

252125

Aptean Ltd
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Ready for **What's Next, Now™**



2 252125-NW-7GBE8A Amend Bookings to ASN Date rather than Delivery Date

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3 FUNCTIONAL OVERVIEW

3.1 Client Requirement

Amend Bookings to ASN date rather than Delivery Date.

Currently when an ASN is received the Booking is updated to a new schedule which reflects the delivery date of the order / booking from the ASN message. When the bookings are converted to orders this is done based on when the ASN is received and so may involve planning across multiple schedules. In order to make this easier for the planners the Booking should now be updated to the schedule that corresponds to the ASN date rather than the delivery date i.e. the date on which the booking is received and processed in MTS.

This change will need to be applied to the ASN date interfaced from SAP and also loaded manually via the import process as well as the manual change from Provisional to Confirmed.

As an addition the same type of change should also be applied to Bookings when they are first created i.e. the schedule date of a Provisional Booking should be the date it was received into MTS, this will then be moved to the schedule that corresponds to the date that the ASN is received.

Benefits: Planning can take place on one schedule meaning that the order dates should make more sense and create more coherent trips.

3.2 Solution

The booking will be placed on the schedule for the processing date instead of the delivery date when it is created via the SAP MDD booking message or the booking import.

The booking will be placed on the schedule for the (ASN) processing date when it is updated from ?PROVISIONAL? to ?CONFIRMED? status.

This will apply to the following methods of updating the booking status:

- a) The SAP ASN booking message processed via the inbound EDI interface to MTS (this will apply to ?INSERT?)
- b) The ?ASN_BOOKING_IMPORT? message processed via the ?Import? screen in MTS
- c) The ?Edit Product Summary Record? screen via the ?Booking Order? screen in MTS

The delivery date of the records will still be updated with the delivery date of the files sent or the delivery date that already exists if the booking status is updated manually. All other validation will not be changed. The link between schedule and delivery date will be broken by this development. The delivery date will continue to be used as an independent field which can be manually edited until the booking is set to CONFIRMED status.

The Booking processing date is stored as the ?BKG_DATE? of the ?SCH_PRODUCT_SUMMARY? table and the ASN processing date is stored as the ?ASN_DATE? of the ?SCH_PRODUCT_SUMMARY? table. These dates will be used to set the booking / ASN into an MTS schedule. If the schedule doesn't exist it will be created by the interface process.

The order for a booking will no longer be placed on the schedule that matches its delivery date when transport instructions are created but the schedule for the ASN date of the booking; the schedule for the order will then match that of the booking. If transport instructions are reversed then the order will have a status of ?DELETED? but the booking and order will remain on the original schedule.

Note that if the schedule is changed for a booking in the ?Edit Product Summary Record? screen then the delivery date will no longer be updated to match the new schedule date. The delivery date will become an independent field not used to derive the schedule of the booking / ASN.

3.3 Scope

This change will be applied to system version 10.4.7 on SARTST and once approved SARPRD.

4 FUNCTIONAL DESCRIPTION

4.1 Creating Bookings

Bookings are loaded into MTS via the following methods:

- a) The ?Bookings? screen
- b) The ?MDD? booking message
- c) The ?MDD_BOOKING_IMPORT? import

The bookings will be created and loaded onto the schedule for the processing date and not the delivery date provided. If a schedule does not exist for the processing date then one will be created. All other validation will not be changed.

4.2 Confirming Bookings

ASNs are loaded into MTS via the following methods:

- a) The ?Edit Product Summary Record? screen
- b) The ?ASN_BOOKING? booking message
- c) The ?ASN_BOOKING_IMPORT? import

The status of the bookings is updated to ?CONFIRMED? from ?PROVISIONAL? and the ASN will be loaded onto the schedule of the ?ASN? date. The delivery date of the records will continue to be updated with the delivery date provided from the files sent from SAP (MDD and ASN) or the delivery date that already exists if the booking status is updated manually. If a schedule does not exist for the ?ASN? date then one will be created. All other validation will not be changed.

The screenshot shows a Microsoft Internet Explorer window displaying an Oracle Application Server Forms Services interface. The title bar reads "Oracle Application Server Forms Services - Microsoft Internet Explorer". The main content is a dialog box titled "Edit Product Summary Record". The dialog contains fields for Source (10013863), Destination (A009-C104), Sched (080613), Del. Date (13/06/08), Product Type (AMBIENT), DU Type (PLT), Sum Qty (1.000), Sum Adj Qty (1.000), Weight (.00), Volume (.00000), and Booking Ref (4502212343000010001). At the bottom of the dialog are "OK" and "Close" buttons. To the right of the dialog is a "BOOKINGS v2.15.1.27 MTS v10.4.7" grid. The grid has columns for Source, Destination, Sched, Del. Date, Product Type, DU Type, Booking Ref, Status, Qty, and Var. The first four rows of the grid are highlighted in green. The bottom status bar of the browser window shows "Applet oracle.forms.engine.Main started" and "Local intranet".

