

CHAPTER 47 - COMPONENT TEMPLATE KITTING2

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CHAPTER 47 - COMPONENT TEMPLATE KITTING

Component Template Kitting is a kit that can be produced on a re-occurring basis using different items for each order. An example of component template kitting would be a mass solicitation mailing where the steps would be the same on a repeated basis but the components of the mailing (for example, the specific letter, envelope and brochure) would be different item codes based on the target audience of the mailing. Often in this type of mailing, one of the input components needs to be personalized with a name and address. The overpick quantity combined with the spoilage option allows for test print runs, etc.

Current Make-to-Stock and Make-to-Order kitting require the same component items to be used to make the kitted item. At the end of Make-to-Stock and Make-to-Order kitting, the inventory of the input components is decremented and the inventory of the output component is incremented.

Component template kitting differs in two major ways:

1. Component Kitting allows the user to select the items to be kitted via the order entry process.
2. At the end of Component Kitting, the inventory of the input components is split between:
 - Inventory to be picked for shipping
 - Inventory to be spoiled
 - Unused inventory to be returned to storage.

There is no inventory created or shipped for the output component.

Setting up the Component Template

Each component template kit requires one “dummy” or “filler” item for kit set up. This item will have no inventory but needs to exist in the database for the customer. The same dummy or filler item can be used for multiple component templates. In the example below, the item, “FILLER ITEM”, is added with the Kit Attribute set to None. The status should be set as INACTIVE to prevent regular orders using this as an item.

Synapse 2 - [Customer KIT - Item Maintenance for NEW MEMBER]

File Edit Lookup Requests Setup Window Utilities Billing Freight Billing Help

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

Name UOM Specs Receiving Shipping Labeling Hazardous Handling

Customer ID: KIT Item: NEW MEMBER

Description: New Member Kit Abbreviation: New Member

Status: Inactive Rate Group: Item Rate Group

Product Group: Default:

Hazardous Inactive Display Active Only

Kit Maintenance

Kit Type

None
Kit by Item
Kit by Class
Component Template
Simplified Kit

Require Cycle Count Item
Require Cycle Count Lot
Require Physical Inv Item
Require Physical Inv Lot

Yes No Use Default
Yes No Use Default
Yes No Use Default
Yes No Use Default

Item	Description	Abbreviation	Status	Rate Group	Hazardous?	Product Group
CARE TAG	Care Tag	Care Tag	Active	ITEM	N	
FILLER ITEM	filler item for component kit	FILLER	Inactive	ITEM	N	
GOLD SPEAKER	Gold Speaker	Gold Spkr	Active	ITEM	N	

Each Component Template is set up as an item for the customer. In the example below, the item, "NEW MEMBER", is added as a kit with the Kit Attribute set to Component Template. This item will have no inventory but needs to be in the item file to link the Component Template instructions with the specific outbound order. The status should be set as INACTIVE.

Synapse 2 - [Customer KIT - Item Maintenance for NEW MEMBER]

File Edit Lookup Requests Setup Window Utilities Billing Freight Billing Help

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

Name UOM Specs Receiving Shipping Labeling Hazardous Handling

Customer ID: KIT Item: NEW MEMBER

Description: New Member Kit Abbreviation: New Member

Status: Inactive Rate Group: Item Rate Group

Product Group: Default:

Hazardous Inactive Display Active Only

Kit Maintenance

Kit Type

None
Kit by Item
Kit by Class
Component Template
Simplified Kit

Require Cycle Count Item
Require Cycle Count Lot
Require Physical Inv Item
Require Physical Inv Lot

