

# Improve Supplier Visibility of Purchase Order Line Items Deleted by Buyers (CSC-34486/SBNI-12)

Target GA: May, 2024



## Feature Overview

# Introducing: Improve Supplier Visibility of Purchase Order Line Items Deleted by Buyers (CSC-34486/SBNI-12)

## Feature Description

- Suppliers gain visibility into deleted line items in regular purchase orders, preventing inadvertent document submissions against removed items like order confirmations, ship notices, service entry sheets, and invoices.

## Key Benefits

- This feature helps suppliers easily view which line items were deleted in purchase orders, preventing them from accidentally submitting documents for removed items.

### Audience:

Buyers and Suppliers

### Enablement Model:

Customer Configured

### Applicable Solutions:

- SAP Business Network for Supply Chain
- SAP ERP Central Component (SAP ECC)
- SAP S/4HANA with the CIG Add-On

# Prerequisites, Restrictions, Cautions

## Prerequisites

- Supported only for:
  - SAP ERP Central Component (SAP ECC)
  - SAP S/4HANA with the CIG Add-On
  - SAP Business Network for Supply Chain

## Restrictions

- None

## Cautions

- None

# User Story

As a buyer, I want to indicate deleted items in a purchase order to my suppliers. I need to be able to select specific suppliers to send delete item indicators to. I use the Buyer CIG Add-On to set this up.

When I send a purchase order to an integrated supplier, they can identify deleted items either through the SAP Business Network portal or via standard formats for order changes like ANSI X12 or UN/EDIFACT.

This feature streamlines communication by eliminating the need for suppliers to manually compare previous versions of purchase orders to identify deleted items.



# Feature Details – Configuring Send Purchase Order Delete Indicator

## 1. Select Enable Vendors

The screenshot shows the SAP IMG interface. The breadcrumb trail is: Existing BC Sets > BC Sets for Activity > Activated BC Sets for Activity. The left-hand 'Structure' pane is expanded to 'General Settings' under 'SAP Business Network Integration'. The 'Enable Vendors' option is highlighted with a red circle.



## 2. Add the supplier details as a new entry

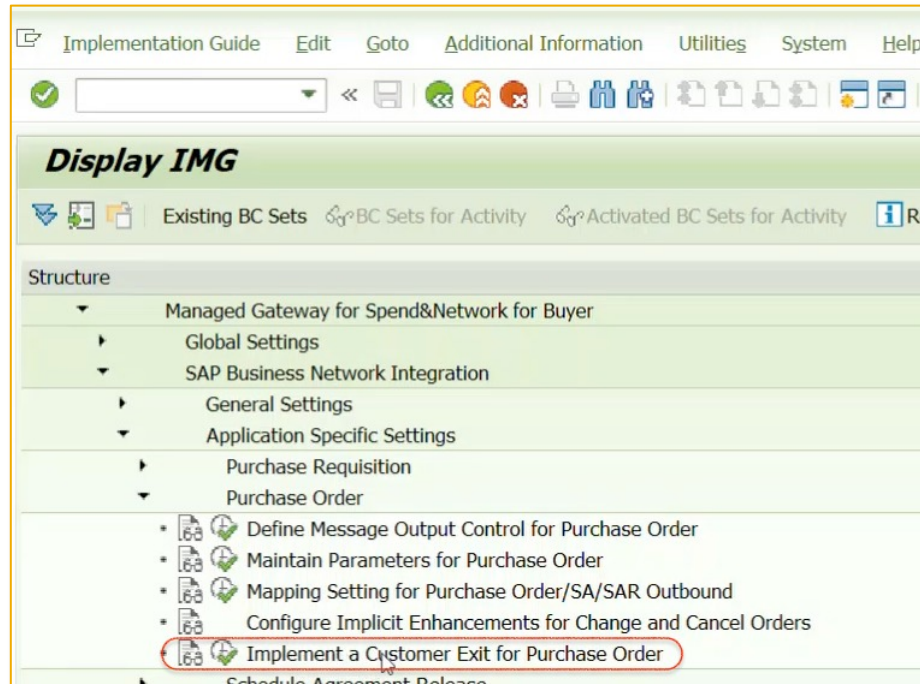
## 3. In the **Send PO Del Ind** column

1. Enter **X** if the supplier can receive deleted line items
2. Leave the column blank if the supplier cannot receive deleted line items

