

Serial Numbers on Component Receipt CSC-41682

Target GA: November, 2024



Feature Overview

Introducing: **Serial Numbers on Component Receipt CSC-41682**

Customer Challenge

Subcontracting processes are quite diverse based on industry and customer requirements. Therewith there is the need to track and validate the lifecycle of finished products and contained components.

Until now, Subcontracting on SAP BN SCC does not support serial number handling on level of Component Receipt.

Key Benefits

Supplier will be able to capture serial number information for received components within a subcontracting scenario.

This ensures proper track and trace of serialized components and managing related exceptions

Audience:

Buyer and Supplier

Enablement Model:

Automatically On

Applicable Solutions:

SAP Business Network
for Supply Chain

Serial Numbers on Component Receipt CSC-41682

Description

This capability will allow suppliers to provide serial numbers for serialized products when creating a component receipt for a component ship notice enabling serialized tracking of products.

Scope overview:

- **Entry of serial numbers** – Via component receipt creation UI. *Supplier Only*
- **Existing Validations** – *Buyer only*
 - Require the quantity of a component receipt item to not exceed the component ship notice quantity.
- **New Business Rules** – *Buyer only*
 - Require serial numbers to be mandatory in the Component Receipt whenever they are present in the Component Ship Notice.
 - Require the serial numbers that are a part of the Component Ship Notice to be included in the Component Receipt.
 - Require the total count of component receipt serial numbers to match the total quantity received for line items in a component receipt.

Prerequisites, Restrictions, Cautions

Prerequisites

- AN toggle to be enabled:

CSC-4334

MATERIAL_TRACEABILITY_SRN_AND_CR_CAPABILITY

Restrictions

- Each component ship notice and component receipt document should have a maximum of 10,000 serial numbers.

Serial Numbers on Component Receipt CSC-41682

Buyer side business rules

Component Receipt Rules

- Require serial numbers to be mandatory in the Component Receipt whenever they are present in the Component Ship Notice.
- Require the serial numbers that are a part of the Component Ship Notice to be included in the Component Receipt.
- Require the total count of component receipt serial numbers to match the total quantity received for line items in a component receipt.

Serial Numbers on Component Receipt CSC-41682

Supplier Screen Validation in case serial numbers set to mandatory based on the business rule

Create Receipt
Next
Exit

* Indicates required field

SHIP FROM

SAP Labs LLC
3412 Hillview Ave
Palo Alto, 94304
United States
Email:

SHIP TO

SAP Deutschland SE And Co. KG
Hasso-Plattner-Ring 7
12345 Walldorf
Berlin
Germany
Email:

Receipt #:

Receipt Date:

Comments:

Components

Line #	Customer Part # / Description	Customer Batch #	Part #	Batch #	Received Quantity	Unit	Shipped Quantity	Unit	Shipment Reference #	Shipment Reference Line #	Order Reference #	Order Reference Line #	
1	BuyerPart01-\$202421_6-1	Buyer01-batch-\$202421_6-1	SupplierPart01-\$202421_6-1	<input type="text" value="Supplier01-batch-\$202421_6-1"/>	<input type="text" value="15"/>	EA	15.0	EA	CSN-202421_6	100	PO_0_202421_6	100	Actions ▾
<i>Description CSC Material 001</i>													
2	BuyerPart02-\$202421_6-1	Buyer02-batch-\$202421_6-1	SupplierPart02-\$202421_6-1	<input type="text" value="Supplier02-batch-\$202421_6-1"/>	<input type="text" value="30"/>	EA	30.0	EA	CSN-202421_6	200	PO_0_202421_6	200	Actions ▾
<i>Description CSC Material 002</i>													

[Manage Serial Numbers ▾](#)

[Add Serial Numbers](#)

Serial Numbers on Component Receipt CSC-41682

Supplier Screen Pop Up Screen for manual entry of serial number and autofill

Create Receipt Next Exit

** Indicates required field*

SHIP FROM
SAP Labs LLC
3412 Hillview Ave
Palo Alto, 94304
United States
Email:

SHIP TO
SAP Deutschland SE And Co. KG
Hafen-Platz 7

Receipt #: * CR-test-1

Receipt Date: * 24 Jun 2024

Comments:

Components

Line #	Customer Part # / Description	Customer Batch #	Part #	Batch #
1	BuyerPart01-\$202421_6-1	Buyer01-batch-\$202421_6-1	SupplierPart01-\$202421_6-1	Supplier
Description CSC Material 001				
2	BuyerPart02-\$202421_6-1	Buyer02-batch-\$202421_6-1	SupplierPart02-\$202421_6-1	Supplier
Description CSC Material 002				

Add Serial Numbers Reset

Customer Part No. Customer Batch No. Part No. Received Quantity
BuyerPart02-\$202421_6-1 Buyer02-batch-\$202421_6-1 SupplierPart02-\$202421_6-1 30

Add Serial Numbers Autofill Serial Numbers

Serial Numbers (6 / 30)