Yes No Use Default
Yes No Use Default
Yes No Use Default
Yes No Use Default

Item	Description	Abbreviation	Status	Rate Group	Hazardous?	Product Group
CARE TAG	Care Tag	Care Tag	Active	ITEM	N	
FILLER ITEM	filler item for component kit	FILLER	Inactive	ITEM	N	
GOLD SPEAKER	Gold Speaker	Gold Spkr	Active	ITEM	N	
JEANS	Generic Jeans	G Jeans	Active	ITEM	N	
KHL TAG	Kohl Tag	Kohl Tag	Active	ITEM	N	
KIT 1	Kit Number 1	Kit 1	Active	ITEM	N	
MEI TAG	Meijer's Tag	Meij Tag	Active	ITEM	N	
MFTG TAG	Manufacturing Tag	Mftg Tag	Active	ITEM	N	
NEW MEMBER	New Member Kit	New Member	Inactive	ITEM	N	
POWER ADAPTER	Power Adapter	Power Adpt	Active	ITEM	N	
SNDKIT1	Sound Kit 1	SNDKIT1	Active	ITEM	N	
SOUND CARD	sound card for class A & B soundcrd		Active	ITEM	N	

Setting up the component kit.

On the Components tab, select the dummy/filler item. Set the quantity = 1.

Inv. Class	Kit Description	Last User	Last Update
no		JOEL	10/24/2013 09:00 AM

Component	Qty	Last User	Last Update
FILLER ITEM	1	JOEL	10/24/2013 09:01 AM

Each kit consists of only 2 instructions to be added on the Components tab:

- 1 Movement Action (example in the panel below)
 - No RF instructions need to be added here.
 - The Referenced Work Order Component is the dummy/filler item that was added on the Components tab.
 - The parent step will be the WO Complete/Inventory Update.
 - If the Component Kit always uses the same destination location for the kitting operation, enter it here.

Kitting Maintenance for Customer KIT Item NEW MEMBER

Inv. Class	Kit Description	Last User	Last Update
no		JOEL	10/24/2013 09:00 AM

Components Steps Minimum/Maximum Quantities

Title (Displayed on the RF title line): **Pick Env, Broc, Ltr**

Step Identifier: **758**

Parent Instruction: **Member Kit Complete**

Referenced Kit Component: **FILLER ITEM**

Quantity:

Action:

- ☒ Movement
- ☐ Work or Instruction
- ☐ WO Complete/Inventory Update

RF Instructions

Destination

Validate Copy

Refresh Tree

Last Update by JOEL at 10/24/2013 09:03 AM

Kit Procedure

- ✓ **Member Kit Complete**
 - ⊞ **Pick Env, Broc, Ltr (0 of FILLER ITEM)**

Facility	Location	Loc Type	Last User	Last Update
JFW	STG07	STG	JOEL	10/24/2013 09:03 AM

- 1 WO Complete/Inventory Update Action (as shown in the panel below)
 - Add the RF instructions here
 - This becomes the parent instruction for the Movement.

Inv. Class	Kit Description	Last User	Last Update
no		JOEL	10/24/2013 09:00 AM

Components | **Steps** | Minimum/Maximum Quantities

Title (Displayed on the RF title line): **Member Kit Complete**

Step Identifier: **757**

Parent Instruction: [Dropdown]

Referenced Kit Component: [Dropdown]

Quantity: [Text Box]

Action:

- ☐ Movement
- ☐ Work or Instruction
- ☒ WO Complete/Inventory Update

[Validate] [Copy]

RF Instructions:

Inkjet Envelope; Insert Generic Letter & Brochure into Personalized Envelope, Kit Complete

Destination:

Facility	Location	Loc Type	Last User	Last Update

Refresh Tree

Last Update by JOEL at 10/24/2013 09:04 AM

Kit Procedure

- ✓ **Member Kit Complete**
- Pick Env, Broc, Ltr (0 of FILLER ITEM)

No Minimum/Maximum Quantities tab values are filled in as this applies to Make to Stock regular kitting.

Sample Order

The order is entered as an outbound order.

When entering the order, on the shipping tab select the appropriate template in the Component Template box. The Component Template for this order is "NEW MEMBER". This will flag the order for component processing.

