

**259081**

Aptean Ltd  
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1 259081



## 2 259081 - NW-7M8D33/ New Parameter to Control the Order Schedule Date

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## 3 FUNCTIONAL OVERVIEW

### 3.1 Client Requirement

Create a new system parameter to control order schedule dates.

Currently when an order is created the schedule is determined based on the earliest collection date and time of the collection window.

A new system parameter is required to control this and therefore enable the schedule of an order to be determined by any of the following:

?ECDT? - Earliest Collection Date Time

?LCDT? - Latest Collection Date Time

?EDDT? - Earliest Delivery Date Time

?LDDT? - Latest Delivery Date Time

These four letter values should be applied to the system parameter, suggested name: ?SCH\_SCHED\_ORD\_DERIVE?.

Therefore if the parameter is set to ?LCDT? and the latest collection date and time on the order is 12:00 22/12/08 the schedule would be ?081222?; if it is set to ?ECDT? and the earliest collection date and time on the order is 21:59 21/12/08 the schedule will be ?081221?.

Note that you may need to reference ?SCH\_SCHED\_START? as this controls the time on which a schedule starts: ?081222? starts at 22:00 21/12/08.

### 3.2 Solution

A new system parameter called ?SCH\_SCHED\_ORD\_DERIVE? will be introduced to control the schedule on which an order will be assigned when it is created either manually via the ?Orders? screen or via the ?IMPORT? process of the ?Order\_Import? format name (this import will be for the ?TI\_ORDER? import type, the ?ORDER\_AND\_LINE? record type and the ?orders.csv? filename as setup in the ?Import Maintenance? screen).

The new system parameter will control the schedule of the order if it has been set to one of 4 values:

?ECDT? - Early Collection Date and Time

?LCDT? - Late Collection Date and Time

?EDDT? - Early Delivery Date and Time

?LDDT? - Late Delivery Date and Time

If it has not been set or it has been set to a value other than those listed above then the existing default of the early collection date and time will be used to determine the schedule.

As the duration of the schedule may not be concurrent with the same day for a 24 hour period, the existing system parameter ?SCH\_SCHED\_DURATION? and ?SCH\_SCHED\_START? will be referenced, as at present, for when the order is assigned to a schedule.

For example, if ?SCH\_SCHED\_ORD\_DERIVE? is set to ?LCDT? and the late collection date and time on the order is ?12:00 22/12/08? the schedule would be ?081222?; if it is set to ?ECDT? and the early collection date and time on the order is ?21:59 21/12/08? the schedule will be ?081221? if the new schedule starts on ?081222? starts at ?22:00 21/12/08?.

The new system parameter will also be referenced when the relevant date and time of the order is updated so that the schedule of the order is changed accordingly.



For example, if ?SCH\_SCHED\_ORD\_DERIVE? is set to ?ECDT? and the early collection date and time of the order is changed so that it is within a different schedule window then the user will be prompted to confirm if the schedule should be changed; if so then the schedule of the order will be updated as advised.

The same logic will apply when an order is re-booked so that the user has the opportunity to update the schedule of the order.

The new system parameter called ?SCH\_SCHED\_ORD\_DERIVE? will also be applicable for all UK Databases for assigning orders to schedules and it will behave as described in the above section.

Other clients are able to create orders via bookings using the ?Create TI?s? process in the ?Booking Order? screen and the new system parameter must be referenced to determine the schedule for the order and slots.

Note that when orders are reversed using the ?Reverse TI?s? process in the ?Booking Order? screen that the bookings are found for the schedule name of the booking and not the order should a schedule name have been specified in the parameters screen.

### 3.3 Scope

These changes will be applied to system version 10.6 on HCRTST and once approved HCRPRD.



## 4 SET-UP

### 4.1 Pre-Requisites

Database has parameter SCH\_SCHED\_DURATION and SCH\_SCHED\_START set up.

### 4.2 Data

The new functionality around Order Schedule Date will be controlled by new parameter SCH\_SCHED\_ORD\_DERIVE. This parameter has 4 acceptable values;

?ECDT? - Early Collection Date and Time

?LCDT? - Late Collection Date and Time

?EDDT? - Early Delivery Date and Time

?LDDT? - Late Delivery Date and Time

This parameter will be set up in table ADM\_SYSTEM\_PARAM

This parameter can be configurable via the System Parameters form. It has initially been set to ECDT as the Early Collection date and Time is what is used in the original functionality. It will also be the default setting if it is not set up in a database so functionality remains unchanged. This can be changed to any of the acceptable values for permitted users.