SNB1_202421_6	Remove
SNB2_202421_6	Remove
SNB3_202421_6	Remove
SNB4_202421_6	Remove
SNB5_202421_6	Remove
SNB6_202421_6	Remove

Confirm Cancel

Manage Serial Numbers

Shipment Reference Line #	Order Reference #	Order Reference Line #	Actions
100	PO_0_202421_6	100	Actions
200	PO_0_202421_6	200	Actions

Serial Numbers on Component Receipt CSC-41682

Supplier Screen Pop Up Screen for manual entry of serial number and related validation message

Create Receipt Next Exit

* Indicates required field

SHIP FROM

SAP Labs LLC
3412 Hillview Ave
Palo Alto, 94304
United States
Email:

SHIP TO

SAP Deutschland SE And Co. KG

Receipt #: CR-test-1

Receipt Date: 24 Jun 2024

Comments:

Components

Line #	Customer Part # / Description	Customer Batch #	Part #
1	BuyerPart01-\$202421_6-1	Buyer01-batch-\$202421_6-1	SupplierPart01-\$202421_6-1
Description CSC Material 001			
2	BuyerPart02-\$202421_6-1	Buyer02-batch-\$202421_6-1	SupplierPart02-\$202421_6-1
Description CSC Material 002			

Manage Serial Numbers

Add Serial Numbers Reset

Customer Part No. BuyerPart02-\$202421_6-1 Customer Batch No. Buyer02-batch-\$202421_6-1 Part No. SupplierPart02-\$202421_6-1 Received Quantity 30

SN-123 Add Serial Numbers Autofill Serial Numbers

Serial Number count 7 should match the quantity 30 for the buyer part id BuyerPart02-\$202421_6-1
The serial number - SN-123 does not exist for the part id BuyerPart02-\$202421_6-1 in the component ship notice CSN-202421_6 and line number 200

Serial Numbers (7 / 30)

SNB1_202421_6	Remove
SNB2_202421_6	Remove
SNB3_202421_6	Remove
SNB4_202421_6	Remove
SNB5_202421_6	Remove
SNB6_202421_6	Remove
SN-123	Remove

Confirm Cancel

Component Reference Line # Order Reference # Order Reference Line #

	PO_0_202421_6	100	Actions
	PO_0_202421_6	200	Actions

Serial Numbers on Component Receipt CSC-41682

Supplier Screen autofill information note

Create Receipt

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

SHIP FROM

SAP Labs LLC
3412 Hillview Ave
Palo Alto, 94304
United States
Email:

SHIP TO

SAP Deutschland SE And Co. KG
Hasso-Plattner-Ring 7
12345 Walldorf
Berlin
Germany
Email:

Receipt #:* CR-test-1

Receipt Date:* 24 Jun 2024

Comments:

Components

Line #	Customer Part # / Description	Buyer Part #	Supplier Part #	Supplier Part #	EA	EA	Shipment Reference #	Shipment Reference Line
1	BuyerPart01-\$202421_6-1						CSN-202421_6	100
2	BuyerPart02-\$202421_6-1 <i>Description CSC Material 001</i>	Buyer02-batch-\$202421_6-1	SupplierPart02-\$202421_6-1	Supplier02-batch-\$202421_6-1	EA	EA	CSN-202421_6	200
	<i>Description CSC Material 002</i>							

AUTOFILL ALL CONFIRMATION

⚠ AutoFill All will fill available serial numbers for all the line items corresponding to Component Ship Notice serial numbers. Select Confirm to proceed !

Confirm Cancel

component ship notice CSN-202421_6 has at least one serial number for the line number 100

! Enter a Serial Number when the component ship notice CSN-202421_6 has at least one serial number for the line number 200

Manage Serial Numbers

Serial Numbers on Component Receipt CSC-41682

Supplier Screen excel upload for serial numbers

Create Receipt

* Indicates required field

SHIP FROM

SAP Labs LLC
3412 Hillview Ave
Palo Alto, 94304
United States
Email:

SHIP TO

SAP Deutschland SE And Co. KG
Hasso-Plattner-Ring 7
12345 Walldorf
Berlin
Germany
Email:

Receipt #: *

Receipt Date: *

Comments:

Components

Line #	Customer Part # / Description	Customer Batch #	Part #	Batch #	Received Quantity	Unit	Shipped Quantity	Unit	Shipment Reference #	Shipment Reference Line #
1	BuyerPart01-\$202421_6-1	Buyer01-batch-\$202421_6-1	SupplierPart01-\$202421_6-1	<input type="text" value="Supplier01-batch-\$202421_6-1"/>	<input type="text" value="15"/>	EA	15.0	EA	CSN-202421_6	100
<i>Description CSC Material 001</i>										
2	BuyerPart02-\$202421_6-1	Buyer02-batch-\$202421_6-1	SupplierPart02-\$202421_6-1	<input type="text" value="Supplier02-batch-\$202421_6-1"/>	<input type="text" value="30"/>	EA	30.0	EA	CSN-202421_6	200
<i>Description CSC Material 002</i>										

[Manage Serial Numbers](#) ▾

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- [Auto Clear All](#)

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