Source	Destination	Sched	Del. Date	Product Type	DU Type	Booking Ref	Status	Qty	Var
AL-OTHMAN INDUS	RIYADH_STORES	13/06/08	AMBIENT	PLT	4502269502	PROVIS	1.000	1.000	1.000
ALAA INTERNATION	RIYADH STORES_6	13/06/08	AMBIENT	PLT	4502326169	PROVIS	1.000	1.000	1.000
ALI AL ABDULLAH A	Abqaiq Main Store W	13/06/08	AMBIENT	PLT	4502268819	PROVIS	1.000	1.000	1.000
ALI AL ABDULLAH A	DHAHRAN MAIN ST	13/06/08	AMBIENT	PLT	4502318967	PROVIS	1.000	1.000	1.000



4.3 Changing the Booking Schedule

The schedule for a booking may be changed in the ?Edit Product Summary Record? screen and the delivery date will not be updated to match the new schedule date. The delivery date will become an independent editable field up until the status of the booking is CONFIRMED by ASN.

Customer	Store	Date	Type	DU Type	Ref	Status	Qty	Qty	Qty
AL-OTHMAN INDUS	RIYADH_STORES	13/06/08	AMBIENT	PLT	4502269502C	PROVIS	1.000	1.000	1.000
ALAA INTERNATION	RIYADH STORES_6	13/06/08	AMBIENT	PLT	4502326169C	PROVIS	1.000	1.000	1.000
ALI AL ABDULLAH A	Abqaiq Main Store W	13/06/08	AMBIENT	PLT	45022688619C	PROVIS	1.000	1.000	1.000
ALI AL ABDULLAH A	DHAHRAN MAIN ST	13/06/08	AMBIENT	PLT	4502318967C	PROVIS	1.000	1.000	1.000

4.4 Creating Transport Instructions

The transport instructions are created for the schedule date of the bookings and the orders created will be placed on the schedule for the ?ASN? date of the bookings.



Oracle Application Server Forms Services - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://bronze:7779/forms/frm servlet?config=mtssatst

Action MIS Modules Administration Edit Help Window

Booking Order

BOOKINGS v2.15.1.27
MTS v10.4.7

Sched Status Delivery Priority

Create Transport Instructions

Schedule Name: 080813

Booking Ref: 4502212343000010001

Source: 10013863 SAUDI TRANSFORMERS Co LTD_3

Destination: A009-C104 YANBU STORE

Product Type: Ambient Goods

Delivery Priority: 01

Pre Schedule:

Post Schedule:

Create TI's For All:

Auto Summary Advances Auto-Advan... Create TI's Copy Bookings

Product Type: PQ_VQ_FILTER Variance Filter: On Off

Actuals Filter: On Off

Actual Var

Ref	Status	Sum	AS	Total	PQ	Total	VQ	Actual	Var
73670	PROVIS	1.000	1.000	1.000					
73670	PROVIS	1.000	1.000	1.000					
37670	PROVIS	1.000	1.000	1.000					
84830	PROVIS	1.000	1.000	1.000					
81960	PROVIS	1.000	1.000	1.000					
81960	PROVIS	1.000	1.000	1.000					
82350	PROVIS	1.000	1.000	1.000					
72730	PROVIS	1.000	1.000	1.000					
10454C	PROVIS	1.000	1.000	1.000					
10455C	PROVIS	1.000	1.000	1.000					
53160	PROVIS	1.000	1.000	1.000					
88460	PROVIS	1.000	1.000	1.000					
71520	PROVIS	1.000	1.000	1.000					
23430	CONFIR	1.000	1.000	1.000					
PRECISION FORGIN	Ras Tanura Main St	13/06/08	AMBIENT	PLT	45023189660	PROVIS	1.000	1.000	1.000
AL-OTHMAN INDUST	RIYADH_STORES	13/06/08	AMBIENT	PLT	4502269502C	PROVIS	1.000	1.000	1.000
ALAA INTERNATIONAL	RIYADH STORES_6	13/06/08	AMBIENT	PLT	4502326169C	PROVIS	1.000	1.000	1.000
ALI AL ABDULLAH A	Abqaiq Main Store W	13/06/08	AMBIENT	PLT	4502268619C	PROVIS	1.000	1.000	1.000
ALI AL ABDULLAH A	DHAHRAN MAIN STC	13/06/08	AMBIENT	PLT	4502318967C	PROVIS	1.000	1.000	1.000

Applet oracle.forms.engine.Main started Local intranet

4.5 Reversing Transport Instructions

The transport instructions are reversed for the schedule date of the bookings and the orders reversed will be updated to status ?DELETED? and will remain on the schedule for the ?ASN? date of the bookings.



Oracle Application Server Forms Services - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://bronze:7779/forms/frmserver?config=mtssat

BOOKINGS v2.15.1.21
MTS v10.4.7

Sched 080613 Status Delivery Priority Auto Summary Advances Auto Advan... Create TI's Copy Bookings

Reverse TIs

Schedule Name 080613 Booking Ref 450221234300010001

Source 10013863 SAUDI TRANSFORMERS Co LTD_3

Destination A009-C104 YANBU STORE

Product Type Ambient Goods

DU Type PLT

Delivery Priority 01

Advance Orders only?

