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CHAPTER 59 - CONSOLIDATED ORDER PROCESSING / MASS MANIFESTING PROCESSING

Consolidated Order Processing

This processing enables SYNPARSE to allow outbound orders going to the same “ship to” to be grouped in to a “consolidated” order for planning, picking, packing and shipping purposes yet maintain the original order identity for tracking and reporting purposes.

The goals for this process include:

- Increase warehouse efficiency in pick, pack and ship tasks by consolidating multiple orders with the same ship to and processing the “consolidated orders” as if it were a single order.
- Consolidate Normal and Back Orders for a single ship to into a single wave.
- Increase ease of transportation planning and cost allocation.

The orders are pulled together for consolidation via the wave ID and special consolidation logic. The original orders are not changed. The orders in one consolidation are picked together and shipped in the same load.

Order Entry

- Individual outbound orders can be entered via the normal means of CRT, Web or EDI. Only orders entered via EDI are eligible for the auto wave consolidation.
- A consolidated order is not entered. The individual orders are consolidated via the wave id. No actual order header or order detail is entered for the consolidated order. The Wave ID with a Ship ID = 0, will become the consolidated order identifier. (Example 123445-0). If there are existing orders in the database with the same ID as the wave, the 0 ship ID will differentiate the consolidated order.
- The orders must be in the same wave and load for consolidation purposes.

New Order Priorities

There are two Order Priority Types to classify orders that are “Back Order” and “Drop Ship” for this processing. It is not required that orders have these priorities for Consolidated processing.

Order 3923-1 for Customer

Order Info | Shipping | Summary | Comments | Ship To | Addl. Info | Transportation | Ship Dates | History

Order ID: 3923 Ship ID: 1 Type: 0 Customer ID: BP Cust PO:

To Facility: Appointment Date/Time: RMA: Bill of Lading:

Status: 0 Status by: SWINCHELL Status Update: Priority: A Shipper: ☐ One-Time

Load: Stop: Shipment: Load Stat: 0 Hot

Wave: Print Receiver Reprint PO Confirmation

Items... Cancel Remove from Hold

Normal Back Order Drop Ship Exception No Notify SameDayShip

Date/Time

Over Hazard

Wave Planning

All of the orders combining into one consolidated order must be in the same wave. The Wave ID with a Ship ID = 0, will become the consolidated order identifier. The wave planning can be accomplished using the Wave Planning Templates set up by customer and Ship To or Postal Code or other unique characteristic or through manual wave planning. The actual consolidation does not become effective until wave release.

Synapse - [Wave Planning Order Select for Facility 107]

File Edit Lookup Requests Setup Window Utilities Billing Help

Criteria - 1 Criteria - 2 Results Options

Description:
BP/Consolidated

Customer ID: BP Scheduled Ship Dates From: (All) (Current Date +/- -999 Days)

Ship To: AAA2145L Scheduled Ship Dates To: (All) (Current Date +/- 999 Days)

Postal Code: Appointment Dates From: (All) (Current Date +/- -999 Days)

Carrier: AJLI Appointment Dates To: (All) (Current Date +/- 999 Days)

Delivery Service Code: Item: Order ID: Load:

Order Type: ☒ Include ☐ Exclude

Order Priority: ☒ Include ☐ Exclude B,D

Product Group: ☒ Include ☐ Exclude

Shipment Type: ☒ Include ☐ Exclude

From Lot Number: To Lot Number: ☐ Single SKU Only

Active Line-Item Count: From: To:

☒ Process

Excluded Hazardous
Included HOT

Facility 107 (Last Update by SWINCHELL at 4/1/04 3:23:48 PM)

Wave Release

To actually change individual orders to a consolidated order, additional data is on the Requests/Update Requests/Wave Release screen.

- This includes
 - Shipment Type
 - Carrier
 - Service Level (if applicable)
 - Shipment Cost. Note that a shipment cost > 0 is required.
- If the “Consolidate Orders” box is not checked these new fields are not available.
- The consolidated order number will be the wave number dash 0 (example 125603-0).
- A staging location is required for a consolidated wave.
- Note that the consolidation set up fields are only available at Wave Release and are not available at Wave Planning.

When the order is shipped out of Synapse, transportation costs are allocated across all orders in the consolidated wave based on the percentage of the weight of the order to the weight of the whole wave. Carrier, transportation type, service level and cost will be updated automatically on each individual order when the consolidated wave is released. Until the orders are closed, the Transportation Cost for the consolidated wave can be adjusted.

Processing in consolidated orders goes in order ID sequence. If the order is picked short, the highest number order(s) will be shorted since the lowest numbers get the inventory first.

At wave release, picks will be generated for the consolidated wave. The picks are generated like batch picks but are order picks for the entire wave as a single order. When looking up the tasks on the Lookup/Tasks screen, use the Consolidated order ID (Wave ID, ship ID =0). The picker should use order pick (RF option 54) and request the picks using the consolidated ID.

