

Subcontracting Process Enhancements (CSC-40375)

Target GA: August, 2024

Feature Overview

Introducing: Subcontracting Process Enhancements – CSC-40375

Feature Description

Subcontracting Process Enhancements.

Key Benefits

This capability will enable the buyer to enforce the mandatory provision of customer batch by the supplier for the scenario where the component material is batch managed. Allow for the provision of the remainder component quantity to be consumed when reporting component consumption in SAP BN UI.

Audience:

Buyer and Supplier

Enablement Model:

High Touch

Applicable Solutions:

SAP Business
Network

Prerequisites, Restrictions And Cautions

Prerequisites

- SAP Ariba Supply Chain Collaboration entitlement needs to be enabled to use the capability.

Restrictions

- None

Cautions

- None

User Story

The buyers and suppliers are collaborating using sub contracting PO. The subcontracting order document from buyer to supplier comes with subcontracting components with information of whether components are batch managed.

As the supplier starts producing the finished product ordered by the buyer and

- Creates an advanced ship notice(ASN)
- Reports the components consumed from the PO

the buyer wants the supplier to provide batch number when reporting component consumption for batch managed components.



Batch Number Required When Reporting Consumption of Batch Managed Components

Feature Details

cXML Enhancement To Pass the Batch Required Information for Subcontracting Components

```
<!--  
  Defines industry specific information for SubcontractingComponent.  
  SubcontractingComponentLifeSciences: Defines life sciences industry specific information for SubcontractingComponent.  
  BatchInfo: provides information on whether a batch number is required while reporting component consumption.  
-->  
<!ELEMENT SubcontractingComponentIndustry (SubcontractingComponentLifeSciences?, BatchInfo?)>
```

1

1. The highlighted element BatchInfo was introduced in version 1.2.060 of cXML for OrderRequest message at the schedule line level to provide visibility to the supplier that batch number is required for subcontracting components and to support batch validation requirement.

Feature Details

Sample cXML Portion of OrderRequest Message Showing Batch Required Information Being Passed for Batch Managed Components.

```
<ScheduleLine quantity="10.000" requestedDeliveryDate="2023-04-30T12:00:00+02:00" lineNumber="1">
  <UnitOfMeasure>EA</UnitOfMeasure>
  <SubcontractingComponent quantity="10.000" requirementDate="2023-04-12T12:00:00+02:00">
    <ComponentID>10_1_0001</ComponentID>
    <UnitOfMeasure>EA</UnitOfMeasure>
    <Description xml:lang="EN">CSCs - Key Board</Description>
    <Product>
      <BuyerPartID>CSC_KEY_BOARD_BM</BuyerPartID>
    </Product>
    <Batch>
      <BuyerBatchID>CSC_KB_001</BuyerBatchID>
    </Batch>
    <SubcontractingComponentIndustry>
      <SubcontractingComponentLifeSciences>
        <LabelID>Label14311</LabelID>
        </SubcontractingComponentLifeSciences>
        <BatchInfo requiresBatch="yes"/>
      </SubcontractingComponentIndustry>
    </SubcontractingComponent>
  </ScheduleLine>
```

1. The highlighted portion shows the batch required information being passed in OrderRequest message for batch managed components whose consumption will be provided via ship notice or component consumption request.

Feature Details

New Transaction Rule To Enable the Check For Batch Managed Components

Component Consumption Rules

- Do not allow consumption to exceed balance quantity in component inventory.
- Require all quantities of consumed components in a ship notice not to exceed the component quantities in the related purchase order, scheduling agreement, or scheduling agreement release.
- Require buyer batch matching in component inventory.
- Require suppliers to provide a unique asset serial number for each purchase order line item with consumed components.
- Require the total count of shipment serial numbers to not exceed the total quantity shipped for line items with consumed components.
- Require suppliers to provide asset serial numbers for the total shipped quantity of line items with consumed components.
- Require supplier to provide customer batch number for batch managed components.

1

1. The highlighted newly introduced transaction rule is available for buyer under “Component Consumption Rules” section should be enabled to validate that batch number is being provided for the batch managed components in the purchase order.

