\_SEND\_FLAG is NULL. i.e. Trip has not already been sent to EFX.

Next it will check if the Carrier\_ID (which must be set and not ?EFX?) that is assigned to the trip does not belong to its own fleet. i.e. Where the Owing\_Depot on the trip is not the same as the Hub\_Location (from RES\_CARRIER) for the carrier.

Also the process will check that a payment record exists between the carrier and the cost centre for this trip. i.e. An ACC\_PAYMENT record exists for the trip (Event\_Ref is ?Schedule-Trip?) with Debit\_ACC set to the trips Cost\_Centre and a Credit\_ACC set to the Carrier\_ID.

When all of the above criteria is met then a record is written to the INT\_TRIP\_DTL table by calling the standard procedure INT\_MSG.WRITE\_TRIP\_DTL\_MSG passing in the Schedule Name, Trip ID and Message Type of 'EFX\_TRIP\_DTL'.

A database jobs runs at regular intervals and calls a procedure called PROCESS\_OUTSTANDING\_TRIP\_DTL in the INT\_MSG package which reads these records and if appropriate then this it in turn calls the PROCESS\_EFX\_TRIP\_DTL\_MSG procedure in the same package.

This procedure needs changing to check the carrier id of the trip.

If the carrier ID is ?EFX? then it is a request in the original format (as specified under call 271600) so will create a file with the name as now. i.e. ?EFX\_TRIP\_DETAILS\_?<next sequence from seq\_dsg\_trip\_dtl\_msg>.

If the carrier ID is not ?EFX? then it is a request in the new format so will create a file with the name ?EFX\_SUB\_DETAILS\_?<next sequence from seq\_dsg\_trip\_dtl\_msg>.

ESI will use the file name to determine if we are sending an initial request to be loaded into EFX (as now) or we are sending a new request to load an Accepted Status trip into EFX and they will adjust there output to EFX accordingly.

The data put into the file itself will be identical to the existing code except that the new field of preferred site will be blank.

Also the expiry date on the output file is currently set from SCH\_TRIP.TRIP\_EXPIRY\_TIME but this will be blank for sub-contractor trips. This needs to be confirmed prior to development.

The trip cost is currently set from SCH\_TRIP.TRIP\_COST which in turn is updated when the cost is entered manually on the EFX payments screen but for sub-contractor trips then this may need to be re-calculated from all of the appropriate ACC\_PAYMENT records (excluding the new EFX1,2 and 3) costs (see spec for 271604).

Once loaded, EFX will then use this information to E-Mail/Fax the confirmation to the supplier (Carrier/Sub-Contractor) as normal.



## 5 REFERENCES

Not Available



## 6 DOCUMENT HISTORY

Version	Date	Status	Reason	Initials
0.1	01/03/10	Draft	Initial version	DRM
0.2	17/03/10	Draft	Update following meeting	DRM
1.0	19/03/10	Issue	Revised and Issued	MJC





## 7 AUTHORISED BY

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