Task Information

Facility: [] Priority: [] Task Type: [] From Section: [] From Location: []
 Customer ID: [] Order ID: 1583-0 Load: [] Wave: [] To Location: []
 Appointment Date Range: [] thru []

Task Count: 1 Quantity: 3
 Labor: 00:54
 On Hold

Task ID	Priority	Task Type	Preassign To	LIP	Order ID	Pick Qty.	Pick UOM	Assigned To	Last Update	From Location	From Section	To
107	22072	Normal	Order Pick		1583	3			4/1/04 4:17:03 PM	1AA049D	1AA2	1S

Task Information

Facility: [] Priority: [] Task Type: [] From Section: [] From Location: []
 Customer ID: [] Order ID: 1583-0 Load: [] Wave: [] To Location: []
 Appointment Date Range: [] thru []

Task Count: 1 Quantity: 3
 Labor: 00:54
 On Hold

Sequence	Assigned To	Task Type	From Location	To Location	Customer	Item	UOM	Qty	LIP	Load	Stop	SI
178		Order Pick	1AA049D	1STG06	BP	BP-1	EA	2	000000011150301			
230		Order Pick	1AA051C	1STG06	BP	BP-2	EA	1	000000010100302			

Regenerate Picks Button on Order Item Shipping tab, will make a request to regenerate the picks for the component order, but will attempt to recreate picks for all the orders in the consolidated wave for that item.

Order 3924-1 BP/ITEM: BP-1

Item Info Shipping Comments Addl. Info

Inventory Class Selection
☒ Include ☐ Exclude RG

Inventory Status Selection
☒ Include ☐ Exclude AV

Quantity Type:
E Exact

Backorder Policy:
N NoBackOrder

Allow Substitutions
☐ Yes ☒ No

Cross Docking Information
Receipt Order ID: Ship ID: Location: Default Location:
 CD01

Regenerate Picks

Smoke Facility 107 (Last Update by SWINCHELL at 4/1/04 12:06:41 PM)

RF Picking

Orders will be picked using order picking via RF. The RF operator enters the consolidated order ID and picks items.

RF Picking specific to supporting consolidated orders:

- Order Picking (option 54) requires the operator to enter a zero for the ship ID of a consolidated (a blank ship ID will not be treated as zero) and to identify a consolidated order with the text "(consolidated)" displayed on the 3rd line. An operator can also receive a consolidated order pick by requesting any work or by not specifying an order ID/ship ID on the Order Picking screen.
- Picking instructions displays all instructions for all suborders of a consolidated order. Also, if any suborder has automatically displayed instructions, the consolidated order is considered to have them also.

<div>54 System Directed Picking Of</div> <div>Order ID <u>1583</u> Ship ID 0</div> <div>Enter order</div>	<div>54 System Directed Picking Of (consolidated)</div> <div>Order ID 1583 Ship ID 0</div> <div>1 TOTE needed OK to Pick? <input type="checkbox"/></div>
-------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Additional Picking Notes:

- Picked quantities and any captured data (e.g. serial number) are applied to suborders according to numerical order ID.
- Paper picking does not support consolidated orders.
- Order history is only posted for the suborders. The “Action” column on the order history will display, “Pick Cord” for these picks.
- No shipping plates exist prior to picking. After picking, the parent plate will contain the consolidated order number (wave number with a ship ID of zero) and the child plates will contain the respective suborder numbers. See the example below:

Example

Consolidated order 1584-0 has 2 orders, 3926-1 and 3927-1. The master shipping plates reflect the consolidated order id and the child plates reflect the order ID.

Shipping Plate Lookup

Shipping LIP: Facility: Lot Number: Inventory Status: LIP Status: Plate Count:

Customer ID: Location: Serial Number: Outbound Load: Outbound Order ID: Quantity:

Item: Master LIP: Inventory Class: Inventory LIP Label:

Delivery Tracking Number: User 1:

Customer	From LIP	License Plate	Type	Item	Plate Status	Parent LIP	UOM	Quantity	Load	Inv. Status	Order ID	Ship ID	Fac
BP	000000002004041	00000000038011S	Master		Shipped			12	1798		1584	0	10
BP	000000000400406	00000000038014S	Master		Shipped			13	1798		1584	0	10

Smoke Facility 107 (Last Update by SWINCHELL at 4/5/04 12:28:45 PM)

Shipping Plate Lookup

Shipping LIP: Facility: Lot Number: Inventory Status: LIP Status: Plate Count:

Customer ID: Location: Serial Number: Outbound Load: Outbound Order ID: Quantity:

Item: Master LIP: Inventory Class: Inventory LIP Label:

Delivery Tracking Number: User 1:

Customer	From LIP	License Plate	Type	Item	Plate Status	Parent LIP	UOM	Quantity	Load	Inv. Status	Order ID	Ship ID	Fac
BP	0000000020040404	00000000038012S	Partial	BP-7	Shipped	00000000038011S	Each	10	1798	Available	3926	1	10
BP	000000000400405	00000000038015S	Partial	BP-8	Shipped	00000000038014S	Each	10	1798	Available	3926	1	10

Smoke Facility 107 (Last Update by SWINCHELL at 4/5/04 12:28:45 PM)

Shipping Plate Lookup

Shipping LIP: Facility: Lot Number: Inventory Status: LIP Status: Plate Count:

Customer ID: Location: Serial Number: Outbound Load: Outbound Order ID: Quantity:

Item: Master LIP: Inventory Class: Inventory LIP Label:

Delivery Tracking Number: User 1:

Customer	From LIP	License Plate	Type	Item	Plate Status	Parent LIP	UOM	Quantity	Load	Inv. Status	Order ID	Ship ID	Fac
BP	0000000020040404	00000000038013S	Partial	BP-7	Shipped	00000000038011S	Each	2	1798	Available	3927	1	10
BP	000000000400405	00000000038016S	Partial	BP-8	Shipped	00000000038014S	Each	3	1798	Available	3927	1	10

Smoke Facility 107 (Last Update by SWINCHELL at 4/5/04 12:28:45 PM)

Packing

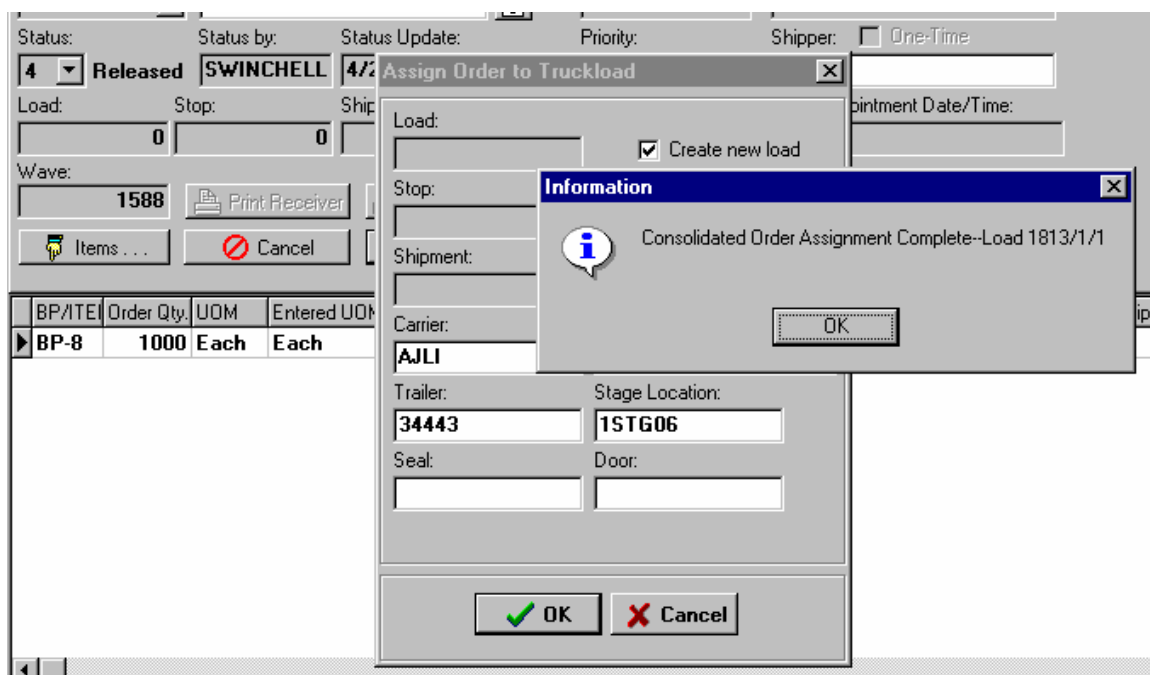
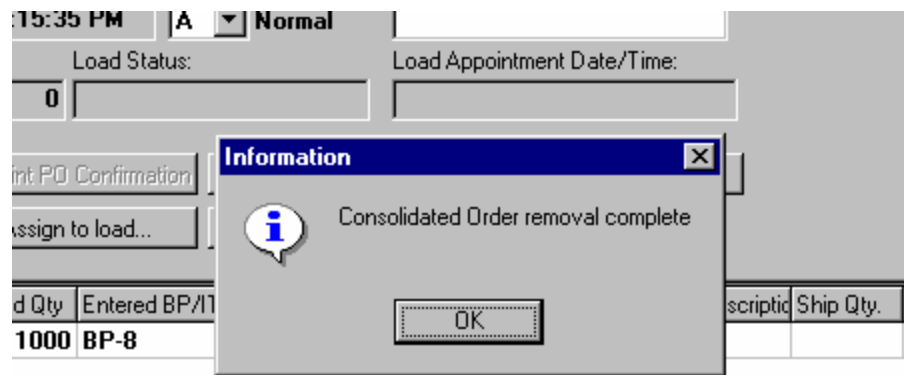
If packing is used in the processing, the packing operation for repacking totes into cartons will create cartons that are for the wave (order ID-ship ID = wave-0) and the component items will be for the individual orders of the combined wave.

Load Assignment

- All orders for the combined wave are **required** to be in the same load. Since load assignment can occur at multiple points in the order processing, logic is in place to keep all the orders in the same consolidation in the same load.
- During consolidation creation (at wave release) all orders must "have the same load". This is either a specific load number or "no load".