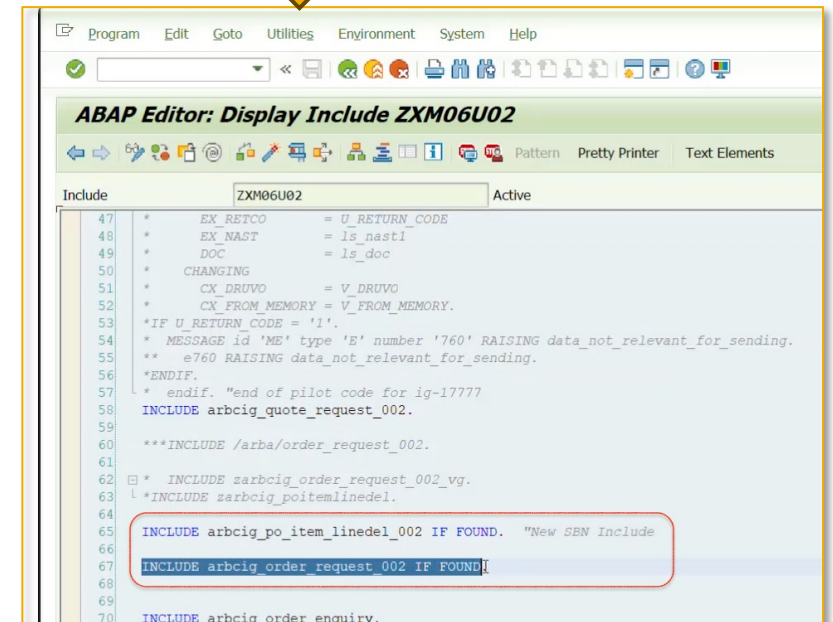
The screenshot shows the 'SAP Business Network Vendor Table' in 'Table View'. The table has three columns: CoCd, Supplier, and Send PO Del Ind. The first row is highlighted in yellow and has 'X' in the 'Send PO Del Ind' column. A red box highlights the 'Send PO Del Ind' column header and the 'X' in the first row.

CoCd	Supplier	Send PO Del Ind
0001	0000	X
0001	100001	X
0001	100005	X
0001	100010	

