

261354

Aptean Ltd
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1 261354

Ready for **What's Next, Now™**



2 261354 - MW-7PBH7H II Interface Errors Tab

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3 Functiona Overview

3.1 Client Requirement

As part of the EDI development we require in IILV an EDI interface error tab, which will allow users to query inbound and outbound flows

Added by SS 17.02.09: A bookings tab on the interface error form is required to allow users to readily identify failures as well as successful files for the transfer of Tesco information.

As part of the estimate can an additional tab be considered to take into account orders (this may be an option for Iggesund)

3.2 Solution

The Interface Errors (INT_ERR) form will be updated to include a new tab called ?Tesco Bookings? for inbound messages. There is already a tab present in this form called ?Bookings? but this will not be used to display successful/unsuccessful Tesco files as the tables related to this tab do not hold the correct level of information.

Therefore, a new table will be created to hold the corresponding inbound message data that will be displayed on the new ?Tesco Bookings? tab. The layout of data on this tab will be similar to the current ?Bookings? tab, but will display different fields. This will be detailed more in the Functional Specification. There will also be checks done on the inbound message files that will cause the file to fail if they are not met. E.g. specific fields must be populated, check if file already loaded etc. Again this will be detailed more in the Functional Specification.

Currently there is no tab in the INT_ERR form used to view outbound messages, so there will also be a new tab added to the INT_ERR form required to display details of outbound Tesco messages that are created on status updates and at the end of the day. This new tab will be called ?Tesco Outbound Msgs? and will require new tables to hold outbound message data.

Both new tabs will include a few search items that will make it easier for a user to search for specific files. E.g. Sched/Date Range, From Loc etc. Again these search items will be detailed more in the functional specification.

The request to include an additional tab for IIB orders (Iggesund) will not require a new tab. The current ?Orders? tab in the INT_ERR form will be used to display these orders. If IIB Inbound Orders are already accepted into MTS then the inbound orders will be input into tables INT_ORDER_HEADER and INT_ORDER_DETAIL, the same as all current inbound orders in other systems. To make these orders available for viewing in the ?Orders? tab we will need to set up a specific message type in INT_ORD_MSG_TYPE and a corresponding customer for those orders. This new message type and customer will then be available for selecting from the drop-down list in the ?Orders? tab. E.g. Msg Type of IGGESUND_ORDER and Customer IGGESUND if inbound orders for customer Iggesund is required.

3.3 Scope

These changes will be applied to system version 10.5 on IIBTST and once approved IIBPRD.

3.4 Set-Up

3.4.1 Pre-Requisites

?260694 MW-7NVJ2A Tesco Booking Inbound Booking Msg? and ?261357 MW-7PBH9Q Tesco Outbound Booking Msg? required for testing purposes

3.5 Data

The INT_ERR.fmx form will have 2 new tabs displayed on it called ?PO Inbound? and ?PO Outbound?. These tabs will need setting up in table ADM_FORM_TAB, so that they are available for promoting in the Group Maintenance form



4 Functional Description

4.1 PO Inbound Tab Layout

The layout of the ?PO Inbound? tab will be as displayed below. The Inbound Purchase Order Header data will be displayed in the top section of the form along with any header validation errors, with the entire corresponding file Details displayed in the lower section. Note that the lower section has a horizontal scroll bar which can be scrolled across to view all details held in the PO Inbound file. The Special Instructions have their own field as this field can be up to 4000 characters in length so it appropriate to have the field displayed like this to accommodate the possibility of this field holding a lot of data. There is also a section to display validation error for file details.

The header details are displayed by descending created date. E.g. Most recent first. Files in a status of FAILED are displayed by default in this tab, unless the ?Include Success? box is checked.

Orders	EMTS Orders	LOGNET messages	Bookings	DSG Trip Details	POD Details	LOTS	PO Inbound	PO Outbound																																																																																																																																																																								
<table border="1"> <thead> <tr> <th>Interface Id</th> <th>MTS Type</th> <th>Msg Type</th> <th>Action</th> <th>Status</th> <th>Created Date</th> <th>No. Bookings</th> <th>No. Success</th> <th>No. Failure</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> <p><input type="checkbox"/> Include Success</p> <p>PO Inbound Header Validation Error</p> <table border="1"> <thead> <tr> <th>Rec No</th> <th>Status</th> <th>PO Reference</th> <th>PO Id</th> <th>Item Number</th> <th>PO Number</th> <th>Cost Centre</th> <th>Customer</th> <th>Source</th> <th>Hub</th> <th>Destination</th> <th>Cargo R</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> <p>Special Instructions</p> <p>PO Inbound Detail Validation Error</p>									Interface Id	MTS Type	Msg Type	Action	Status	Created Date	No. Bookings	No. Success	No. Failure																																																																Rec No	Status	PO Reference	PO Id	Item Number	PO Number	Cost Centre	Customer	Source	Hub	Destination	Cargo R																																																																																				
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4.2 PO Outbound Tab Layout

Below is how the ?PO Outbound? tab will look. As the outbound file holds a large amount of data, it isn?t possible to display all outbound file details neatly without having a very long scrollbar. Instead, the details held below are a snippet of the more important items held in the outbound file. E.g. Filename, PO Id, Trip Id, OMS Ref, External Ref. These items are displayed on the main ?PO Outbound? tab as they are the more distinguishable items in a file that can be queried using the ??...? and ??? buttons. The outbound file validation is displayed at the bottom



If a user wants to view the entire contents of the outbound file, this can be done using the **?View?** button.

