



SAP Ariba 

# Feature at a glance

## Serial Numbers Upload

Franz Uhr, SAP Ariba  
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CONFIDENTIAL

 **Run Simple**

# Feature at a Glance

## Introducing: Serial Numbers upload

Ease of implementation

Low touch / simple

Geographic relevance

Global

### Customer challenge

Currently in Ariba Network the buyer cannot indicate that a PO item is Serial Number managed (flag, profile) and that suppliers need to provide Serial Numbers on ASN.

Also if the list of Serial Numbers to be entered is large, then the portal supplier needs to manually enter them which can be a tedious and difficult task.

### Meet that challenge with

#### SAP Ariba

- Supplier can be informed about the Serial Number request on PO line item level
- Buyer has the option to send Serial Numbers as list, range or profile along with PO line item
- Business rule for vendor, group or org level to mandate Serial Number as part of ASN
- Business rule validation logic that counts required Serial Numbers against total shipped quantity on ASN item level
- Supplier ability to csv upload Serial Numbers (one or more per PO line item) during ASN creation
- After submitting ASN supplier/buyer can view/download the csv/serial Numbers

### Experience key benefits

Better collaboration on Serial Numbers and higher automation and efficiency with mass handling of Serial Numbers.

### Solution area

SAP Ariba Supply Chain Collaboration

### Implementation information

Feature is ON by default for customers. Customers can configure the business rules, as required. Integration with SAP ERP has to be build on a custom basis.

### Prerequisites and Limitations

NONE

# Feature at a Glance

## Introducing: Serial Numbers upload

**Buyer activates Business Rule in Administration → Configuration -> Default Transaction Rules**

Require delivery dates for order confirmations and ship notices.	<input checked="" type="checkbox"/>
Require an estimated shipping date on order confirmations.	<input checked="" type="checkbox"/>
Require an actual or estimated shipping date on ship notices.	<input checked="" type="checkbox"/>
Require ship notice type on ship notices.	<input checked="" type="checkbox"/>
Allow suppliers to add delivery and transport information to ship notices. ⓘ	<input checked="" type="checkbox"/>
Allow suppliers to send non-PO ship notices through cXML.	<input type="checkbox"/>
Allow zero-quantity line items in ship notices sent through cXML.	<input type="checkbox"/>
Allow multiple orders and scheduling agreement releases in ship notices.	<input checked="" type="checkbox"/>
Require suppliers to provide a unique asset serial number for each purchase order line item on a ship notice. ⓘ	<input type="checkbox"/>
Require the total count of shipment serial numbers not to exceed the total quantity shipped for line items on ship notices.	<input checked="" type="checkbox"/>
Require suppliers to provide asset serial numbers for the total shipped quantity of line items on ship notices.	<input checked="" type="checkbox"/>
Require the Packing Slip ID to be unique on ship notices.	<input checked="" type="checkbox"/>
Allow suppliers to create invoice number automatically from Packing Slip ID when creating a ship notice.	<input type="checkbox"/>
Require suppliers to provide a Global Individual Asset ID for line items on ship notices that conforms to the Serial Shipping Container Code (SSCC) format.	<input type="checkbox"/>
Require suppliers to provide a unique Global Individual Asset ID for line items on ship notices.	<input type="checkbox"/>
Do not allow multiple Ship To addresses on a ship notice. ⓘ	<input checked="" type="checkbox"/>
Allow suppliers to use advanced packaging on ship notices. ⓘ	<input checked="" type="checkbox"/>
Do not allow suppliers to reject entire purchase orders. ⓘ	<input type="checkbox"/>
Do not allow suppliers to change line item description on order confirmations.	<input type="checkbox"/>
Allow suppliers to increase item quantities on order confirmations. ⓘ	<input checked="" type="checkbox"/>
Apply line item quantity tolerance to order confirmations. ⓘ	<input type="text" value="0"/> % (Maximum underdelivery allowed.)
Apply line item unit price tolerance to order confirmations. ⓘ	<input type="text"/> %
Allow suppliers to change the currency for unit price on order confirmations. ⓘ	<input type="checkbox"/>
Apply line item subtotal amount tolerance to order confirmations. ⓘ	<input type="text"/> %