# Feature Details – CIG Enable Customer Exit

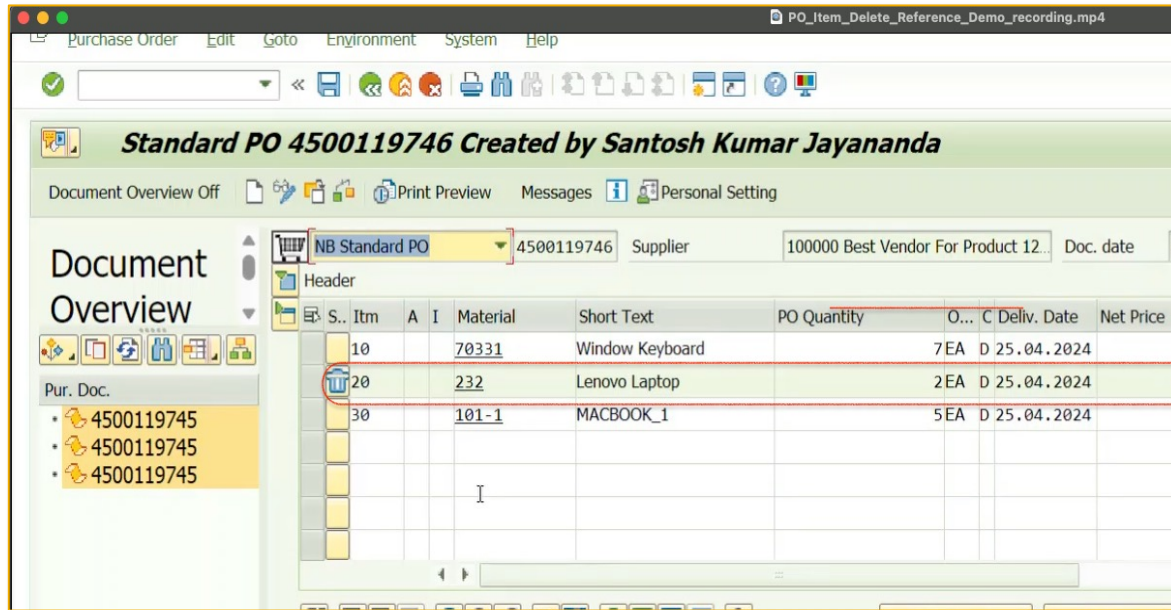


- 6.2. Copy and paste the following code: `INCLUDE ARBCIG_ORDER_REQUEST_002 IF FOUND.`
- 6.3. Click **Activate**.
7. Go back and click **Components** and then double-click the enhancement name `EXIT_SAPLEINM_011`.
  - 7.1. In the new screen that appears, double-click `INCLUDE ZXM06U33` and click **Enter**.
  - 7.2. Copy and paste the following code: `INCLUDE ARBCIG_ORDER_REQUEST_011 IF FOUND.`
  - 7.3. Click **Activate**.
8. Go back and click **Components** and then double-click the enhancement name `EXIT_SAPLEINM_002`.
  - 8.1. In the new screen that appears, double-click `INCLUDE ZXM06U02` and click **Enter**.
  - 8.2. Copy and paste the following code: `INCLUDE ARBCIG_PO_ITEM_LINEDEL_002 IF FOUND.`  
Make sure this include will always be the preceding include for `ARBCIG_ORDER_REQUEST_002` when PO deleted items entries are expected in IDOC type `ARBCIG_ORDERS`.
  - 8.3. Copy and paste the following code: `INCLUDE ARBCIG_ORDER_REQUEST_002 IF FOUND.`
  - 8.4. Click **Activate**.
9. Go back and click **activate**.



# Feature Details – CIG Supplier Side - Deleted Lines Visible for Portal and Integrated Suppliers

Update purchase order to delete a line item



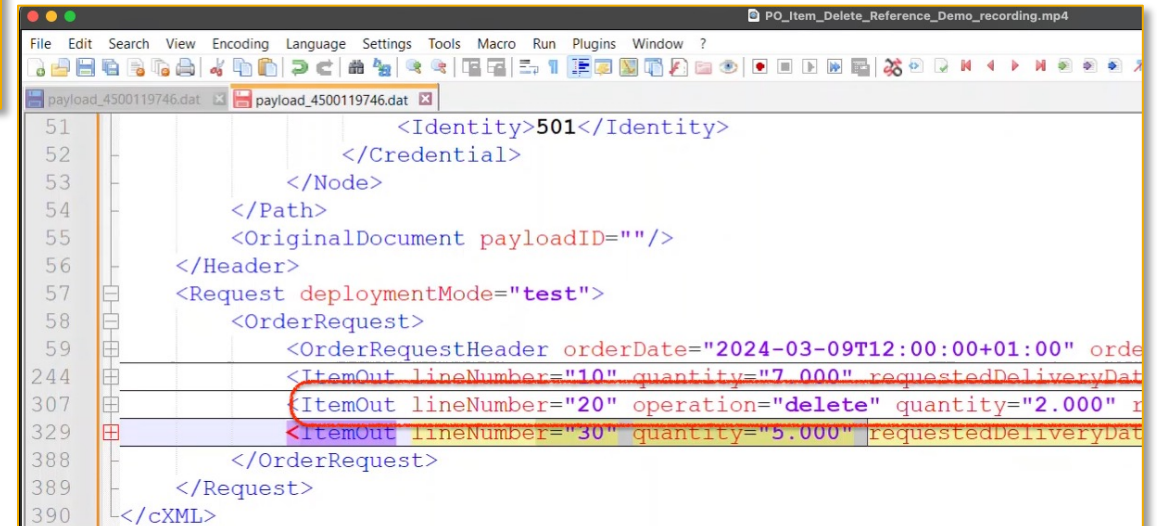
Standard PO 4500119746 Created by Santosh Kumar Jayananda

Document Overview Off | Print Preview | Messages | Personal Setting

Pur. Doc. 4500119745, 4500119745, 4500119745

S.	Itm	A	I	Material	Short Text	PO Quantity	O...	C	Deliv. Date	Net Price
10				70331	Window Keyboard	7 EA	D		25.04.2024	
20				232	Lenovo Laptop	2 EA	D		25.04.2024	
30				101-1	MACBOOK_1	5 EA	D		25.04.2024	