The screenshot shows a software window titled "Wave 1598 Maintenance for Facility 107". The window has tabs for "Waves", "Orders", "Labor", and "Options". The "Options" tab is active. The "Pick Type" is set to "ORDR". The "Staging Location" is "1ST609B1". The "Task Priority" is "3". The "Batch Pick Options" section includes "Tote Type/Group" and "Sortation Location". The "Order Count Limit" is empty. The "Consolidated Wave" section has a checked "Consolidate Orders" box, "Shipment Type" set to "L", "Carrier" set to "AJLI", "Service Level" is empty, and "Shipment Cost" is empty. An error dialog box is overlaid on the window, titled "Error", with a red 'X' icon and the message "Wave 1598 contains orders for multiple loads." with an "OK" button. At the bottom of the window, there are buttons for "Release . . .", "Uncommit All", "Unrelease All", and "Replan Waves". To the right of these buttons are two status indicators: "Excluded Included" and "Hazardous HOT". The status bar at the bottom reads "Smoke Facility 107 (Last Update by SWINCHELL at 4/20/04 3:07:39 PM)".

- After creation, if any suborder is assigned to or de-assigned from a load, then all suborders are operated upon identically. The only exception occurs if a suborder is cancelled - it is de-assigned by itself.



- A load can't be closed unless all the orders for a combined wave are included in the load.
- The shipment cost > 0 must be provided on the wave release screen before the load can be closed.

The wave ID is available on the Lookup/Orders/Order Lookup filter. This allows a user to group orders by wave and then use the right click feature for load assignment.

Multi-Ship

The Multi-ship function, writes the information to the Multi-ship tables as if there was a single order (wave-0). As the detail components are shipped, the individual orders are updated as shipped.

RF Consolidated Order Processing Additional Notes

1. Material issue (option 87) will return the error message "Cons order invalid" if a consolidated order is entered and the error message "Cons subodr invalid" if a sub-order is entered.
2. Misc Charges (option 93) will spread the charge for a consolidated order across all suborders based upon qtyordered.
3. Order Checking (option 46) will return the error message "Cons subodr invalid" if a sub-order is entered. When a consolidated order is checked, the ordercheck table contains data for the consolidated order, but orderhistory and orderdtl are updated only for the suborders.
4. Prompted customer level charges will spread the charge for a consolidated order across all suborders based upon qtyordered.
5. Prompted LP level charges will spread the charge for a consolidated order across all suborders containing the item based upon qtyordered.
6. Automatic customer level charges will post a zero quantity invoice detail for each suborder.
7. Restage (option 42) will return the error message "Cons order invalid" if a consolidated order is entered and the error message "Cons subodr invalid" if a suborder is entered.

De-Picking

De-pick Order (option 72), supports Consolidated Orders. The previous "De-pick" function (option 48) was renamed to "De-pick by LP". Option 48 processing was not changed.

Option 48 Renamed

40 Shipping Menu

- 41 - Dock Loading
- 42 - Restage
- 43 - Dock Unloading
- 44 - Combine Master
- 45 - Split Master
- 46 - Order Checking
- 47 - Resume Pass
- 48 - De-pick by LP
- 49 - Shipping Audit

Selection =>__

Enter # of item

Option 72

70 Misc-1 Menu

- 71 - Void Labels
- 72 - De-pick Order

Selection =>█

Enter # of item

The first screen of this option allows an operator to enter a wave and/or order and optionally an item.

- If both wave and order are entered, then the order must be in the wave.
- The wave is not restricted to only being used to identify consolidated orders. If an integer is entered for the order, then the system assumes a shipid of 1. To enter an alternate ship ID use the format: order ID-ship ID (i.e. order ID "dash" ship ID, 5677-2).

```
72 De-pick Order
```

```
Wave 1585
```

```
Order
```

```
Itm
```

```
Enter details
```

Screen 1

```
72 De-pick Order
```

```
LP 000000020040406
```

```
Location 1STG05
```

```
Customer BP
```

```
Qty 3 UOM EA
```

```
Itm BP-7
```

```
===== Take To =====
```

```
Location TEST01
```

```
Check ID
```

```
LP 000000020040404
```

```
Enter data
```

Screen 2

The second screen is where the system guides the operator thru depicking what was requested on the first screen. This is determined by summing the "quantity available for depicking" using the combination specified on the first screen and grouping by: "depick from plate", customer, item, lotnumber, serialnumber, useritem1, useritem2, useritem3 and picked from location. This data along with the unitofmeasure, location of the "depick from plate", a "depick to location" and a "depick to plate" are displayed. The operator can enter (override) the quantity, unitofmeasure, "depick to location" and "depick to plate". The operator must enter the check ID for the "depick

to location". The quantity (converted to the entered unit of measure) cannot exceed the original quantity.

If 0 is entered for the quantity, the operator will be asked whether they want to skip this depick.

```
72 De-pick Order
LP 000000020040406
Location 1STG05
Customer BP
Qty 0      UOM EA
Itm BP-7

===== Take To =====
Location TEST01
Check ID
LP 000000020040404
Skip this depick?_
```

- If a quantity less than the original quantity is entered, the operator will be asked whether they want to perform a short depick.

```
72 De-pick Order
LP 000000020040406
Location 1STG05
Customer BP
Qty 3      UOM EA
Itm BP-7

===== Take To =====
Location TEST01
Check ID
LP 000000020040404
Short depick?█
```

- If the operator indicates that no short depick is intended, then after the current depick is processed, the quantity displayed is updated to reflect the amount left to depick and the operator stays on the same set of data and the same set of rules for quantity

entered still apply. Once the quantity for the current depick has been depleted (i.e. depick all, depick short or skipped) the next set of data is displayed.

