



SAP Ariba 

Feature at a glance

Extend order confirmation and ship notice control keys to all Ariba Network users

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CONFIDENTIAL

 **Run Simple**

Feature at a Glance

Introducing: Extend order confirmation and ship notice control keys to all Ariba Network users

Ease of implementation  Some complexity

Geographic relevance  Global

Customer challenge

Customers who do not have the SCC entitlement are not able to use the Confirmation Control Keys for Order Confirmation and Ship Notices. The same applies to the Order Confirmation Tolerances.

Control Keys are a valuable feature for customers, independent of whether they are procuring indirect materials or direct materials, in order to control expected behavior on supplier creation of the order confirmation and the ship notice for specific documents.

Solution area

Operational Procurement / Ariba Network

Meet that challenge with **SAP Ariba**

Extension of the confirmation and ship notice control keys and confirmation tolerances to all Ariba Network.

Control Keys allow you to override default business rules at an line item level.

Tolerances for Quantity, Price and Delivery dates can also be defined for Order Confirmation.

Implementation information

This feature is “off” by default for customer without the SAP Ariba Supply Chain Collaboration entitlement. To enable this feature, please submit a Service Request to have this feature turned on for you.

For buyers without SAP Ariba Supply Chain Collaboration entitlement, this feature requires the Ariba Network **Enforce Control Keys for All Suppliers** entitlement

Experience key benefits

Ability to leverage purchase order (line item level) transmitted controls across the Network to drive process orchestration.

Prerequisites and Limitations

Note: SAP Ariba Cloud Integration will add Control keys “*not allowed*” for order confirmation and ship notice to the order line items in the cXML when no confirmation control information is sent by the ERP.

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Order confirmation and Shipment Notice control keys

Confirmation Control (PO line)	cXML Mapping	Description
Order Confirmation (OC)	/cXML/Request/OrderRequest/ItemOut/ControlKeys/OCInstruction	Indicates whether an order confirmation is allowed for this order or line item, regardless of the default business rules configured in the network hub
OC not allowed	Value = "notAllowed"	Prevent supplier from creating an OC for the given line item
OC allowed	Value = "allowed"	Allow suppliers to create an OC for the given line. No OC check at time of ASN or invoice creation
OC is required	Value="requiredBeforeASN"	Allow suppliers to create an OC for the given line item. At time of ASN creation, check that an OC exists (quantities do not need to match, only the existence of an OC for the given PO line)

Confirmation Control (PO line)	cXML Mapping	Description
Advance Shipment Notice (ASN)	/cXML/Request/OrderRequest/ItemOut/ControlKeys/ASNInstruction	Indicates whether a ship notice is allowed for this order or line item, regardless of the default business rules configured in the network hub
ASN not allowed	Value = "notAllowed"	Prevent supplier from creating an ASN for the given line item
ASN allowed	Value = "allowed"	Allow suppliers to create an Allow suppliers to create an ASN for the given line. No ASN check at time invoice creation

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Line #	Part # / Description	Type	Qty (Unit)	Price
1	120899	Material	1 (CS)	\$63.82 USD
CHEESE FETA PAIL				
Status				
1 Unconfirmed				
Control Keys				
Order Confirmation: not allowed				
Ship Notice: allowed				

Purchase Order details

The control key information are shown in the line item details in an separate info box

- Create Order Confirmation
- Confirm Entire Order
- Update Line Items
- Reject Entire Order

If Control Key is "not allowed" for at least one of the PO items, **Confirm Entire Order** and **Reject Entire Order** are disabled in Purchase Order view or Error message is displayed if PO is selected from Inbox

! Order confirmation is not allowed for at least one line item in this order.

↳ Create Order Confirmation ▾ | Create Ship Notice | Create Invoice ▾ | Hide | Resend Failed Orders

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Purchase Order details view

Line Items

Line #	Part # / Description	Qty (Unit)	Unit Price	Subtotal	Tax						
1	120899 CHEESE FETA PAIL	1 (CS)	\$63.82 USD	\$63.82 USD	\$5.74 USD						
Attachments:											
<table border="1"><thead><tr><th>Name</th><th>Size (bytes)</th><th>Content Type</th></tr></thead><tbody><tr><td colspan="3">No items</td></tr></tbody></table>						Name	Size (bytes)	Content Type	No items		
Name	Size (bytes)	Content Type									
No items											

Choose File No file chosen

Add Attachment

The total size of all attachments cannot exceed 100MB

2	106130 CHEESECAKE ASST SELECTS	10 (CS)	\$100.00 USD	\$1,000.00 USD	\$6.45 USD						
Current Order Status											
<input checked="" type="radio"/> 10 Unconfirmed											
Confirm:	<input type="text"/>	Backorder:	<input type="text"/>	Reject:	<input type="text"/>						
Details ⓘ											
Attachments:											
<table border="1"><thead><tr><th>Name</th><th>Size (bytes)</th><th>Content Type</th></tr></thead><tbody><tr><td colspan="3">No items</td></tr></tbody></table>						Name	Size (bytes)	Content Type	No items		
Name	Size (bytes)	Content Type									
No items											

Choose File No file chosen

Add Attachment

The total size of all attachments cannot exceed 100MB

Update Line Items:

Line Item 1 is flagged as "OC not allowed". It is displayed in read only mode

Update Line Items:

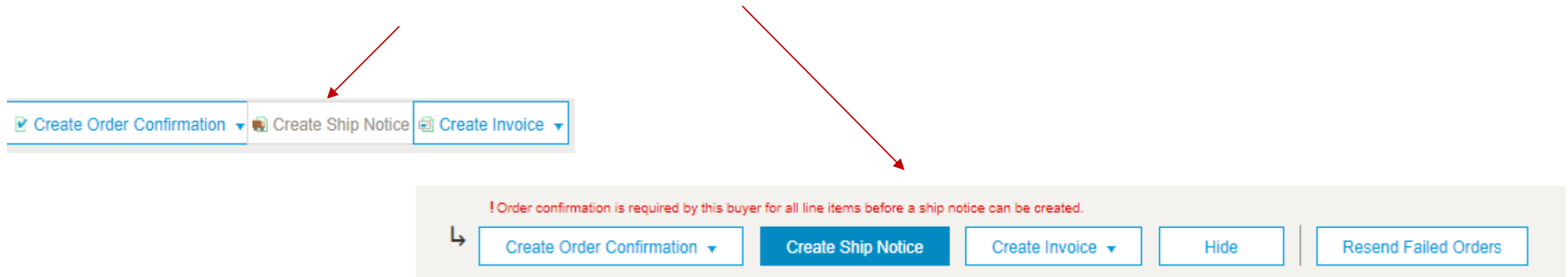
Line Item 2 is flagged as "OC allowed". User can edit and send order confirmation information

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Create Ship Notice

If Control Key value="requiredBeforeASN" for all the PO items, **Create Ship Notice** is disabled in Purchase Order view or Error message is displayed if PO is selected on Inbox



If Control Key value="requiredBeforeASN" for some, but not all the PO items, Create Ship Notice page will not show the line items that require confirmation before ASN.

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Order confirmation tolerances

Confirmation Control (PO line)	cXML Mapping	Description
Quantity Tolerance	<p>/cXML/Request/OrderRequest/ItemOut/ControlKeys /OCInstruction/Lower/Tolerances/QuantityTolerance</p> <p>/cXML/Request/OrderRequest/ItemOut/ControlKeys /OCInstruction/Upper/Tolerances/QuantityTolerance</p>	<p>The quantity tolerance for a line item.</p> <p>Can be defined in percentage or value</p>
Time Tolerance	<p>/cXML/Request/OrderRequest/ItemOut/ControlKeys /OCInstruction/Lower/Tolerances/TimeTolerance</p> <p>/cXML/Request/OrderRequest/ItemOut/ControlKeys /OCInstruction/Upper/Tolerances/TimeTolerance</p>	<p>It defines a certain amount of time used to check if a concrete delivery date is within the tolerance regarding the requested delivery date. Time Tolerance has the following attributes:</p> <ul style="list-style-type: none">• Limit: Specifies the time tolerance limit.• Type: Specifies the type of time limit. Possible values are: minutes, hours, days (default), weeks

Example:

```
<ControlKeys>
<OCInstruction value="allowed">
<Lower>
  <!-- this defines lower boundaries, shipping early, under delivery, cheaper -->
  <Tolerances>
    <QuantityTolerance>
      <Percentage percent="5" />
    </QuantityTolerance>
    <TimeTolerance limit="5" type="days" /> <!-- days early -->
  </Tolerances>
</Lower>

<Upper>
  <!-- this defines upper boundaries, shipping late, over delivery, more expensive -->
  <Tolerances>
    <QuantityTolerance>
      <Percentage percent="10" />
    </QuantityTolerance>
    <TimeTolerance limit="2" type="days" /> <!-- days late-->
  </Tolerances>
</Upper>
</OCInstruction>
```

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Quantity tolerance error message

10 Unconfirmed

Confirm: Backorder: Reject: [Details](#) ⓘ

! The quantity you entered is outside the range allowed by the buyer. Enter a quantity between 9.50 and 11.00 inclusive.

Delivery date tolerance error message

Est. Delivery Date: 

! The delivery date you entered is outside the range allowed by the buyer. Enter a date between 26 Jul 2018 and 2 Aug 2018.

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Advanced Shipment Notice tolerances (already available)

Confirmation Control (PO line)	cXML Mapping	Description
Quantity Tolerance	/cXML/Request/OrderRequest/ItemOut/ControlKeys /ASNInstruction/Lower/Tolerances/QuantityTolerance /cXML/Request/OrderRequest/ItemOut/ControlKeys /ASNInstruction/Upper/Tolerances/QuantityTolerance	The quantity tolerance for a line item. Can be defined in percentage or value

Example:

```

<ASNInstruction value="allowed">
  <Lower>
    <!-- this defines lower boundaries, shipping early, under delivery, cheaper -->
    <Tolerances>
      <QuantityTolerance>
        <Percentage percent="5" />
      </QuantityTolerance>
    </Tolerances>
  </Lower>

  <Upper>
    <!-- this defines upper boundaries, shipping late, over delivery, more expensive -->
    <Tolerances>
      <QuantityTolerance>
        <Percentage percent="10" />
      </QuantityTolerance>
    </Tolerances>
  </Upper>
</ASNInstruction>
    
```

Quantity tolerance error messages

Line	Ship Qty	Batch ID	Production Date	Expiry Date	
1	<input type="text" value="15"/>	<input type="text"/>	<input type="text" value=""/>	<input type="text" value=""/>	Add Details
<input type="button" value="Add Ship Notice Line"/>		! Current quantity is less than the quantity allowed			

Line	Ship Qty	Batch ID	Production Date	Expiry Date	
1	<input type="text" value="25"/>	<input type="text"/>	<input type="text" value=""/>	<input type="text" value=""/>	Add Details
<input type="button" value="Add Ship Notice Line"/>		! Current quantity exceeds quantity allowed			