



SAP Ariba 

Feature at a Glance

Handling unit retention in case of ship notice edit and ship notice draft for supplier

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Feature at a Glance

Ease of implementation  Low touch / simple
Geographic relevance  Global

Introducing: Handling unit retention in case of ship notice edit and ship notice draft for suppliers

Customer challenge

- Changes to ASN draft or already submitted ASN are very common scenarios due to increase/decrease quantity, add/remove ship notice line item, and add/delete PO line item.
- Currently supplier needs to repack the whole ship notice if changes in ASN Draft or already submitted ASNs are made.
- This causes supplier to lose already existing packaging units and they need to regenerate the print label again.

Meet that challenge with SAP Ariba

When suppliers use the ASN edit/draft feature with handling unit (HU) functionality, there is a need to retain the HU details within draft ASN as well as edit ASN. This should be applicable when:

- Supplier increases the quantity
- Supplier decreases the quantity
- Supplier adds ship notice line
- Supplier removes ship notice line
- Supplier adds PO line Item
- Supplier deletes PO line item

Experience key benefits

- With this feature, suppliers retain the HU information with draft ASNs as well as ASN edits.
- This reduces duplicate efforts while using the draft ASN or edit ASN functionality and optimizes the process as per the business needs.

Solution area

SAP Ariba Supply Chain Collaboration

Implementation information

This feature is **automatically on** for all customers with the applicable solutions and is ready for immediate use.

Prerequisites and Restrictions

None

Feature at a Glance

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Design Consideration:

When Supplier uses ASN HU functionality, with draft or edit ship notice, the handling unit information needs to be retained in these cases:

1. Supplier increases the quantity
2. Supplier adds ship notice line
3. Supplier decreases the quantity
4. Supplier removes ship notice line
5. Supplier adds PO line Item
6. Supplier deletes PO line item

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Solution Proposition:

The HU retention system will determine the difference between the packed handling units and the current items to ship, and below logic is applied:

- 1. Supplier increases the quantity:** Pack and number only the delta quantity in new HUs.
- 2. Supplier adds ship notice line item:** Pack and number the new ship notice line in new HUs.
- 3. Supplier decreases the quantity:** The user will do a manual adjustment here using “edit” and “delete” functionalities.
- 4. Supplier removes ship notice line:** Since the HUs are related to a Ship Notice Line, system will highlight the status with "Removed" indicator on all HUs for that ship notice line in Step 3 and remove them in Step 4 within the HU packing wizard.
- 5. Supplier adds PO line Item:** Pack and numbering the new PO line in a new HU, this case is the same than case number 3, since in both cases a new ship notice line is generated.
- 6. Supplier deletes PO line item:** Similar case than case number 4, a new Ship Notice Line is generated for each PO line item, if the Supplier deletes a PO line item, we have to remove all the HUs for the affected Ship Notice Line items.

Feature at a Glance

Introducing: **Handling unit retention in case of ship notice edit and ship notice draft for suppliers**

1. **Supplier increases the quantity for one or more ship notice lines**

- The functionality will pack and number only the additional quantity in new HU's and navigate to step 3 – confirm packing of HU Wizard
- On user interface there will be an indicator "Changed" for the updated ASN Line item at summary level and also will show an indicator "New" for the generated HU's based on instructions defined for the same material.
- User can reorder the packing using "Move To" functionality.

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Introducing: **Handling unit retention in case of ship notice edit and ship notice draft for suppliers**

Confirm packing plan

Save Define Instructions Next

1 Create ship notice 2 Define instructions 3 Confirm packing 4 Print labels 5 Review ship notice

All your items are packed, but you can still rearrange handling units within the packing hierarchy.

Summary

Number of items 1 Total packed 100.00 %

ASN item no.	PO no.	Part no. and description	Batch ID	ASN Quantity	Packed quantity	Packed percentage
10.1	4500130527	TT4518_3 Bullnose Shelves 4PK	CHANGED	420-EA- 180 EA	180 of 180	100.00%

Box	ASN	Description	Quantity	Buttons
Box 1 (20/20)	10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
Box 2 (20/20)	10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
Box 3 (20/20)	10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
Box 4 (20/20)	10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
Box 5 (20/20)	10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
Box 6 (20/20)	10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
Handling Unit 2		NEW		Edit
Pallet 2 (3/50)		NEW		+
Box 7 (20/20)	10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
Box 8 (20/20)	10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
Box 9 (20/20)	10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +

+ Handling Unit

Feature at a Glance

Introducing: **Handling unit retention in case of ship notice edit and ship notice draft for suppliers**

2. Supplier adds ship notice line item

- The functionality will navigate users to Step 3 - Confirm Packing of HU Wizard.
- Within this user interface system will show an indicator for the new lines at summary level and also an indicator for the new generated HUs (generated based on instructions of the same material)
- The user can reorder the packing using "Move To" functionality.