Security

If an operator has security for option 48 (De-pick by LP), the same security settings will be used for De-pick by Order.

Pack List

The following changes support the Packing List for customers using the VICS BOL server:

- System Defaults: MASTERPACKLISTREPORT
- Loads: if closing a load containing combined order wave generates the master pack list for the wave
- ShipOrder: if shipping the order completes the combined order wave generates the master packlist for the wave
- OrderDtl: If canceling the line item causes the order to go to shipped status and this completes the combined order wave it generates the master pack list.

In the manifesting background process, when an order goes to shipped status and the combined order wave is completed a request for a master packlist is generated.

Wave Planning Job

To make consolidated orders effective, orders using the same ship to must be grouped into the same wave.

To facilitate wave planning in conjunctions with consolidated orders, a cron or Scheduler process to automatically Wave Plan new orders can be created to fit the needs for the customer using the consolidated order processing. Each consignee (ship to) needs to have its own wave plan template that waves together all Back Orders and Normal Orders for a specific store.

The cron job should call the auto_wave_plan (zcm.auto_wave_plan) procedure in the ZCOMMITMENT proc with 3 parameters:

- facility
- custid
- wave_prefix

The wave_prefix will match against the wave template description with a “like” sql statement. The naming convention for the wave template should reflect how many waves should be planned at the same time.

To be eligible for this automatic wave planning, orders must be created by EDI and have a commitment status = 0.

The job should be scheduled to meet the needs of the customer and shipping schedule.

A sample sql script follows:

```
exec zcm.auto_wave_plan('107','1ASBAH','B+');  
  
exit;
```

Notes on Auto Wave Planning:

- There is a main loop which iterates through all orders for the specified facility and customer which also have a commitstatus of '0' and a source of EDI - the orders are not selected in any particular order.
- For each order, all "saved wave templates" which have a description that begin with the specified wave prefix are "tested" - the templates are scanned in description sequence.
- If an order is assigned to a template, there is a message posted with an author of "AUTOWAVEPLAN" indicating which wave it was assigned to.
- If the order is not assigned to any wave a message is also posted (same author) but there is no reason since the order could fail each candidate wave template for a different reason.
- The system default, AUTO_PLAN_ONHOLD_ORDERS is available to be set. If this value is set to anything other than 'Y', (including not being set), orders on hold will NOT be automatically planned.

For some Synapse installations, the screen 'Consolidate Orders' is in the requests menu. It requires the facility (defaults to the current facility) and the customer ID. The operator can use the button to perform the same consolidate function that is done from the cron job.

Consolidated Waves Template Defaults on Customer Setup

If this area is complete, the values will be transferred to the Consolidated Wave Box on the Wave/Options Tab at wave release. If the "Consolidate Orders" box is not checked these new fields are not available. Please see additional documentation for the Consolidated Order Processing option in Synapse.

- Consolidate Orders
- Shipment Type
- Carrier
- Service Level (if applicable for Carrier)
- Shipment Cost

Customer CCC - CCC Customer Supplies

Name | Receiving | Shipping | Billing | Dictionary | Labeling | Facility Settings | Trading Partners

Options - 1 | Options - 2 | Options - 3 | Instructions | BOL Comments | Pack List | Audit Locations | Carriers | Notification | VICS BOL | SIP | TMS

Wave Template for Imported Orders:
Customer p/u for next day

☐ Reject short orders and allow resubmission ☐ Line Number Processing ☐ Pick by Line Number

Order Confirmation Export Format:
DTV Order Confirmation

Reject Notification Export Format:
DTV Error Notification

CHEP Sender ID:
2245

Consolidated Waves Template Defaults

☒ Consolidate Orders

Shipment Type:
S

Carrier:
FEDX

Service Level:
SAT

Shipment Cost:

Pallet Tracking Defaults

Default Quantity:
1

Default Pallet Type:
CHEP

Smoke Facility 107 (Last Update by SWINCHELL at 12/28/04 12:50:08 PM)

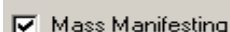
Setup/Customer/Shipping/Options -2

Mass Manifesting Functionality

Overview

The *Mass Manifesting* functionality was designed to provide an efficient process for picking and shipping large volumes of small package carrier (i.e., FedEx and UPS) shipments. The *Mass Manifesting* modification can be utilized for both automated and manual (book provided by individual small package carriers) small package machine operations.

The *Mass Manifesting* functionality requires that the orders are planned in a wave that has the 'pick type' selected as Batch (BAT). Also the *Mass Manifesting* check box on the Options tab of the *Wave Release* screen must be selected. **Very Important.... If either of these two settings is incorrect, the process *will fail!***



When ☒ **Mass Manifesting** is checked, the wave must be composed entirely of small package orders with the same carrier and that each line of each order resolve to even quantities of the Label UOM. This means that, if the *LabelUOM* for an item on an order is *CASE*, the order must be for full cases - no partials.