Purchase order cXML contains the deleted line item; attribute is **operation="delete"**

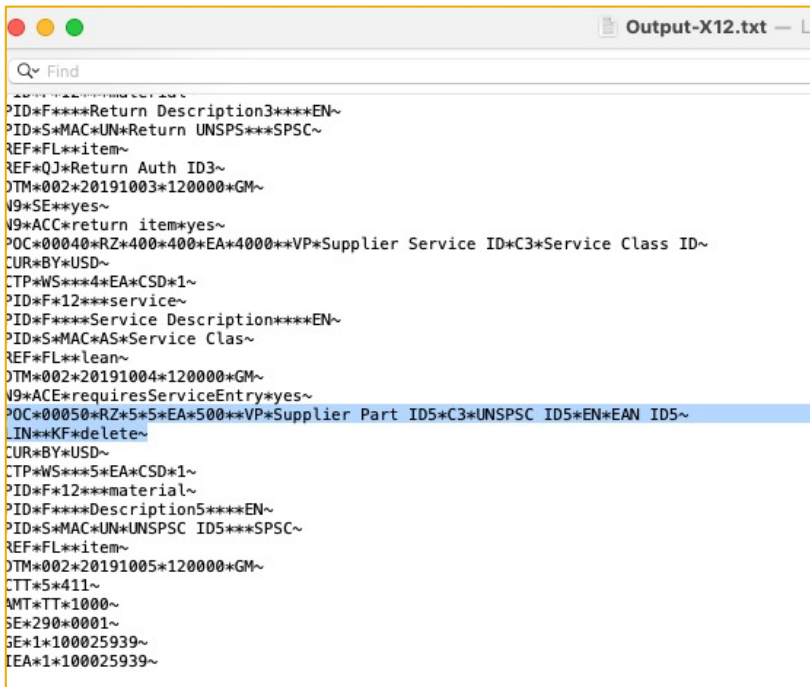


```
51         <Identity>501</Identity>
52         </Credential>
53     </Node>
54 </Path>
55 <OriginalDocument payloadID=""/>
56 </Header>
57 <Request deploymentMode="test">
58     <OrderRequest>
59         <OrderRequestHeader orderDate="2024-03-09T12:00:00+01:00" orde
244         <ItemOut lineNumber="10" quantity="7.000" requestedDeliveryDat
307         <ItemOut lineNumber="20" operation="delete" quantity="2.000" r
329         <ItemOut lineNumber="30" quantity="5.000" requestedDeliveryDat
388     </OrderRequest>
389 </Request>
390 </cXML>
```

# Feature Details – CIG Supplier Side - Deleted Lines Visible for Integrated Suppliers

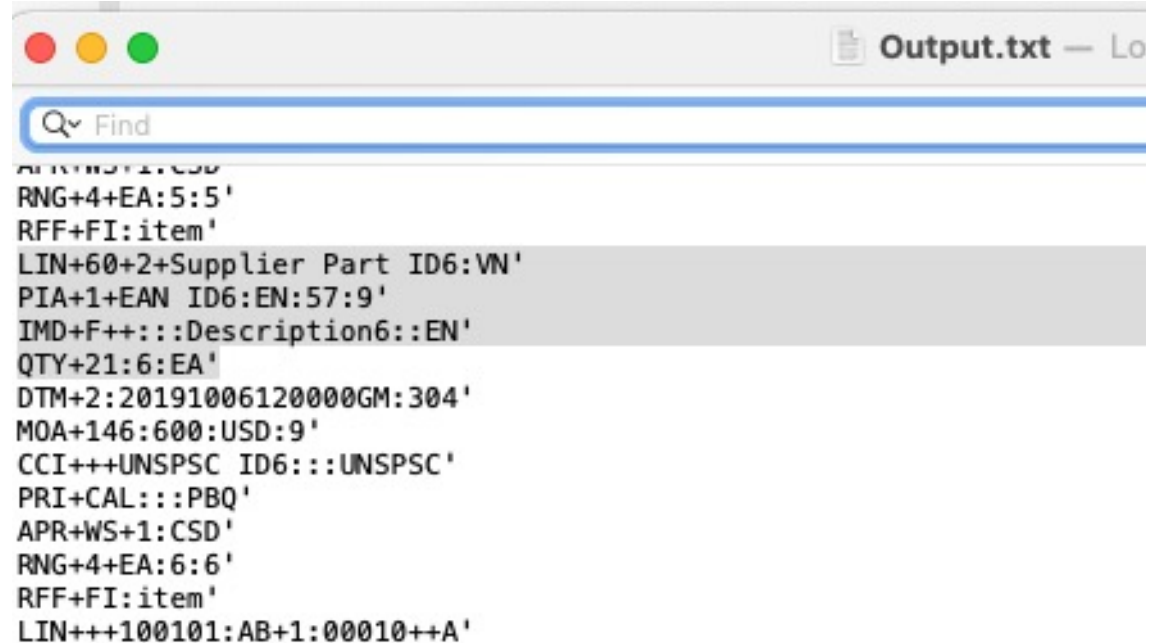
The deleted line items can be mapped to one of the following formats: ANSI X12 and UN/EDIFACT D 96.