Feature at a Glance

Introducing: **Handling unit retention in case of ship notice edit and ship notice draft for suppliers**

Confirm packing plan Save Define Instructions Next

1 Create ship notice 2 Define instructions 3 Confirm packing 4 Print labels 5 Review ship notice

All your items are packed, but you can still rearrange handling units within the packing hierarchy.

Summary

Number of items 2 Total packed 100.00 %

ASN item no.	PO no.	Part no. and description	Batch ID	ASN Quantity	Packed quantity	Packed percentage
10.1	4500130527	TT4518_3 Bullnose Shelves 4PK		180 EA	180 of 180	100.00%
10.2	4500130527	TT4518_3 Bullnose Shelves 4PK		20 EA	20 of 20	100.00%

Handling Unit 2 Edit

▼ Pallet 2 (3/50) +

┆ Box 7 (20/20) 10.1 TT4518_3 Bullnose Shelves 4PK 20 EA Move to... +

┆ Box 8 (20/20) 10.1 TT4518_3 Bullnose Shelves 4PK 20 EA Move to... +

┆ Box 9 (20/20) 10.1 TT4518_3 Bullnose Shelves 4PK 20 EA Move to... +

Handling Unit 3 NEW Edit

▼ Pallet 3 (1/50) NEW +

┆ Box 10 (20/20) NEW 10.2 TT4518_3 Bullnose Shelves 4PK 20 EA Move to... +

+ Handling Unit

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3. **Supplier decreases the quantity**

The user will do a manual adjustment here using “edit” and “delete” functionalities

- In this case, the functionality will navigate to the Step 3 (Confirm Packing) of HU Wizard.
- The page will show "Changed" indicator on the affected ASN line with the previous quantity
- Supplier will do a manual arrangement, they can delete the packs using "delete" functionality and adjust the quantities using "Edit" functionality.
- The system will show an indicator for the items with reduced quantities.

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Confirm packing plan

Save Define Instructions Next

1 Create ship notice 2 Define instructions 3 Confirm packing 4 Print labels 5 Review ship notice

All your items are packed, but you can still rearrange handling units within the packing hierarchy.

Summary

Number of items 2 Total packed 166.67 %

ASN item no.	PO no.	Part no. and description	Batch ID	ASN Quantity	Packed quantity	Packed percentage
10.1	4500130527	CHANGED TT4518_3 Bullnose Shelves 4PK		400 EA 100 EA	180 of 100	180.00%
10.2	4500130527	TT4518_3 Bullnose Shelves 4PK		20 EA	20 of 20	100.00%

Handling unit type

ASN item no. Part no. and description

Handling Unit 1

Pallet 1 (6/50)

Box 1 (20/20)

Box 2 (20/20)

Box 3 (20/20)

10.1 TT4518_3 Bullnose Shelves 4PK

10.1 TT4518_3 Bullnose Shelves 4PK

10.1 TT4518_3 Bullnose Shelves 4PK

The total quantity shown on the summary has been adjusted. Please select which unit should be edited/removed to match to 100% capacity.

Handling unit type

ASN item no. Part no. and description Packed quantity Batch ID Production date Expiry date

Handling Unit 1

Pallet 1 (6/50)

Box 1 (20/20)

Box 2 (20/20)

Box 3 (20/20)

Box 4 (20/20)

Box 5 (20/20)

Box 6 (20/20)

REMOVED

REMOVED

REMOVED

REMOVED

10.1 TT4518_3 Bullnose Shelves 4PK 20 EA

Cancel Save

Move to...

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4. **Supplier removes ship notice line item**

- The functionality will navigate to the Step 3 (Confirm Packing) of HU Wizard
- System will have "Removed" indicator at summary level on the affected lines
- System will have "Removed" indicator on the HUs related to those ASN lines at line item level

Feature at a Glance

Introducing: **Handling unit retention in case of ship notice edit and ship notice draft for suppliers**

Confirm packing plan Save Define Instructions Next

1 Create ship notice — 2 Define instructions — 3 Confirm packing — 4 Print labels — 5 Review ship notice

i All your items are packed, but you can still rearrange handling units within the packing hierarchy. ×