Order 370323-1 for Customer KIT

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

Ship To: **John's Pizza Hut**
1001 Sausage Lane
Happy Valley, CA 98765
☒ One-Time

Bill Freight To:
☐ One-Time

Carrier: **AACT** **AAA COOPER** Delivery Service: ☐ Saturday Delivery Okay

Shipment Type: **LTL** Pro Number: XDock Processing: **StdndrXDock** Freight Value: ☐ Bill Freight

Shipment Terms: **Prepaid** Component Template: **NEW MEMBER** Shipping Cost:

Scheduled Ship Date: **10/24/2013** TMS Status: **Not Appl** Routing Status:

Arrival Date: **10/29/2013** TMS Shipment Identifier: Actual Cartons:

Stage Location: TMS Release Identifier: Package Cube:

FTZ 216 Authorization: Status Update: **10/24/2013 09:11 AM** Weight - Lbs:

Legend: **Hazardous** **Over** **Short** **Cancelled**

Drag a column header here to group by that column Grid Actions

Item	Lot Number	Order Qty.	UOM	Rcvd Qty.	Ship Qty.	Entered UOM	Entered Qty	Ordered Item	Status
▶ ZETH BROCHURE		200	Each			Each	200	ZETH BROCHURE	Active
ZETH ENV		200	Each			Each	200	ZETH ENV	Active
ZETH LETTER		200	Each			Each	200	ZETH LETTER	Active

After the order is linked to a component template, the message, [Component Order] will appear to the right of the title, "Type:", in the upper left quadrant.

Order 370323-1 for Customer KIT

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

Order ID: **370323** Ship ID: **1** Type: **[Component Order]** Customer ID: **KIT** Cust PO: **COMP1** Reference: **COMP1**

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

Status: **Hold** Status by: **JOEL** Status Update: **10/24/2013 09:11 AM** Priority: **Normal** Shipper: ☐ One-Time

Load: Stop: Shipment: Load Status: Load Appointment Date/Time: ☐ Has Consumables

Wave:

Legend: **Hazardous** **Over** **Short** **Cancelled**

Drag a column header here to group by that column Grid Actions

Item	Lot Number	Order Qty.	UOM	Rcvd Qty.	Ship Qty.	Entered UOM	Entered Qty	Ordered Item	Status
▶ ZETH BROCHURE		200	Each			Each	200	ZETH BROCHURE	Active
ZETH ENV		200	Each			Each	200	ZETH ENV	Active
ZETH LETTER		200	Each			Each	200	ZETH LETTER	Active

- Add all the item detail lines that are part of the kit and enter the quantity for the kit in the normal quantity field in the top entry row. (As shown on the panel below).
 - The quantity for each order detail should be the same.

- The final quantity for the outbound order cannot be higher than the quantity entered in the order detail lines.
- It is assumed that there is a 1 to 1 relationship of the items ordered.
- Component Template Kitting does not support Lot # and Serial # tracked items.
- Each item allows an overpick quantity that may be used for print run testing, etc. This quantity will be picked as part of the order. Enter the Overpick Quantity in field in the bottom row – right side. (As shown on the panel below) If no overpick quantity is entered, 0 is assumed. The overpick quantities for all the items in the order do not need to be the same.

Order 370323-1 Item: ZETH BROCHURE

Item Info Shipping Comments Addl. Info

Ordered

Ordered Item: ZETH BROCHURE Lot #: Quantity: 200 UOM: Each

Lbs.: Kgs.:

Item: ZETH BROCHURE Description: Zethcon Brochure UOM: Each

Status: Active Status by: JOEL Status Update: 10/24/2013 09:11 AM

Inventory Plates

Item

	Ordered	Loaded	Picked	Committed	Max. Committed
Quantity:	200				
Lbs.:	2.0000				
Kgs.:	0.9072				
Cube:	0.1157				
Amount:	\$0.00				

Receipt Shipment Handling

Consignee SKU: Child Work Order ID: Overpick Quantity: 35 Minimum Days to Expiration: 0

The order should be wave planned and released.

Upon wave planning, the commitments will be shown on the outbound order.

Releasing the Wave/Creating the Kit Work Order

When the wave is released, a Kit Work Order is created.