The release of a “*Mass Manifesting Wave*” will trigger BAT pick (BP) tasks to be generated in the typical manner. In addition to the tasks, Synapse will generate *Package Labels* and a *Data File*.

- The use of the *Package Labels* eliminates the need for Sort Picks “SO”, the 2nd step of batch picking. Synapse will not create Sort Pick tasks for *Mass Manifest* processed waves.
- The *Data File* exported will be suitable for importing into the *small package carrier* (FedEx, UPS) Ship Manager software. When the file is imported an automated routine on some small package systems creates the shipping labels and updates the Synapse data base with tracking numbers as though the operator scanned each individual package (Multi-Ship Processing). See the section below on Label Profiles for additional information regarding the *Data File*.

Once this update is done, each order will have tracking number(s) associated with it as assigned by the Small Package Carrier software and the order will be updated to shipped status.

The *Package Labels* will be created for each package based on the “Label UOM” field on the SPECS tab of the Customer > Item Maintenance screen. A *Label Profile* must be set up (see *section on Label Profiles below for details*) and associated on the Customer > Item Maintenance > Labeling tab with each Consignee that requires mass manifesting functionality.

Note: The word package used above is relative to the UOM data found on the SPECS tab. For example: If an item is set up with a BaseUOM on the Item Maintenance > UOM tab where the value is EACHES and have the

LabelUOM value set at the Item Maintenance > SPECS tab where the value is **CASES** then a “Package” is equal to a CASE.

Setup/Customer/Item Maintenance

Receiving Tab

The orders in the *Mass Manifesting* wave cannot contain any items which have "Upon Pick" attributes - this is because the functionality is following the batch pick without the sortation and this type of capture is normally done during sortation.

Synapse - [Customer 2112 - Item Maintenance for WAVES]

File Edit Lookup Requests Setup Window Utilities Billing Help

Item Specs Aliases Storage Substitutes Pick Fronts Facility Settings Customer ...

Name UOM Specs Receiving Shipping Labeling Hazardous

Options - 1 Options - 2 Instructions Format Validation

Required Upon Receipt

Lot #:
☒ Yes ☐ Also Outbnd ☐ Upon Pick ☐ No ☐ Default: N

Serial #:
☐ Yes ☐ No ☐ Upon Pick ☒ Default: N

User 1:
☐ Yes ☐ No ☐ Upon Pick ☒ Default: N

User 2:
☐ Yes ☐ No ☐ Upon Pick ☒ Default: N

User 3:
☐ Yes ☐ No ☐ Upon Pick ☒ Default: N

Manufacturing Date
☒ Yes ☐ No ☐ Default: N

Expiration Date
☐ Yes ☐ No ☒ Default: N

Country Of Origin
☐ Yes ☐ No ☒ Default: N

Use Catch Weight
☐ Yes ☒ No ☐ Default: N

Outbound Catch Weight
 6 Gross

Prod Facility CF1 (Last Update by CHIPPER at 7/7/2005 1:45:34 PM)

UOM Tab

The BaseUOM and additional Item UOM are set on this tab. *Please note* that there must be an entry in this screen for the *LabelUOM* that will be set on the SPECS tab.

For example, the screen shot below shows an item that has a BaseUOM of Each “EA” and an additional UOM entry for pallets “PLT”. If you need to label the item at the Case “CS” UOM and have set the LabelUOM to “CS” the system will not have any means of translating how many labels to print out because the UOM of “CS” is not related to any UOM currently set as it is not represented in this table.

Synapse - [Customer 2112 - Item Maintenance for WAVES]

File Edit Lookup Requests Setup Window Utilities Billing Help

Item Specs Aliases Storage Substitutes Pick Fronts Facility Settings

Name UOM Specs Receiving Shipping Labeling Hazardous

Base UOM: **EA** Each Weight: **1.00** Cubic Inches: **1.00** User Amt 1: User Amt 2: Tare Weight:

Velocity: **B** Velocity B Pick To Type: **FULL** Full Pallet Container Type:

Dimension in Inches
Length: Width: Height:

Inventory Exists. (UOM changes not recommended)

Sequence	There are:	of these:	in a:	Pick To	Velocity	Tare Weight	Container Type	Last User
10	20	EA	PLT	FULL	B			CHIPPER

Prod Facility CF1 (Last Update by CHIPPER at 7/7/2005 1:45:34 PM)

Note: This document is written for an audience that already understands the basic Synapse receipt and outbound order flow.

Specs Tab

An UOM will need to be entered for *Package Labels* to generate.

Mass Manifesting functionality only supports the use of any UOM that is set up in Synapse and associated to the Item in the LabelUOM field of the SPECS tab.