# Feature at a Glance

## Introducing: Serial Numbers upload

### Supplier downloads Serial Number template from ASN

The screenshot displays the 'DELIVERY AND TRANSPORT INFORMATION' section of the Ariba Network Supplier interface. It includes a browser window with the URL <https://service.ariba.com/SCMSupplier.aw/128484074/aw?awh=r&awssk=gXCJEDIp#/b0>. The main form area contains fields for 'DELIVERY AND TRANSPORT INFORMATION', including 'Delivery Terms' (set to 'Transport Condition'), 'Shipping Payment Method' (set to 'Other'), and 'Shipping Contract Number'. Below these are input fields for 'Transport Terms Description' and 'Shipping Instructions'. A table lists 'Transport Terms' with columns for 'Transport Terms', 'Equipment Identification Code', 'Gross Volume', 'Unit', 'Gross Weight', 'Unit', 'Sealing Party Code', and 'Seal ID'. An 'Add Transport Term' button is present. The 'Additional Fields' section is collapsed. The 'Order Items' section shows a table with columns: Order #, Line #, Part #, Customer Part #, Qty, Unit, Need By, Ship By, Unit Price, Subtotal, and Customer Location. The first item is Order # 4500089280, Line # 10, Part # Non Catalog Item, Customer Part # PROC-FU-001, Qty 4.000, Unit EA, Need By 5 Jul 2018, Ship By, Unit Price \$100.00 USD, Subtotal \$400.00 USD, and Customer Location. Below this are 'Shipment Status' and 'Confirmation Status' details. A second table shows 'Line' details with columns: Line, Ship Qty, Supplier Batch ID, Production Date, and Expiry Date. The first row shows Line 1, Ship Qty 4.000, Supplier Batch ID, Production Date, and Expiry Date. An 'Add Ship Notice Line' button is present. At the bottom, there are buttons for 'Add Order Line Item', 'Manage Serial Numbers' (with a dropdown menu containing 'Upload new file' and 'Download template'), 'Pack Items', 'Save', 'Exit', and 'Next'.

# Feature at a Glance

## Introducing: Serial Numbers upload

### Supplier enters Serial Numbers in excel template

The screenshot shows an Excel spreadsheet titled 'FU\_Serial2 - Excel'. The ribbon includes File, Home, Insert, Page Layout, Formulas, Data, Review, View, Analysis, EPM, Data Manager, and Tell me what you want to do... The Home ribbon is active, showing options for Clipboard, Font, Alignment, Number, Styles, Cells, and Editing. The spreadsheet data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	8859_1	Code page 8859_1 is for Western European values. For more information see the documentation for Supplier Enablement Automation.															
2	Ship Notice Num	Order ID	Item Line Num	Item Supplie	Item Customer	Item Ship	Item Quar	Item Batcl	Item prod	Item expii	Item Serial	Item Asset Tag					
3	Optional	Required	Required	Optional	Optional	Required	Required	Optional	Optional	Optional	Optional	Optional					
4	String	String	Integer	String	String	Integer	Decimal	String	Date	Date	String	String					
5	Ship notice ID	Purchase order ID	Purchase ord	Supplier Part	Item Customer	Ship notice	Item quan	Item Batcl	Productio	Expiration	Item serial	Item asset tag					
6	FU_Serial2	4500089280		10 Non Catalog	PROC-FU-001	1	4					1					
7	FU_Serial2	4500089280		10 Non Catalog	PROC-FU-001	1	4					2					
8	FU_Serial2	4500089280		10 Non Catalog	PROC-FU-001	1	4					3					
9	FU_Serial2	4500089280		10 Non Catalog	PROC-FU-001	1	4					4					
10																	
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# Feature at a Glance

## Introducing: Serial Numbers upload

Supplier selects 'Upload new file' under 'Manage Serial Numbers' Tab of ASN

The screenshot displays the Ariba Network Supplier interface for managing ASN (Advanced Shipping Notice) data. The browser address bar shows the URL: <https://service.ariba.com/SCMSupplier.aw/128484074/aw?awh=r&lawssk=gXCJEDIp#/b0>. The page title is "Ariba Network Supplier".