- The commitments from the outbound order are transferred to the Kit Work Order.
- The order lines of the Kit Work Order reflect the ordered quantity and the Overpick quantity.

Order 370324-1 for Customer KIT

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

Order ID: 370324 | Ship ID: 1 | Type: K | Customer ID: KIT | Cust PO: COMP1 | Reference: COMP1

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

Status: Released | Status by: JOEL | Status Update: 10/24/2013 09:17 AM | Priority: Normal | Shipper: One-Time

Load: | Stop: | Shipment: | Load Status: | Load Appointment Date/Time: | Has Consumables

Wave: 213189 | Print Receiver | Reprint PO Confirmation | Print Order Check

Items... | Cancel | Print Pack List

Print COA | View Attachment Tab | View Plates | Create Overs

Legend: Hazardous Over Short Cancelled

Drag a column header here to group by that column

Item	Lot Number	Order Qty.	UOM	Rcvd Qty.	Ship Qty.	Entered UOM	Entered Qty	Ordered Item	Status
ZETH BROCHURE		235	Each			Each	235	ZETH BROCHURE	Active
ZETH ENV		250	Each			Each	250	ZETH ENV	Active
ZETH LETTER		200	Each			Each	200	ZETH LETTER	Active

Above is a sample of KitWorkOrder created by wave release.

Wave 213189 Maintenance for Facility JFW

Waves Orders Labor Options Flex Pick Fronts

Order Totals

Order Count: 2

Labor: 03:25:30

% Complete: 47

Ordered: 1285 12.85 0.74

Committed: 685 6.85 0.40

Orders

Order ID	Ship ID	Customer	Order Type	Order Status	Order Qty.	Commit Qty.	Short Qty	PO	Reference
370323	1	KIT	Outbound	Released	600	0	600	COMP1	COMP1
370324	1	KIT	KitWorkOrder	Released	685	685	0	COMP1	COMP1

Items

Item	Lot	Order Qty.	Commit Qty.	UOM	Incl/Excl	Inventory Status	Incl/Excl Class	Inventory Class
ZETH BROCHURE		200	0	EA	I	AV	I	RG
ZETH ENV		200	0	EA	I	AV	I	RG
ZETH LETTER		200	0	EA	I	AV	I	RG

Above is a sample of the Wave Release Orders tab.

- To lookup the kit work order that is associated with the Outbound order, look on the Outbound Order Item Tab in the lower Line in the "Child Work Order ID:" Display box. (Shown on the panel below) or the Wave Release Orders tab.

Order 370323-1 Item: ZETH BROCHURE

Item Info Shipping Comments Addl. Info

Ordered Item: ZETH BROCHURE Lot #: Quantity: 200 UOM: Each

Lbs.: Kgs.:

Item: ZETH BROCHURE Description: Zethcon Brochure UOM: Each

Status: Active Status by: JOEL Status Update: 10/24/2013 09:11 AM

Inventory Close Kit Plates

Item

	Ordered	Loaded	Picked	Pending Picks	Max. Committed
Quantity:	200			0	200
Lbs.:	2.0000			0.0000	2.0000
Kgs.:	0.9072			0.0000	0.9072
Cube:	0.1157			0	0.1157
Amount:	\$0.00			\$0.00	\$0.00

Consignee SKU: Child Work Order ID: 370324 Overpick Quantity: 1 Minimum Days to Expiration: 35

- Order Pick tasks are created for each item in the KitWorkOrder. (Shown on the panel below)

Task Information

Facility: JFW Task Type: From Section: Plate:

Customer ID: KIT Order ID: From Location: Appointment Date Range:

Priority: Load: To Location: thru

Wave:

Drag a column header here to group by that column

Facility	Priority	Task Type	Assigned To	From Location	From Section	To Location	To Section	Plate	UOM
JFW	Normal	Order Pick		C14	3				
JFW	Normal	Order Pick		C14	3				
JFW	Normal	Order Pick		C14	3				

Grid Actions

In this example, all three items had an order quantity = 200.