Synapse - [Customer 2112 - Item Maintenance for WAVES]

File Edit Lookup Requests Setup Window Utilities Billing Help

Item Specs Aliases Storage Substitutes Pick Fronts Facility Settings

Name UOM Specs Receiving Shipping Labeling Hazardous

Shelf Life: [] Days
 Expiration Action: []
 Label UOM: [EA] Each
 Label Qty for Label UOM: []
 NMFC: []
 LTLFC: []
 Units of Storage: []
 Reorder Point: []
 NMFC Article: []

Country of Origin: []
 Stack Height: [] Pallets
 Last Cycle Count: []
 Critical Inventory Levels
 Level 1: [] Days
 Level 2: [] Days
 Level 3: [] Days

Summarize Lots
☐ Receipt Invoice
☐ Renewal Invoice
☐ Bill of Lading
☐ Accessorial Invoice

Additional Item Info
 Char 01: [] Number 01: []
 Char 02: [] Number 02: []
 Char 03: [] Number 03: []
 Char 04: [] Number 04: []

Prod Facility CF1 (Last Update by CHIPPER at 7/7/2005 1:45:34 PM)

Labeling Tab

Synapse - [Customer 2112 - Item Maintenance for WAVES]

File Edit Lookup Requests Setup Window Utilities Billing Help

Item Specs Aliases Storage Substitutes Pick Fronts Facility Settings

Name UOM Specs Receiving Shipping Labeling Hazardous

Consignee Label Profile Last User Last Update

	LEAP	CHIPPER	3/1/2005 10:59:52 AM
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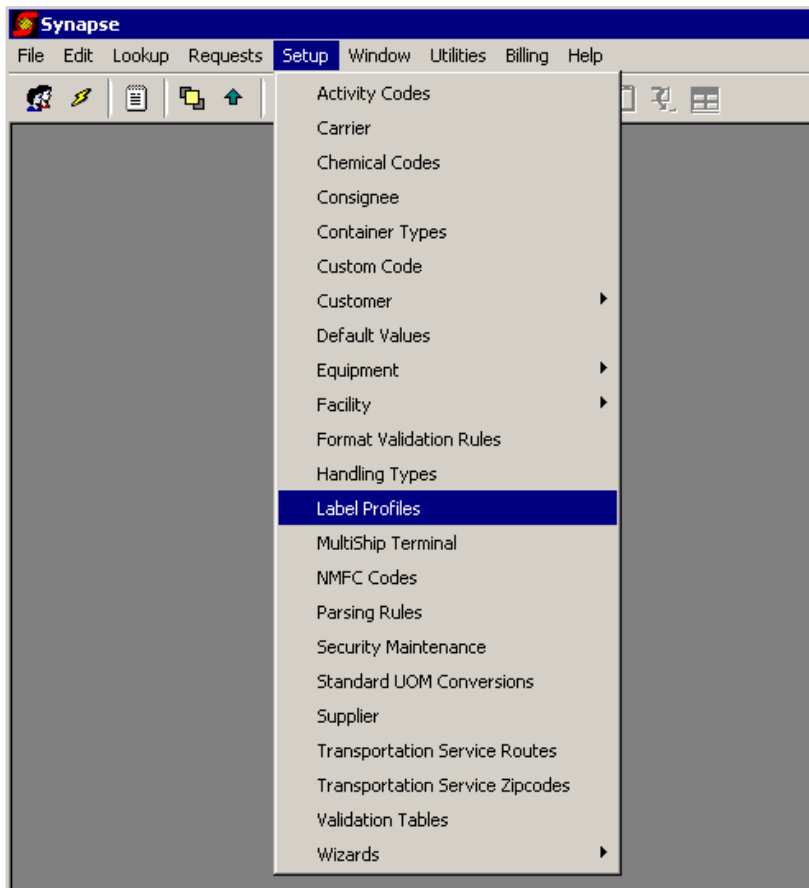
**** Note:** A Label Profile has to be set up in the Set Up > Label Profiles screen before you can associate it to any labeling tab in Synapse.

The above screen shot shows a *Label Profile* set up at the item level. If the Consignee field is left blank (also referred to as *Default*), the label profile applies to ALL Consignees. If there are individual Consignee labeling needs, each consignee needs to be set up individually.

Mass Manifesting Labeling functionality only supports even quantities of the *LabelUOM* for each order. This means that, if the label UOM for an item on an order is CASE, the order must be for full cases - no partials.

Set Up/Label Profiles

Select Set Up from the menu and then scroll down to select Label Profiles.



Shipping labels are produced during wave release and require that a label profile line be created with a Business Event of RWAV and a View / Proc specified. A standard proc and label view are provided for Mass Manifesting to serve as a template for this functionality. The proc is `mass_man_ibls.mass_man_labels`. This proc should be specified in the Label Profile in the View/Proc field.

The `mass_man_ibls.mass_man_labels` proc generates the label view `mass_man_iblview`, populates the multiship database tables and executes an export request to create the data file. The proc may be cloned to create a custom label view or execute a custom export map.

The standard map provided is Mass Manifest FedX Batch Export. It can be cloned to create a custom map.

(Please check with a Synapse support personnel if additional information is required regarding Label Profiles.)

To complete the Label Profile the View Key Col (see *next screen shot*) is not required because this profile is based on a proc; the View Key Origin should be Shipping Plate; and a Synapse Production environment label path should be entered.

When the *Mass Manifesting* wave is released, a message will appear asking for selection of a shipping label printer - if the label profile has not been set up then a warning message will appear. At this point labels will be printed, the multi-ship data will be populated and a file will be generated for the Small Package Carrier.