The main content area is divided into several sections:

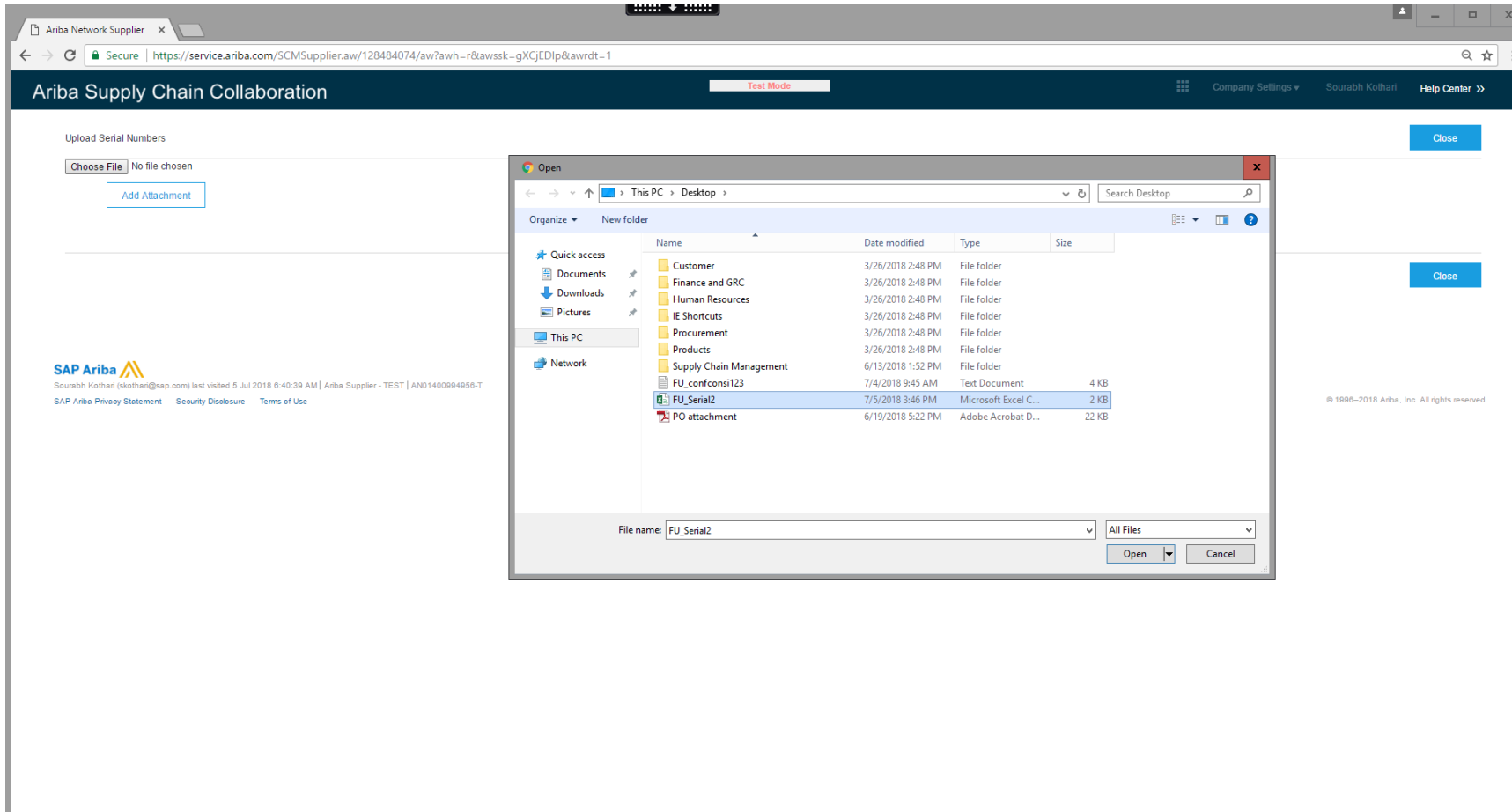
- DELIVERY AND TRANSPORT INFORMATION:** This section contains several input fields and dropdown menus. The "Delivery Terms" dropdown is set to "Transport Condition". The "Shipping Payment Method" dropdown is set to "Other". There are also text input fields for "Delivery Terms Description", "Transport Terms Description", "Shipping Contract Number", and "Shipping Instructions".
- Transport Terms Table:** A table with columns: Transport Terms, Equipment Identification Code, Gross Volume, Unit, Gross Weight, Unit, Sealing Party Code, and Seal ID. The first row shows "Other" for Transport Terms and "CFR" for Equipment Identification Code. Below the table is an "Add Transport Term" button.
- Additional Fields:** A section with a right-pointing arrow and the text "Additional Fields".
- Order Items:** A table with columns: Order #, Line #, Part #, Customer Part #, Qty, Unit, Need By, Ship By, Unit Price, Subtotal, and Customer Location. The first row shows Order # 4500089280, Line # 10, Part # Non Catalog Item, Customer Part # PROC-FU-001, Qty 4,000, Unit EA, Need By 5 Jul 2018, Ship By, Unit Price \$100.00 USD, Subtotal \$400.00 USD, and Customer Location. Below the table is an "Add Ship Notice Line" button.