Clicking the **?View?** button will display the following pop-up:

Outbound Purchase Order Details

Event Details:	Filename	Created Date	File Status	MTS Operation	MessageType	MTS Type
<input type="text"/>						
Purchase Order Header Details:						
PO Reference	PO Id	Item Number	PO Number	Cost Centre	Customer	Source
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="First"/> <input type="button" value="Last"/>						
Special Instructions						
<input type="text"/> <input type="button" value="Expand"/>						
Purchase Order Tracking Details:						
PO Status	Original Qty	Load Type	Schedule	Booking DU Type	Booking DU Qty	Transit DU Type
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="First"/> <input type="button" value="Last"/>						
Trip Tracking Details:						
Trip Id	Trip Ref	Trip Status	Container	Trip Trailer Id	Trip Trailer Type	Tractor
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="First"/> <input type="button" value="Last"/>						
Order Tracking Details:						
OMS Ref	Delivery Type	Destination	Order Comments	Stop Seq	Customer Ref	Del Point Ref
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="First"/> <input type="button" value="Last"/>						
Order Non-Conformances:						
Code	Description					
<input type="text"/>	<input type="text"/>					
<input type="text"/>	<input type="text"/>					
<input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="First"/> <input type="button" value="Last"/>						

This form will display every single detail held in the outbound file. As you can see the layout is divided into different sections for each section displayed in the outbound file - the horizontal scrollbar is shown for those sections that hold a large amount of detail. The non-conformance section has a vertical bar to scroll down if there are more than 2



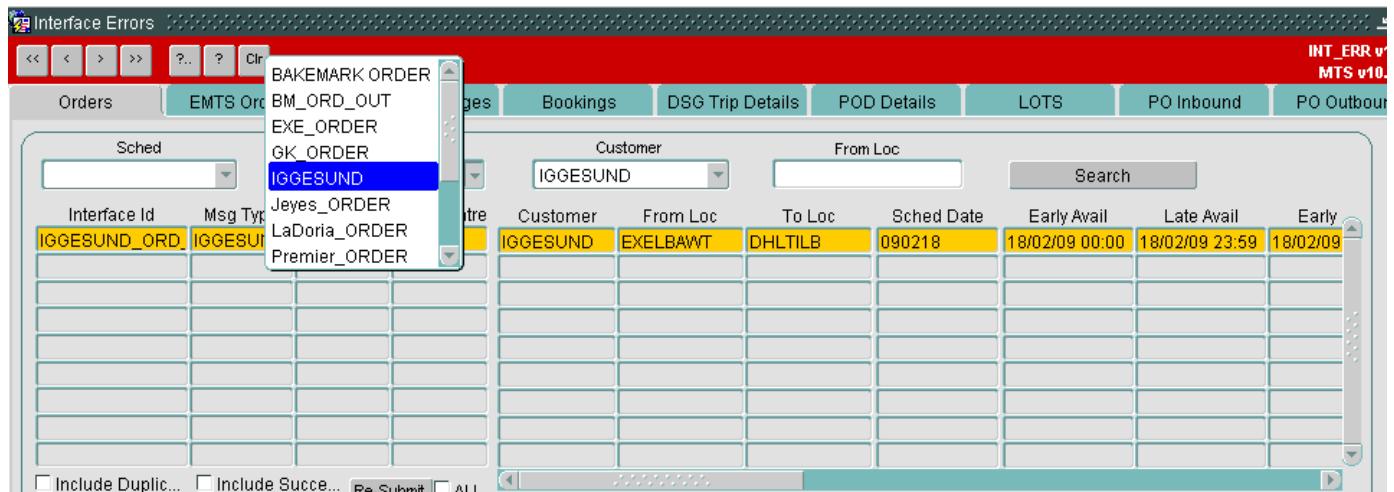
non-conformances.

The INT_ERR.fmx form will be coded to display Inbound and Outbound file details in the corresponding tabs.

4.3 IGGESUND Orders

On the basis that IGGESUND orders are already accepted into MTS, then the inbound details will be held in tables INT_ORDER_HEADER and INT_ORDER_DETAIL, the same as other inbound files. In order for these to be available in the ?Orders? tab of the INT_ERR screen, the ?MSG Type? drop down list will have to include the IGGESUND order type. This list is populated from table INT_ORD_MSG_TYPE, therefore this table will require updating.

This will now be available for selecting in the drop down list, as shown:



The screenshot shows the 'Interface Errors' screen with the 'Orders' tab selected. A dropdown menu is open under the 'Msg Type' column, listing several order types: BAKEMARK ORDER, BM_ORD_OUT, EXE_ORDER, GK_ORDER, and IGGESUND. The IGGESUND option is highlighted with a blue selection bar. The main table below shows a single row of data for an IGGESUND order. The table has columns for Interface Id (IGGE8UND_ORD), Msg Type (IGGE8UND), Customer (IGGESUND), From Loc (EXELBAWT), To Loc (DHLTILB), Sched Date (090218), Early Avail (18/02/09 00:00), Late Avail (18/02/09 23:59), and Early (18/02/09).

Interface Id	Msg Type	Customer	From Loc	To Loc	Sched Date	Early Avail	Late Avail	Early
IGGE8UND_ORD	IGGE8UND	IGGESUND	EXELBAWT	DHLTILB	090218	18/02/09 00:00	18/02/09 23:59	18/02/09

4.4 Triggers

4 new tables are required to hold the Purchase Order Inbound and Outbound details. Each table will require a trigger as below.

INT_PO_INBOUND_HEADER trigger to populate created_date and created_by when new records inserted:



5 References

Not Available



6 Document History

Version	Date	Status	Reason	Initials
0.1	16/03/09	Draft	Initial version	LAD
0.2	25/03/09	Draft	Reviewed and Updated	MJC



7 Authorised By

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