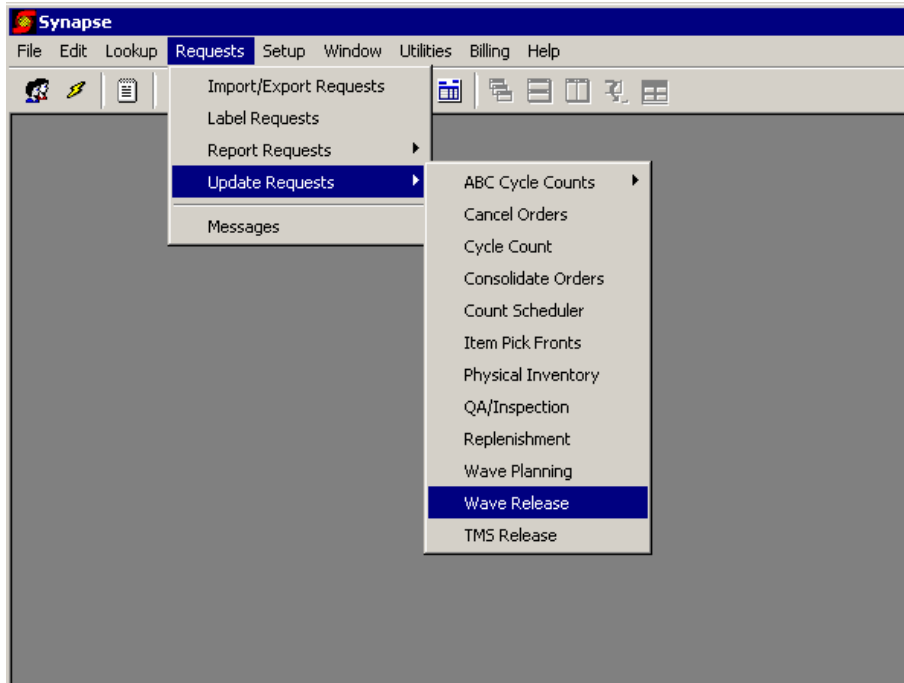
Requests/Update Requests/Wave Planning

Select the Requests Menu, scroll down and select Update Requests, then select Wave Planning on right menu bar.

The *Mass Manifesting* flag (appears only on the Wave Release Options Tab) will require that the wave be composed entirely of small package orders of the same carrier and that each line of order resolve to even quantities of the Label UOM for each order. This means that, if the *LabelUOM* for an item on an order is *CASE*, the order must be for full cases - no partials.

Requests/Update Requests/Wave Release

Select the Requests Menu, scroll down and select Update Requests, then select Wave Release on the right menu bar.



Synapse - [Wave 1772 Maintenance for Facility CF1]

File Edit Lookup Requests Setup Window Utilities Billing Help

Waves Orders Labor Options

Wave: **1772** Description: **2112 CD202 Template** Status: **3 Released**

Order Count: **4** Labor: **00:00** % Complete: **100**

Scheduled Release:

	Quantity	Weight	Cube
Ordered:	20	200.00	0.01
Committed:	0	180.00	0.00

☒ Active Waves Only
☐ Trace this request

Wave Status	Wave	Scheduled Release	Order Count	Order Qty.	Commit Qty.	Order Weight	Comm
Released	1907		1	5	5	10	
Released	1774		2	20	0	20	
> Released	1772		4	20	0	200	

Release ... Uncommit All Unrelease All Replan Waves

Prod Facility CF1 (Last Update by CHIPPER at 3/1/2005 3:46:23 PM)

Synapse - [Wave 1772 Maintenance for Facility CF1]

File Edit Lookup Requests Setup Window Utilities Billing Help

Waves Orders Labor Options

Pick Type:
BAT Batch Pick

Staging Location:

Task Priority:
3 Normal

Batch Pick Options

Tote Type/Group:

Sortation Location:

Order Count Limit:

☒ Mass Manifesting

Consolidated Wave

☐ Consolidate Orders

Shipment Type:

Carrier:

Service Level:

Shipment Cost: **0**

Release ... Uncommit All Unrelease All Replan Waves

Prod Facility CF1 (Last Update by CHIPPER at 3/1/2005 3:46:23 PM)

If a wave is released, unreleased and then re-released; the old multi-ship data will be deleted and a new FedEx file generated.

RF Reprint Labels using Option 85

Once picking has started, the shipping labels can be re-printed via rf option 85 using any shippingplate or crossreference from any order and an Event of RWAV. In this case only the labels will be printed, NO new multi-ship data is generated and NO FedEx file is created.

85 Reprint LP

LP ☐

Event

On

Enter plate id

Manual End of Day Processing – Tools Available

The *Labels* are generated in the same sort order as the data listed on the exported *File*. If Small Package Carrier orders and daily shipment information needs to be processed manually, clear and consistent tools are available.

Automatic End of Day Processing - Critical Warning

It is **CRITICAL** that operations keep the Small Package machine open until all of the BAT pick (BP) tasks for that day's orders have been completed. If operations attempts to run the end of day processes to provide the carrier with the day's shipments, ***it will fail***. The Synapse shipping data will be damaged.