At the bottom of the interface, there is a navigation bar with the following buttons: "Add Order Line Item", "Upload new file" (highlighted in blue), and "Download template".

# Feature at a Glance

## Introducing: Serial Numbers upload

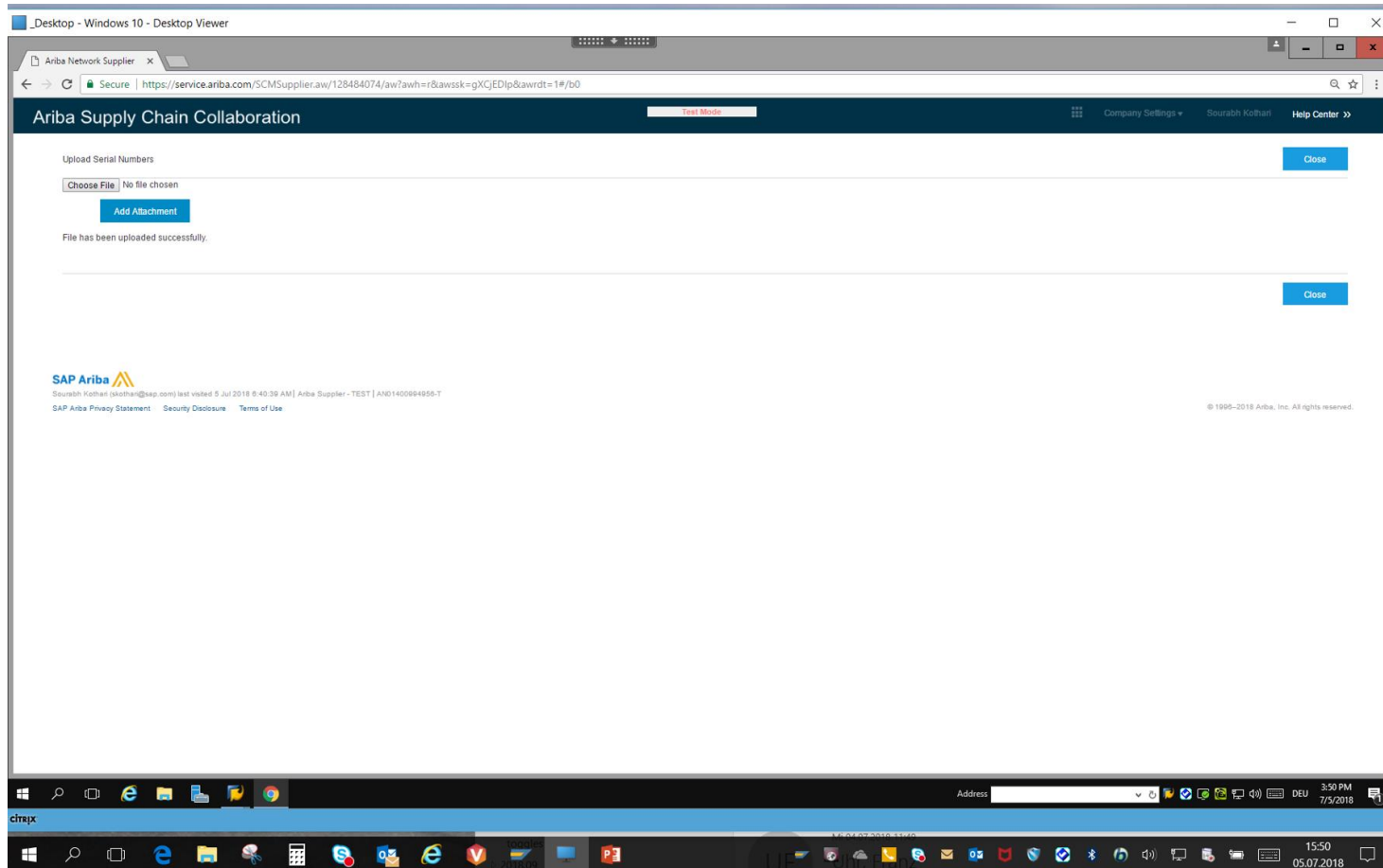
### Supplier selects excel file with Serial Numbers