Overpick quantities were:

ZETH BROCHURE	35
ZETH ENV	50
ZETH LETTER	0

Complete the order picks for the KitWorkOrder for all the items and stage the items at the Kitting location.

When the inventory is staged at the kitting location, start the kitting. The order id for the kitting is the KitWorkOrder.

```
61  Workorder Kit

Order ID 370324
Ship ID 1
Location stg07
Customer KIT

=== Instructions ===
*Member Kit Compl

Select work
```

The example above shows the workorder available at location INKJET.

```
Member Kit Complete
```

```
Inkjet Envelope; Ins  
ert Generic Letter &  
Brochure into Perso  
nolized Envelope, Ki  
t Complete
```

```
F4 to complete  
Scroll notes
```

```
Member Kit Complete
```

```
Qty complete 200
```

```
Location stg07
```

```
Loc not in fac
```

The example above shows a completed quantity of 200. This includes 200 of each component item.


```
Component Cleanup

Cust KIT
Itm ZETH BROCHURE
Qty Remain 35

Qty Spoiled 0

===== Putaway =====

LP 102313008

Enter data
```

The example above shows that there were 35 left for item “ZETH BROCHURE”. No inventory was spoiled for “ZETH BROCHURE” so all 35 will be placed on a Lip and a putaway task will be generated.

```
Component Cleanup

Cust KIT
Itm ZETH ENV
Qty Remain 50

Qty Spoiled 14

===== Putaway =====

LP

Enter data
```

The example above shows that there is a quantity of 14 for ZETH ENV that is spoiled.

At this point there are:

- 2 putaway tasks for non spoiled inventory -- ZETH ENV (QTY 36 (50 – 14 spoiled – example shows LP 60844 created for non-spoiled inventory to be returned to stock)) and ZETH BROCHURE (QTY 35)
- No putaway tasks for ZETH LETTER as it had no overpick quantity and thus any spoilage or overpick.
- 1 Line pick task for the original order (3441) for lip 61810. This order will be picked and shipped normally.

The kit created the Multi-Pallet lip 61810 as shown below:

Synapse 2 - [License Plate Information for 000000102313007]

File Edit Lookup Requests Setup Window Utilities Billing Freight Billing Help

Main Info Add Info1 Adjust... Show Adjustments

Plate: 000000102313007 Plate Status: A Available Inventory Class: RG Regular User 1:

Inventory Status: AV Available Location: JFW STG07 Lot #: User 2:

Customer ID: KIT UOM: Serial #: User 3:

Item: Quantity: 600 Parent LPID: Plate Type: MP Multi-Pallet

Weight - Lbs: 600.0000 Weight - Kgs: 272.1554

Activity Sub-Plates

Drag a column header here to group by that column

License Plate	Cust ID	Description	UOM	Quantity	Inventory Class	Inventory Status	Item
500000000043247	KIT	Zethcon Brochure	Each	200	Regular	Available	ZETH BROCHURE
500000000043248	KIT	Zethcon Envelope	Each	200	Regular	Available	ZETH ENV
500000000043249	KIT	Zethcon Letter	Each	200	Regular	Available	ZETH LETTER

1 Line Item Pick task is generated for the outbound order to pick the output of the kit and stage it for regular shipping processing.

```

34 Line Item Pick In
KIT CENTRAL
Order 370323*
Pick 600          FULL
    600          1
Itm (mixed) *
1 Multi Pallet

Loc STG07          Full
LP 000000102313007
LP █

Pick. F4-Done

```

After picking and staging, the order is shipped. The three panels below show the Order Info, Shipping and Summary tabs for the shipped order.