## 5 FUNCTIONAL DESCRIPTION

### 5.1 Current Functionality

Below will detail some samples where the Schedule of an order is populated;

This shows the schedule being populated for a new order on a Save. You can see that the Early/late Collect/deliver times are all on different days. On a Save the Schedule is set to 090807 as the Early Collect Time determines this:

Product Type	DU Type	Qty	Weight	Volume	Cases	RPE
AMBIENT	CHEP PALLET	12	12.00000		10.68	

Below is an example of the current functionality. An order on Sched 070707 has had its Collect and Deliver times updated to 08/07/08. When saving the changes it asks the user do they want to change the schedule to 070708, as the Early Collection Date and Time is passed into SCH.Get\_Schedule to retrieve the relevant schedule. If the schedule retrieved doesn't match that on the entry form, the user is asked do they want to change the schedule.

NOTE: The functionality around re-booking an order via the ORDERS form does not need to be amended. Below the new order created earlier on Sched 090807 has been re-booked. During this process the user can enter the date on which they want the re-booked order to appear. Entered below is 30-08-09. Clicking OK will ask the user whether they want to change the schedule of the re-booked order, and are given multiple options. This includes setting the schedule to that specified by the date entered or manually entering the schedule yourself.





**Re-book Order**

New Date: 30-08-09

New From Loc: EXELWHIT    Whitwood\_DHL Whitwood\_WF10 5QL

New To Loc: EXELBAWT    Bawtry\_Excel Bawtry\_DN11 9HE

Re-booking reason: Testre-book

OK    Cancel

Delivery times: 09/08/09 00:00 to 10/08/09 23:59

Product Type    DU Type    Qty

AMBIENT	CHEP PALLET	12
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**Change Schedule**

Change schedule to 090830, retain current 090807 value or manually enter a new Schedule?

Change    Retain    Enter

If the user selects ENTER to manually enter a new schedule as seen below the collect and deliver times are updated according to the date the user entered in the re-book form, and the schedule can be edited as the user requires:

**Order details for 997466**

Status: UNSCHEDULED    Oms Ref: 997467    Booking Ref:    Booked In:    Customer Ref: R1

Detail    Order Items    Add Detail    SAP Detail    MTM Info    Audit    Audit Archive    Finance

Cost Centre: EXEL    Customer: 4CX    Schedule: 090830

Template ID:    Group Name:    Show Inactive: ☐

Collect From: EXELWHIT    Whitwood\_DHL Whitwood\_WF10 5QL

Deliver To: EXELBAWT    Bawtry\_Excel Bawtry\_DN11 9HE

Current Location:    Temp Combo: Ambient

Collect times: 30/08/09 00:00 to 31/08/09 23:59    Target:    Target:    Standard times: ☒ Standard times, ☐ Collection, ☐ Delivery Time, ☐ Open Window

Delivery times: 01/09/09 00:00 to 02/09/09 23:59

**Planned**

Product Type	DU Type	Qty	Weight	Volume	Cases	RPE	Des
AMBIENT	CHEP PALLET	12		12.00000		10.68	

Therefore, the REBOOK functionality will remain unchanged unless there is a specific requirement to do so.

## 5.2 Import TI\_Order

The estimate noted that Import Type of TI\_ORDER would make use of the new functionality. Currently this process will set the Schedule of the Imported Order to the value held in the position according to field SCHED\_DATE. You can see that this is a specific imported field in this type of import. Therefore, this will always determine the schedule of the order imported. It is possible to use either EARLY\_AVAIL, LATE\_AVAIL, ERLY\_DEL or LATE\_DEL to determine the orders schedule date as part of the new functionality, but it will first need to be confirmed by the client that it is ok for SCHED\_DATE to be ignored in the imported file if parameter SCH\_SCHED\_ORD\_DERIVE is set up in a specific database.