# Feature at a Glance

## Introducing: Serial Numbers upload

### Upload of file successful





# Feature at a Glance

## Introducing: Serial Numbers upload

### Serial Numbers assigned to ASN item

Ariba Supply Chain Collaboration Test Mode Company Settings Sourabh Kolhari Help Center

Create Ship Notice OK Cancel

Order #	Line #	Part #	Customer Part #	Qty	Unit	Need By	Ship By	Unit Price	Subtotal	Customer Location
4500089280	10	Non Catalog Item	PROC-FU-001	4.000	EA	5 Jul 2018		\$100.00 USD	\$400.00 USD	

Description: FUs product

**SHIPMENT STATUS**  
1. Shipping 4 EA

**RETAIL DETAILS**

Best Before:

Expires By:

Free Goods Quantity:  Unit:

European Waste Catalog ID:

Color:  Code:

Size:  Code:

Grade:  Code:

Quality:  Code:

**ASSET DETAILS**  
The maximum number of assets you can enter is 4, which corresponds to the shipping quantity.

Serial Number	Asset Tag	
<input type="text"/>	<input type="text"/>	<a href="#">Remove</a>
<input type="text"/>	<input type="text"/>	<a href="#">Remove</a>
<input type="text"/>	<input type="text"/>	<a href="#">Remove</a>
<input type="text"/>	<input type="text"/>	<a href="#">Remove</a>

[HAZARD DETAILS](#)

[DELIVERY DETAILS](#)

OK Cancel

## Feature at a Glance

# Introducing: Serial Numbers Upload

## Example OrderRequest cxml structure for providing Serial Number list in PO item

```
<ItemOut lineNumber="2" quantity="10">
  <ItemID>
    <SupplierPartID>AX45185</SupplierPartID>
    <SupplierPartAuxiliaryID>LAXSPA001</SupplierPartAuxiliaryID>
    <BuyerPartID>AX45L19</BuyerPartID>
  </ItemID>
  <ItemDetail>
    <UnitPrice>
      <Money currency="USD">31.40</Money>
    </UnitPrice>
    <Description xml:lang="en">BULLNOSE SHELVES 3 PK</Description>
    <UnitOfMeasure>KG</UnitOfMeasure>
    <Classification domain="SPSC">foo</Classification>
    <ManufacturerPartID>AX458</ManufacturerPartID>
    <ManufacturerName>2000496</ManufacturerName>
  </ItemDetail>
  <ScheduleLine lineNumber="1" quantity="10" requestedDeliveryDate="2018-08-09T12:00:00+01:00">
    <UnitOfMeasure>PCE</UnitOfMeasure>
  </ScheduleLine>
  <ItemOutIndustry planningType="ATO">
    <ItemOutRetail>
      <PromotionVariantID>7-89</PromotionVariantID>
      <PromotionDealID>8-13</PromotionDealID>
    </ItemOutRetail>
    <Priority level="1"/>
    <SerialNumberInfo requiresSerialNumber="yes" type="list">
      <SerialNumber>ABC1</SerialNumber>
      <SerialNumber>123A</SerialNumber>
      <SerialNumber>456B</SerialNumber>
    </SerialNumberInfo>
  </ItemOutIndustry>
</ItemOut>
```

## Feature at a Glance

### Introducing: **Serial Numbers Upload**

**Example OrderRequest cxml structure for providing Serial Number range in PO item**

```
<SerialNumberInfo requiresSerialNumber="yes" type="range">  
  <PropertyValue name="range">  
    <Characteristic domain = "minimum" value="70000"/>  
    <Characteristic domain = "maximum" value="90000"/>  
  </PropertyValue>  
</SerialNumberInfo>
```