The validation will occur in the UI, Excel upload/download and B2B scenario.

Feature Details

Error When Customer Batch Number Not Provided For Components While Reporting Component Consumption During Creation of Ship Notice in UI

The screenshot shows the 'Create Ship Notice' interface in SAP Business Network. The main table lists order details for Order No. 45000012124, Line No. 20, Part No. cui-400-C, and Customer Part No. selina-400-C. The quantity is 5,000 PK units, with a need by date of 9 Feb 2023 and a unit price of \$31.20 USD. The subtotal is \$156,000.00 USD, and the customer location is Item-WuXi. The description is 'Laptop 4 PK'.

Below the main table, the 'CONSUMED COMPONENTS' section contains a table with the following data:

Line	Customer Part No. / Description	Customer Batch No.	Part No.	Batch No.	Quantity	Unit	Serial Number	Actions
1	selina01-400-C Computer Monitor	<input type="text"/>	cui01-400-C	<input type="text"/>	1	PK	0/1	Actions

A red error message is displayed below the 'Customer Batch No.' field: 'Enter value, field cannot be empty.' A yellow circle with the number '1' highlights this error message.

The interface also includes sections for 'RETAIL DETAILS' (Best Before, Expires By, Free Goods Quantity, European Waste Catalog ID, Color, Size, Grade, Quality) and 'ASSET DETAILS' (Serial Number, Asset Tag). There are buttons for 'Add Component', 'Copy Order Quantities', 'Copy Remaining Quantities', 'Clear All Quantities', and 'Add Asset'. The bottom of the screen has 'OK' and 'Cancel' buttons.

1. Error message preventing the supplier user from moving to the next step when the needed customer batch no information is not provided when reporting consumption for batch managed components.

Feature Details

Error When Customer Batch Number Not Provided For Components While Reporting Component Consumption in UI

SAP Business Network - Enterprise Account

Create Consumption Document

!Please correct the following errors and resubmit * Indicates required field

FROM: hp-sup@sap.com, UnitDummy, Arkansas City, AR 71630, United States, Phone: +1 (650) 3902788, Fax: +1 (650) 3902788, Email: hp-sup@sap.com

TO: hp-buy@sap.com, UnitDummy, Sunnyvale, CA 94089, United States, Phone: +1 (650) 3902788, Fax: +1 (650) 3902788, Email: hp-buy@sap.com

Document No.: CONS_12124
Creation Date: 27 Jun 2024

Additional Fields
Comments:

Attachments
The total size of all attachments cannot exceed 10MB
Choose File No file chosen Add Attachment

Order Items

Order ID	Item	Customer Part No. / Description	Customer Batch No.	Part No.	Batch No.	Yield Quantity	Serial Number	
4500012124	1	selina-300-C	selina-batch-400-C	cul-300-C	cul-batch-400-C		0/0	Actions Summary

Laptop 4 PK
 Consumption is complete.

Consumed Components

Line	Customer Part No. / Description	Customer Batch No.	Part No.	Batch No.	Quantity	Unit	Serial Number	
1	selina01-400-C	selina01-batch-400-C	cu01-400-C	cu01-batch-400-C		PK	0/0	Duplicate Actions

Computer Monitor
Add Component Copy Order Quantities Copy Remaining Quantities Clear All Quantities

Order ID	Item	Customer Part No. / Description	Customer Batch No.	Part No.	Batch No.	Yield Quantity	Serial Number	
4500012124	20	selina-400-C		cul-400-C			0/0	Actions Summary

Laptop 4 PK
 Consumption is complete.

Consumed Components

Line	Customer Part No. / Description	Customer Batch No.	Part No.	Batch No.	Quantity	Unit	Serial Number	
1	selina01-400-C		cu01-400-C		1	PK	0/1	Duplicate Actions

Computer Monitor
!Enter value, field cannot be empty.

1. Error message preventing the supplier user from moving to the next step when the needed customer batch no information is not provided when reporting consumption for batch managed components.