Format Name	Imp Type	Default Path	Dflt Filename	Record Id	Filename Fmt	Xfer Type	Ext	Max Uploads	Default Record Type
SLOT_IMPORT_M&S	SLOT	c:\templ\	slot_import_m&s			ASCII		100	
TELE_NUMBER	LOCATION	c:\templ\	tele_no.csv			ASCII		99	
TI	TI_ORDER	c:\templ\	TI.bt			ASCII		1	ORDER_AND_LIN
TI_BAWTRY	TI_ORDER	c:\templ\	ti_bawtry.csv			ASCII		99	ORDER_AND_LIN
TI_BELLSHILL	TI_ORDER	c:\templ\	ti_bell.csv			ASCII		99	ORDER_AND_LIN

  

Record Type	Field Type	Source Type	Occ	Source Value	Prefix	Pad	Char	Default	Format
ORDER_AND_LINE	ACTION	FIXED	0	A					
ORDER_AND_LINE	EXT_REF	FIELD	0	1					
ORDER_AND_LINE	SCHED_DATE	FIELD	0	2					
ORDER_AND_LINE	CUSTOMER	FIELD	0	3					
ORDER_AND_LINE	COST_CENTRE	FIXED	0	EXEL					
ORDER_AND_LINE	DEL_TYPE	FIXED	0	Standard					
ORDER_AND_LINE	FROM_LOC	FIELD	0	4					
ORDER_AND_LINE	TO_LOC	FIELD	0	5					
ORDER_AND_LINE	EARLY_AVAIL	FIELD	0	6					
ORDER_AND_LINE	LATE_AVAIL	FIELD	0	7					
ORDER_AND_LINE	EARLY_DEL	FIELD	0	8					

## 5.3 SCH.Get\_Schedule

SCH.Get\_Schedule is referenced in other areas of the system. However, it is the passed in date that determines which schedule name is assigned. As seen earlier, this is important in creating and updating orders in the ORDERS form as currently the Early Collection Date and Time is passed in, but the new functionality will pass in a different Date and Time depending on the value held in the new system parameter.

The below area which also reference SCH.Get\_Schedule will not be amended as only 1 specific date can be passed in to determine the schedule. This is generally the Delivery Date associated with a Booking:

BKG.Create\_Product\_Summary

BKG.Apply\_Prod\_Sum

BKG.Auto\_Summary\_TSK

GEN\_TI.Create\_Booking\_TIs

GEN\_TI.Create\_Booking\_TIs\_TSK

INT\_MSG.Read\_Booking\_File

IMP.Process\_ASN\_Booking - only a delivery date imported so this must be used to determine the schedule

OMS.Validate\_Schedule - specific single date passed to validate the schedule

OMS.Create\_Order\_From\_Template - specific single date passed in not related to order info

OMS\_INT.F\_Duplicate\_Order\_Schedule - specific schedule passed in

BOOKINGS form uses Delivery date of a Booking

PURCH\_ORD form uses Cargo Ready date of an order (IIB specific)

TRIPDTL form uses call to SCH.Get\_Schedule the same as for Re-booking in ORDERS therefore no change is required as this functionality has ability to set Schedule Date as detailed earlier

TRIP\_OVERVIEW forms passes in current date to set date of Schedule drop down

The following 3 functions make a call to OMS.Insert\_Empty\_Order passing in the EARLY\_AVAIL date.

OMS.Insert\_Empty\_Order then makes use of SCH.Get\_Schedule and passes in the date to this. These 3 functions will need amending to reference the value held in new system parameter and pass in the correct date associated with an order:

INT\_MSG.Post\_Order

INT\_XML\_OUT.Post\_Order



## OMS\_INT.Post\_Order

Function OMS.Validate\_Order and OMS.Insert\_Order specifically call SCH.Get\_Schedule from within their function always passing in EARLY\_AVAIL. Again, these 2 functions will have to be updated to pass in the correct date according to the value held in new parameter SCH\_SCHED\_ORD\_DERIVE.

**Note** Function INT\_MSG.Process\_Iggesund\_Order\_File makes use of SCH.Get\_Schedule, passing in the EARLY\_AVAIL date to get the Schedule of the order. This is IIB specific code which may be updated also, so if the time comes to release this functionality to IIB they can make use of the new functionality, or default back to the original functionality so that EARLY\_AVAIL will always be passed in.



## 6 REFERENCES

Ref No	Document Title & ID	Version	Date
1	EST-259081 NW-7M8D33 New Parameter to Control the Order Schedule Date v1.doc	1	05/01/09
2	EST-259081 NW-7M8D33 New Parameter to Control the Order Schedule Date v2.doc	2	07/01/09
3	EST-259081 NW-7M8D33 New Parameter to Control the Order Schedule Date v4.doc	4	12/01/09



## 7 DOCUMENT HISTORY

Version	Date	Status	Reason	Initials
0.1	23/07/09	Draft	Initial version	LAD
1.0	28/07/09	Issue	Reviewed and Issued	MJC



## 8 AUTHORISED BY

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