Reverse Scheduled Orders?

Reason

OK Close

Product Type PQ_VQ_FILTER

PQ_VQ_FILTER On Off

Variance Filter On Off Qty:

Actuals Filter On Off

Ordered Planned Var Actual

Status Sum AS Total PQ Total VQ Actual Var

PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
CONFIRMED	1.000	1.000	1.000	1.000	1.000		
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				
PROVIS	1.000	1.000	1.000				

ALI AL ABDULLAH A DHAHRAN MAIN ST 13/06/08 AMBIENT PLT 45023189670 PROVIS 1.000 1.000 1.000

Reverse TIs Delete Bkgs New Edit Delete Save Close View Summ View Detail Search

Applet oracle.forms.engine.Main started Local intranet

4.6 Change to the ?INT_MSG? package

4.6.1 ?MDD? booking message - Inserts and Updates

The ?READ_MDD_BOOKING_FILE? procedure will be changed so that if the schedule does not exist for the processing date then one will be created.

The ?READ_MDD_BOOKING_FILE? procedure will be changed so that the booking is placed on the schedule for the processing date instead of the delivery date provided.

4.6.2 ?MDD? booking message - Deletions

The ?READ_MDD_BOOKING_FILE? procedure will be changed so that the schedule of the booking is used for deletions.

4.6.3 ?ASN_BOOKINGS? booking message - Inserts and Updates

The ?READ ASN BOOKING FILE? procedure will be changed so that if the schedule does not exist for the ?ASN? date then one will be created.

The ?READ ASN BOOKING FILE? procedure will be changed so that the booking is placed on the schedule for the ?ASN? date instead of the delivery date provided when the status of a booking is updated to ?CONFIRMED? from ?PROVISIONAL?.

4.6.4 ?ASN_BOOKINGS? booking message - Deletions

The ?ASN? date will be passed to the ?BKG.REVERSE_TIS? procedure as the schedule to reverse any unscheduled



orders that may exist and that may be reversed. When an order is reversed back to ?PROVISIONAL? status it will remain on the same schedule.

4.7 Change to the ?IMP? package

4.7.1 Inserts

The ?PROCESS ASN BOOKING? function will be changed so that if the schedule does not exist for the ?ASN? date then one will be created.

The ?PROCESS ASN BOOKING? function will be changed so that the booking is placed on the schedule for the ?ASN? date instead of the delivery date provided when the status of a booking is updated from ?PROVISIONAL? to ?CONFIRMED?.

4.8 Change to the ?CREATE_MULTIPLE_TIS2? procedure

The ?CREATE_MULTIPLE_TIS2? function will be changed so that when transport instructions are being created in the ?Bookings? screen for ?ALL? bookings that the order is placed on the schedule for the ?ASN? date of the booking. The ?GEN TI.SINGLE_CREATE_BOOKING_TIS? function will then receive the schedule of the booking and not the delivery date of the booking.

4.9 Change to the ?CREATE_SINGLE_TIS? procedure

The ?CREATE_SINGLE_TIS? function will be changed so that when transport instructions are being created in the ?Bookings? screen for a booking that the order is placed on the schedule for the ?ASN? date of the booking. The ?GEN TI.SINGLE_CREATE_BOOKING_TIS? function will then receive the schedule of the booking and not the delivery date of the booking.

4.10 Change to the ?BKG? package

The ?CREATE_PRODUCT_SUMMARY? function will be changed so that the booking is placed on the schedule for the processing date instead of the delivery date provided. The ?CREATE_BOOKING? function will then receive the schedule of the processing date and not the delivery date of the booking but it will need to be changed so that the booking is placed on the schedule for the processing date instead of the delivery date provided. The ?DELETE_BOOKINGS? function will be changed so that the schedule of the booking is used to delete bookings.

4.11 Change to the ?GEN_TI? package

The ?GENERATE_TIS? function will be changed so that when an order is inserted it is placed on the schedule for the ?ASN? date of the booking. The ?OMS.INSERT_EMPTY_ORDER? function will then receive the schedule of the booking and not the delivery date of the booking.



5 Appendix A

5.1 TABLE AND TRIGGER DETAILS REQUIRED

a) The table ?SCH_PRODUCT_SUMMARY? requires the ?BKG_DATE and ?ASN_DATE? column to exist:

Column Name Type Nullable Default Storage Comments

BKG_DATE DATE Y

ASN_DATE DATE Y

b) The trigger ?T_SCH_PRODUCT_SUMMARY_IUD? must exist on the ?SCH_PRODUCT_SUMMARY? table to set the ?ASN_DATE? column for when the status of the booking is set to ?CONFIRMED?.



6 References

Ref No	Document Title & ID	Version	Date
EST-252125 NW-7GBE8A	Initial Estimate	1	17/07/08



7 Document History

Version	Date	Status	Reason	Initials
1a	17/07/2008	Draft	Initial version	PDR
1	01/08/2008	Issued	Reviewed and Issued	DJM
2	22/08/2008	New	Corrected a spelling mistake	PDR



8 Authorised By

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