Order 370323-1 for Customer KIT

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

Order ID: 370323 Ship ID: 1 Type: [Component Order] Customer ID: KIT Cust PO: COMP1 Reference: COMP1

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

Status: Shipped Status by: JOEL Status Update: 10/24/2013 09:33 AM Priority: Normal Shipper: One-Time

Load: 201692 Stop: 1 Shipment: 1 Load Status: Shipped Load Appointment Date/Time: Has Consumables

Wave: 213189

Print Receiver Reprint PO Confirmation Print Order Check

Items... Cancel Print Pack List Duplicate Order

Print COA View Attachment Tab View Plates Create Overs

Legend: Hazardous Over Short Cancelled

Drag a column header here to group by that column

Item	Lot Number	Order Qty.	UOM	Rcvd Qty.	Ship Qty.	Entered UOM	Entered Qty	Ordered Item	Status
ZETH BROCHURE		200	Each		200	Each	200	ZETH BROCHURE	Active
ZETH ENV		200	Each		200	Each	200	ZETH ENV	Active
ZETH LETTER		200	Each		200	Each	200	ZETH LETTER	Active

Order 370323-1 for Customer KIT

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

Ship To: John's Pizza Hut
1001 Sausage Lane
Happy Valley, CA 98765

One-Time

Bill Freight To:

One-Time

Carrier: AACT AAA COOPER Delivery Service: Saturday Delivery Okay

Shipment Type: LTL Pro Number: XDock Processing: StdndXDock Freight Value:

Shipment Terms: Prepaid Component Template: NEW MEMBER Shipping Cost: Bill Freight

Scheduled Ship Date: 10/24/2013 TMS Status: Not Appl Routing Status:

Arrival Date: 10/29/2013 TMS Shipment Identifier: Actual Cartons:

Stage Location: TMS Release Identifier: Package Cube:

FTZ 216 Authorization: Status Update: 10/24/2013 09:16 AM Weight - Lbs:

Legend: Hazardous Over Short Cancelled

Drag a column header here to group by that column

Item	Lot Number	Order Qty.	UOM	Rcvd Qty.	Ship Qty.	Entered UOM	Entered Qty	Ordered Item	Status
ZETH BROCHURE		200	Each		200	Each	200	ZETH BROCHURE	Active
ZETH ENV		200	Each		200	Each	200	ZETH ENV	Active
ZETH LETTER		200	Each		200	Each	200	ZETH LETTER	Active

3 600 0 600

Order 370323-1 for Customer KIT

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

Order Totals

From Facility: **JFW** Receipt **Shipment** Handling

	Ordered	Shipped	Picked	Pending Picks	Max. Committed
Quantity:	600	600	600	0	600
Lbs.:	6.0000	600.0000	600.0000	0.0000	6.0000
Kgs.:	2.7216	272.1554	272.1554	0.0000	2.7216
Cube:	0.3471	0.3471	0.3471	0	0.3471
User Amt:	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Trailer Temperature Readings

Trailer Nose:

Trailer Middle:

Trailer Tail:

Estimated

Cartons:

Package Cube:

Package Weight - Lbs:

Total Weight - Lbs:

Entered: **10/24/2013 09:10 AM** Confirmed: Shipped: **10/24/2013 09:33 AM** Import File ID:

Weight Entered - Lbs: **0**

Parent Order: Parent Item: Work Order: Commit Status: **Released** Weight Entered - Kgs: **0**

Legend: **Hazardous** **Over** **Short** **Cancelled**

Drag a column header here to group by that column

Item	Lot Number	Order Qty.	UOM	Rcvd Qty.	Ship Qty.	Entered UOM	Entered Qty	Ordered Item	Status
ZETH BROCHURE		200	Each		200	Each	200	ZETH BROCHURE	Active
ZETH ENV		200	Each		200	Each	200	ZETH ENV	Active
ZETH LETTER		200	Each		200	Each	200	ZETH LETTER	Active

Grid Actions

Item ZETH ENV was adjusted for the 14 spoiled.