Summary

Number of items 2 Total packed 100.00 %

ASN item no.	PO no.	Part no. and description	Batch ID	ASN Quantity	Packed quantity	Packed percentage
10.1	4500130527	TT4518_3 Bullnose Shelves 4PK		180 EA	180 of 180	100.00% █
10.2	4500130527	REMOVED TT4518_3 Bullnose Shelves 4PK		20 EA	20 of 20	100.00% █

▼ Handling Unit 3 Edit

▼ Pallet 3 (1/50) +

📦 Box 10 (20/20) REMOVED 10.2 TT4518_3 Bullnose Shelves 4PK 20 EA Move to... +

+ Handling Unit

Feature at a Glance

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5. Supplier adds PO line item

When the user adds a PO line, the system will have two options

➤ Existing material in ASN:

- The functionality has to navigate to Step 3 - Confirm Packing of HU Wizard.
- User Interface will show an indicator for the new lines at summary level
- At line item level, system will have an indicator for the new generated HUs (generated based on instructions of the same material).

➤ New material:

- The functionality has to navigate to Step 2 - Define Instructions of HU Wizard,
- User Interface will show an indicator for the new lines at summary level
- New material item will be packed as per defined instructions
- If the user makes changes on the already packed instructions those items will be packed again.

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1 Create ship notice 2 Define instructions 3 Confirm packing 4 Print labels 5 Review ship notice

i All your items are packed, but you can still rearrange handling units within the packing hierarchy. ×

Summary

ASN item no.	PO no.	Part no. and description	Batch ID	ASN Quantity	Packed quantity	Packed percentage
10.1	4500130540	TT4518_3 Bullnose Shelves 4PK		40 EA	40 of 40	100.00%
20.1	4500130540	NEW TT4518_2 Bullnose Shelves 4PK		40 EA	40 of 40	100.00%
60.1	4500130540	NEW TT4518_3 Bullnose Shelves 4PK		60 EA	60 of 60	100.00%

Total packed 100.00 %

└ Box 1 (20/20)		10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
└ Box 2 (20/20)		10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
∨ Handling Unit 2	NEW				Edit
∨ Pallet 2 (3/50)	NEW				+
└ Box 3 (20/20)	NEW	60.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
└ Box 4 (20/20)	NEW	60.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
└ Box 5 (20/20)	NEW	60.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
∨ Handling Unit 3	NEW				Edit
∨ Pallet 3 (2/50)	NEW				+
└ Box 6 (20/20)	NEW	20.1	TT4518_2 Bullnose Shelves 4PK	20 EA	Move to... +
└ Box 7 (20/20)	NEW	20.1	TT4518_2 Bullnose Shelves 4PK	20 EA	Move to... +

+ Handling Unit

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6. Supplier deletes PO line item

- The functionality will navigate user to Step 3 - Confirm Packing of HU Wizard.
- User Interface will show an indicator "Removed" at summary level.
- User interface will show an indicator "Removed" on the affected lines and the same indicator on the HUs related to those ASN lines.

Feature at a Glance

Introducing: **Handling unit retention in case of ship notice edit and ship notice draft for suppliers**

i All your items are packed, but you can still rearrange handling units within the packing hierarchy. ✕

Summary

Number of items **3** Total packed **100.00 %**

ASN item no.	PO no.	Part no. and description	Batch ID	ASN Quantity	Packed quantity	Packed percentage
10.1	4500130540	TT4518_3 Bullnose Shelves 4PK		40 EA	40 of 40	100.00% <div style="width: 100%; height: 10px; background-color: #2e7d32;"></div>
20.1	4500130540	TT4518_2 Bullnose Shelves 4PK		40 EA	40 of 40	100.00% <div style="width: 100%; height: 10px; background-color: #2e7d32;"></div>
60.1	4500130540	REMOVED TT4518_3 Bullnose Shelves 4PK		60 EA	60 of 60	100.00% <div style="width: 100%; height: 10px; background-color: #2e7d32;"></div>

+	Box 1 (20/20)		10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
+	Box 2 (20/20)		10.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
∨	Handling Unit 2					Edit
∨	Pallet 2 (3/50)					+
+	Box 3 (20/20)	REMOVED	60.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
+	Box 4 (20/20)	REMOVED	60.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
+	Box 5 (20/20)	REMOVED	60.1	TT4518_3 Bullnose Shelves 4PK	20 EA	Move to... +
∨	Handling Unit 3					Edit
∨	Pallet 3 (2/50)					+
+	Box 6 (20/20)		20.1	TT4518_2 Bullnose Shelves 4PK	20 EA	Move to... +
+	Box 7 (20/20)		20.1	TT4518_2 Bullnose Shelves 4PK	20 EA	Move to... +
+ Handling Unit						