New Button To Copy Remaining Quantity of Components When Reporting Component Consumption Via Report Consumption or Ship Notice

Feature Details

New Button Copy Remaining Quantities During Creation Of Ship Notices

SAP Business Network - Enterprise Account - TEST MODE

Create Ship Notice

Order No.	Line No.	Part No.	Customer Part No.	Qty	Unit	Need By	Ship By	Customer Location
4500121711	10	VEN_CSC_LAPTOP_BM	CSC_LAPTOP_BM	10.000	EA	1 Aug 2024 PDT 2 Aug 2024 Buyer time		0001

Description: CSC - Laptop, Batch Managed

SHIPMENT STATUS

1. Shipping 9 EA (Customer Batch ID: CSC_LT0P_1)

CONSUMED COMPONENTS

Line	Customer Part No. / Description	Customer Batch No.	Part No.	Batch No.	Quantity	Unit	Serial Number	Actions
1	CSC_KEY_BOARD_BM CSCs - Key Board	CSC_KB_001				EA	0/0	Actions
2	CSC_SSD_BM CSC - Solid State Drive, Batch Managed	CSC_SSD_01				EA	0/0	Actions
3	CSC_RAM_BM CSCs - Random Access Memory, Batch mngd	CSC_RAM_01				EA	0/0	Actions
4	CSC_CARD_READER_BM CSC - Card Reader, Batch Managed	CSC_CR_001				EA	0/0	Actions
5	CSC_MONITOR_BM CSCs - Monitor, Batch Managed	CSC_MON_01				EA	0/0	Actions

Buttons: Add Component, Copy Order Quantities, Copy Remaining Quantities, Clear All Quantities

ASSET DETAILS

Serial Number: Asset Tag:

Add Asset

HAZARD DETAILS

DELIVERY DETAILS

Delivery Terms: Transport Condition

Description:

Transport Terms: Other

Incoterms Description:

1. New button “Copy Remaining Quantities” is available which will let user populate the remaining quantity of components in PO based on components consumed so far for the PO item.

Feature Details

New Button Copy Remaining Quantities When Reporting Consumption

Business Network Enterprise Account

Create Consumption Document

* Indicates required field

FROM
tlq@jais
JuniDummy
Arkansas City, AR 71630
United States
Phone: +1 (650) 3902788
Fax: +1 (650) 3902788
Email: tlq@jais@sap.com

TO
q@jesathayer01 - TEST
JuniDummy
Sunnyvale, CA 94089
United States
Phone: +1 (650) 3902788
Fax: +1 (650) 3902788
Email: karthikeyan.ramanathan@sap.com

Document No.: RC121711
Creation Date: 27 Jun 2024

Additional Fields
Comments:

Attachments
The total size of all attachments cannot exceed 100MB
Browse... No file selected. Add Attachment

Order Items

Order ID	Item	Customer Part No. / Description	Customer Batch No.	Part No.	Batch No.	Yield	Quantity	Serial Number	
4500121711	10	CSC_LAPTOP_BM	CSC_LTOP_1	VEN_CSC_LAPTOP_BM				00	Actions - Summary
CSC - Laptop, Batch Managed									
<input type="checkbox"/> Consumption is complete.									
Consumed Components									
Line	Customer Part No. / Description	Customer Batch No.	Part No.	Batch No.	Quantity	Unit	Serial Number		
1	CSC_CARD_READER_BM	CSC_CR_001				EA	00	Duplicate	Actions -
CSC - Card Reader, Batch Managed									
2	CSC_KEY_BOARD_BM	CSC_KB_001				EA	00	Duplicate	Actions -
CSCs - Key Board									
3	CSC_MONITOR_BM	CSC_MON_01				EA	00	Duplicate	Actions -
CSCs - Monitor, Batch Managed									
4	CSC_RAM_BM	CSC_RAM_01				EA	00	Duplicate	Actions -
CSCs - Random Access Memory, Batch mngd									
5	CSC_SSD_BM	CSC_SSD_01				EA	00	Duplicate	Actions -
CSC - Solid State Drive, Batch Managed									

Add Component Copy Order Quantities Copy Remaining Quantities Clear All Quantities

Manage Serial Numbers

1. New button “Copy Remaining Quantities” is available which will let user populate the remaining quantity of components in PO based on components consumed so far for the PO item.



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