Synapse 2 - [Inventory Adjustment Lookup]

File Edit Lookup Requests Setup Window Utilities Billing Freight Billing Help

License Plate: Item: **ZETH ENV** Inventory Status: User:

Facility: **JFW** Lot Number: Inventory Class: Adjustment Date Range: **10/24/2013** until **10/25/2013**

Customer ID: **KIT** Customer Reference: Reason:

Drag a column header here to group by that column

Adjustment Date	License Plate	Facility	Customer ID	Item	Inven	Inve	Uk	Quantil	Reason	Task Type
10/24/2013 09:27 AM	500000000043245	JFW	KIT	ZETH ENV	RG	AV	EA	-50	WD	KC
10/24/2013 09:27 AM	000000102313009	JFW	KIT	ZETH ENV	RG	AV	EA	36	WD	KC

RF Processing

After the picker completes the order pick tasks for the Kit Work Order and stages the picks at the Kitting area, the Kitting Activity can start. The following modifications were made to the existing RF Kitting processing for component template processing.

- During kit completion, the user cannot "build" more than was in the original order regardless of the quantity remaining.
- After the quantity ordered has been built (in kit completion) the user will be taken to a cleanup screen. At the top will be displayed the item and remaining quantity. The user can enter a spoilage quantity and/or an LP. If any spoilage is entered, that amount will be adjusted down using the (system default – see more details below) SPOILAGEREASON and the normal inventory adjustment logic. If an LP was entered, the difference between remaining and spoiled will be placed on the plate and a putaway task for the LP will be generated. The LP can be either a new plate or one that is part of the kit and has the same item. Note that the plate may be deleted since kitting automatically deletes plates during completion. If a deleted plate is entered, it will be restored but it must be for the kit and the same item. After an item has been processed, the next (if any) will be automatically displayed.
- The cleanup screen can be exited before all items have been processed and later re-entered via the F6 key from kit completion.
- The plates created during kit completion are master plates (MP) and each child contains one of the components.
- The RF handling of picks for the master plates is similar to that used for return-to-vendor and transfer orders - i.e. no picking overrides are allowed and only confirm container is allowed/forced on the picker.
- The plates created by kit completion for component template kitting cannot be dekitting. (Dekitting is only applicable in Make-to-Stock and Make-to-Order kitting where the new sku is dekitting into the component sku's.)

Other Notes for Component Template Kitting:

- Kit billing charges are posted against the single component template item; not the individual component items.
- After a kit work order has been picked, the commitments will be transferred to the parent outbound distribution order. At this point, the parent outbound distribution order will "appear" to have pending picks.
- Whenever picking is performed for a kitting order (these include CWOs), the status of the parent order (these include DOs and made to order kits) are no longer updated. If the parent order is a make to stock workorder, then the status is still updated since this type of order is never picked.

Special Component Kit Processing for outbound orders using Multi-Ship processing.

In situations where inventory is only defined and processed in the base UOM (for example, sheets of paper), the MultiShip processing requires a license plate for each piece that is to be picked for shipping. Outbound orders above a small quantity are unmanageable. Additional logic was added to the Component Kit processing to allow the kitting step to consolidate or “package” the individual units of inventory into larger license plates prior to the MultiShip processing.

1. Set up a component template kit item for this purpose.
2. Add the outbound order with the following information so that the Kitting process will **recognize** the order for this component kit/multiship processing.
 - a. Shipment type should be “S” for Small Package
 - b. The carrier chosen should have “Small Package Carrier” and MultiShip Processing checked yes on the carrier form.
 - c. The pick to type (Item Specs / UOM) for item that is the component template should be PACK.
 - d. Choose the Component Template created for this purpose.
 - e. Add the line items with no over pick quantities. The quantities of the line items do not need to be equal.
3. Wave Plan and release the wave.
4. Pick the kit order. Each item can be on a separate plate for input into the kitting process or can be a multi-plate.
5. Kit the order creating the output license plate(s).
6. The process will switch to the Component Packaging logic.
 - a. This allows the user to combine all the individual items at the base UOM into a larger LP for shipping.
 - b. The processing for spoilage and putaway of excess inventory found in component template kitting does not apply to this processing.
7. After the consolidation process, line picks will be generated for the newly created license plates. Picking and shipping via the MultiShip processing should proceed normally.