## ANSI X12 format



```
Output-X12.txt
Find
PID*F***Return Description3***EN~
PID*S*MAC*UN*Return UNSPS***SPSC~
REF*FL**item~
REF*QJ*Return Auth ID3~
DTM*002*20191003*120000*GM~
V9*SE**yes~
V9*ACC*return item*yes~
POC*00040*RZ*400*400*EA*400**VP*Supplier Service ID*C3*Service Class ID~
CUR*BY*USD~
CTP*WS***4*EA*CSD*1~
PID*F*12***service~
PID*F***Service Description***EN~
PID*S*MAC*AS*Service Clas~
REF*FL**lean~
DTM*002*20191004*120000*GM~
V9*ACE*requiresServiceEntry*yes~
POC*00050*RZ*5*5*EA*500**VP*Supplier Part ID5*C3*UNSPSC ID5*EN*EAN ID5~
LIN**KF*delete~
CUR*BY*USD~
CTP*WS***5*EA*CSD*1~
PID*F*12***material~
PID*F***Description5***EN~
PID*S*MAC*UN*UNSPSC ID5***SPSC~
REF*FL**item~
DTM*002*20191005*120000*GM~
CTT*5*411~
AMT*TT*1000~
SE*290*0001~
GE*1*100025939~
IEA*1*100025939~
```