Spoilage Reason Code

The Spoilage reason code for the processing is added via the Default Values Table using the SPOILAGEREASON parameter as shown in the panel below.

Default Values

Parameter: **SPOILAGEREASON**

Value: **WD**

Parameter	Value
SMTP_HOST	smtp.zethcon.com
SMTP_PASS	zethcon
SMTP_PORT	25
SMTP_USER	synapse@zethcon.com
SPLITORDERS	Y
SPOILAGEREASON	WD
SUMMARIZEACCESSORYLIMIT	100
SUPPRESSANNIVERSARYDATE	N
TRACEFREIGHTBILLING	N
TRAILERLOOKUPDATE1	EXPECTED_TIME_IN
TRAILERLOOKUPDATE2	GATE_TIME_IN

The inventory spoiled at the end of the component kit process will show this as the Adjustment Reason.

DELETED License Plate Information for 500000000043245

Main Info | Addl Info | Adjust... | Show Adjustments

Cust PO: Country of Origin: Hold Reason: Last RF Operator: Adjustment Reason:
 Receipt Method: From LP: Destination: Last Task: Work Order Sequence:
 Receipt Condition: Expires: Last Count: QC Control ID: Work Order Sub-Sequence:
 Manufactured: Exp. Action: Plate Created: Disposition: Receipt Order ID:
 Quantity Tasked: Anniversary Date:

Activity | Sub-Plates

Drag a column header here to group by that column

Activity Date/Time	Item	Cust ID	Facility	Location	Plate Status	Inv Status	Hold Reason	UOM	Quantity	Type
10/24/2013 09:27 AM	ZETH ENV	KIT	JFW	STG07	Available	Available		Each	0	Pallet
10/24/2013 09:27 AM	ZETH ENV	KIT	JFW	STG07	Available	Available		Each	50	Pallet
10/24/2013 09:27 AM	ZETH ENV	KIT	JFW	STG07	In-Kitting	Available		Each	50	Pallet
10/24/2013 09:25 AM	ZETH ENV	KIT	JFW	STG07	In-Kitting	Available		Each	250	Pallet
10/24/2013 09:23 AM	ZETH ENV	KIT	JFW	SYNAPSE	Picked	Available		Each	250	Pallet
10/24/2013 09:23 AM	ZETH ENV	KIT	JFW	SYNAPSE	Picked	Available		Each	250	Pallet

The value in the SPOILAGEREASON parameter must be an entry in the AdjustmentReasons Validation Table as shown in the panel below.

Validation Tables

Table Name: **AdjustmentReasons**

Code Mask: **>Aa;0;_** ☐ Allow Header Update ☒ Allow Detail Update

Table Entries

Code	Description	Abbreviation	Last User	Last Update	User Update?
RP	Repacked per customer request	Repack	CANKLI	12/21/2006 11:14 AM	Y
RS	Reserved for Top off	Reserved	CANKLI	12/20/2006 12:51 PM	Y
SE	Shipping Error	ship err	CHAYES	8/9/2000 03:28 PM	Y
SG	System Generated (cycle counts)	SysGenerated	BRIANB	10/29/2003 05:24 PM	Y
SP	Ship To Production	Production	SUP	8/11/2004 09:22 AM	N
ST	Sample Taken	Sampled	CANKLI	10/5/2006 11:52 AM	Y
SW	System Went Down	SysDown	CFARLEY	2/10/2000 04:44 PM	Y
SY	System Error	System Error	WJONES	10/23/2000 06:04 PM	Y
TK	Filled from tanker	Tanker	JANWEI	7/3/2008 03:26 PM	Y
TP	Topped off Partial	Top-off part	CANKLI	9/19/2006 01:58 PM	Y
TS	For Sample	Sample	JANWEI	3/19/2008 01:00 PM	Y
WD	Warehouse Damage	WareDmg	SUP	2/11/2000 11:02 AM	Y
WT	Weight Adjustment	Weight	JANWEI	3/9/2007 03:41 PM	Y