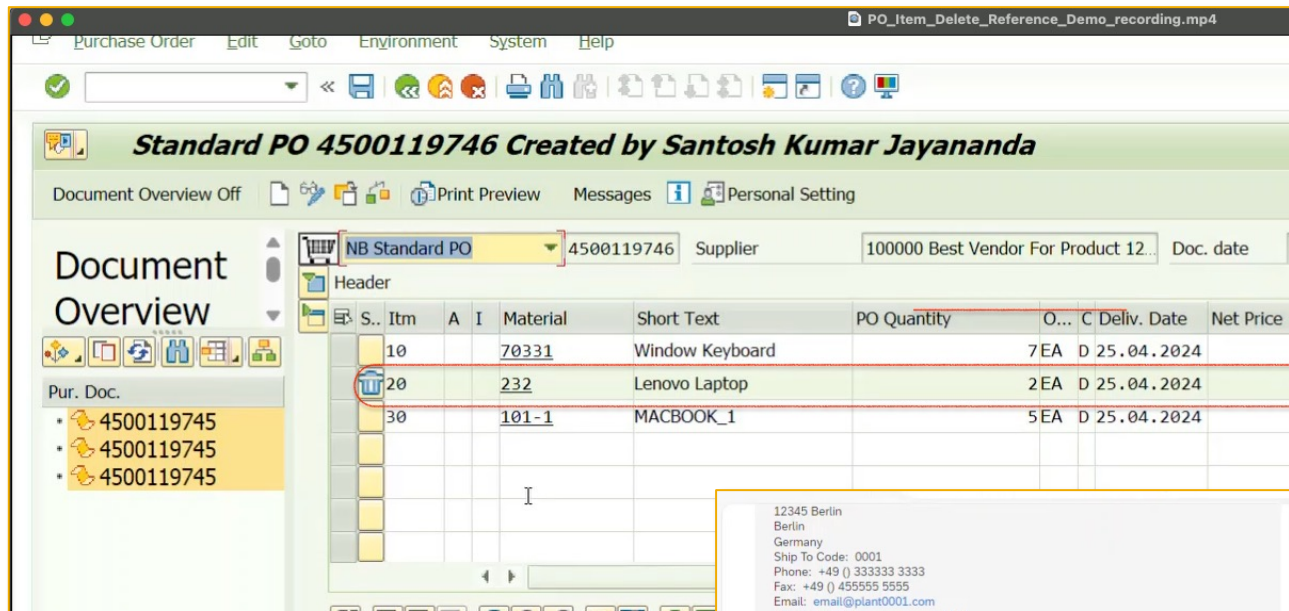
## UN/EDIFACT D 96 format



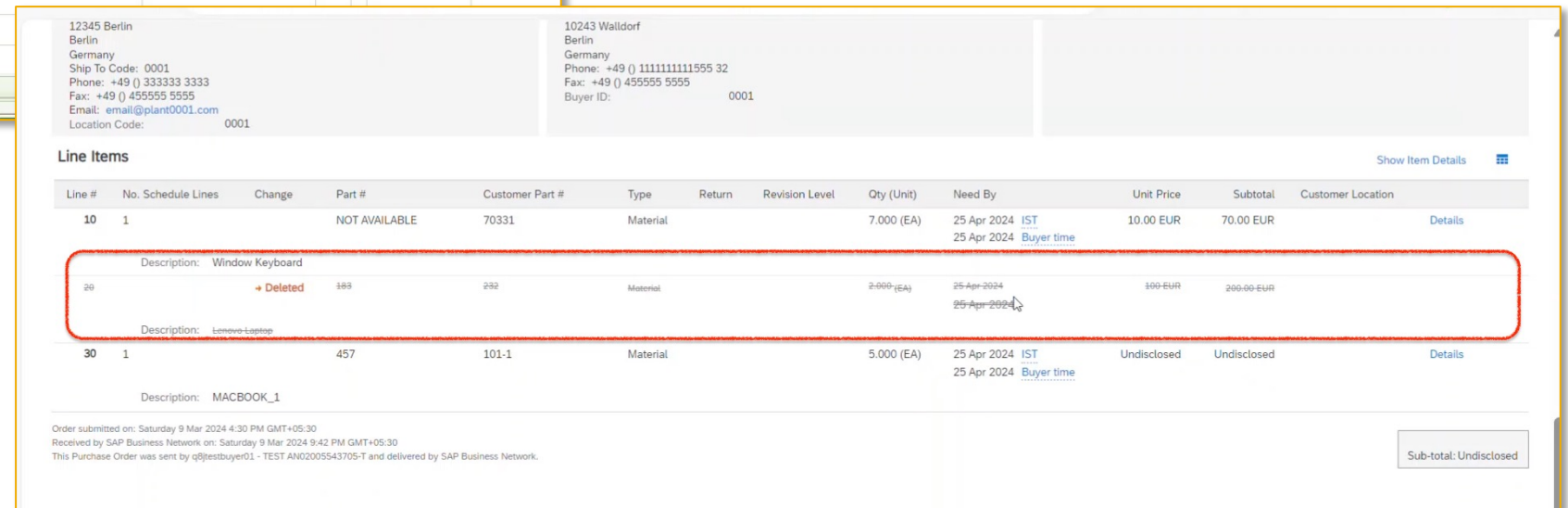
```
Output.txt
Find
RNG+4+EA:5:5'
RFF+FI:item'
LIN+60+2+Supplier Part ID6:VN'
PIA+1+EAN ID6:EN:57:9'
IMD+F++:::Description6:::EN'
QTY+21:6:EA'
DTM+2:20191006120000GM:304'
MOA+146:600:USD:9'
CCI+++UNSPSC ID6:::UNSPSC'
PRI+CAL:::PBQ'
APR+WS+1:CSD'
RNG+4+EA:6:6'
RFF+FI:item'
LIN+++100101:AB+1:00010++A'
```



# Feature Details – SAP Business Network – Supplier/Buyer Portal – Deleted Lines Visible for Portal Suppliers



If the buyer decides to delete a line that is already fully or partially shipped or serviced, SAP Business Network does not accept the deletion. Instead, it displays an error message saying that there is a ship notice or service sheet associated with the line item so the line item cannot be deleted.



# Thank you.

Ravish Shetty/ Karen Figueroa

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