

Support Close Purchase Order Line Items SBNI-1476

Target GA: May 2025

Feature Overview

Introducing: Support Close Purchase Order Line Items

Feature Description

When a PO line item is closed, the isDeliveryCompleted indicator is set to "Yes" in the cXML OrderRequest. Buyers can configure hard validation (error) to prevent suppliers from creating further documents or soft validation (warning) to allow continued processing. If hard validation is enabled, SAP Business Network will reject any document submissions, and the PO quantity is set to zero, even if not fully delivered.

Key Benefits

Ensures suppliers cannot create unintended documents against closed PO line items.

Buyers can configure hard (error) or soft (warning) validation based on their business needs.

Enhances Buyer-Supplier Communication – Provides clear Error/Warning messages, keeping both parties aligned on order status changes.

Audience:

Buyer & Supplier

Enablement Model:

Customer Configured

Applicable Solutions:

SAP ERP
SAP Business Network

Enablement Steps & Notes

- To use this feature, buyers must maintain the attribute via SM30 in table ARBCIG_MSG_ATTRS

Field	Value
Supplier	Select the Supplier
Company Code	Select the company code
Msg. Type	PO
Vndr Attr	CLMTYP
Vendor specific attribute values	Maintain one of the following values: E : For error or hard validation. W : For warning or soft validation.

Data Browser: Table ARBCIG_MSG_ATTRS Select Entries

Check Table...

MANDT	LIFNR	BUKRS	CXML_MSG_TYPE	ATTRIBUTE	ATTRIBUTE_VAL
002	0000100000	0001	PO	CLMTYP	E

cXML Changes

- This feature adds the following to the ItemOut element in an OrderRequest document:
 - Indicator element – This element is used to define indicators. It has the following two attributes:
 - Type – The indicator name.
 - Level – The indicator level. Can be set to warning or error.
- For example, buyers configure hard (error) or soft (warning) validation in their ERP using the isDeliveryCompleted indicator. In the following code sample, the isDeliveryCompleted indicator is set to hard validation:

```
<ItemOut>
  <ItemID>
    <SupplierPartID/>
    <BuyerPartID>HWWB348A40</BuyerPartID>
  </ItemID>
  <ItemDetail></ItemDetail>
  <Tax></Tax>
  <Contact role="BuyerPlannerCode"></Contact>
  <TermsOfDelivery></TermsOfDelivery>
  <Comments type="Material Purchase Order text" xml:lang="EN">0-RING 348 AS 568 FEPM-90</Comments>
  <Indicator type="isDeliveryCompleted" level="error"></Indicator>
</ItemOut>
```

User Story

As a Buyer,

I want to control whether suppliers can create documents against a **closed PO line item** by configuring **hard (error) or soft (warning) validation** in my ERP,

So that I can enforce procurement rules, maintain data accuracy, and prevent unintended supplier actions.

Feature Details

When a buyer closes a Purchase Order (PO) line item, the isDeliveryCompleted indicator is set to "Yes" in the cXML message. Buyers can configure validation rules in their ERP using this indicator:

- Hard Validation (Error):** Prevents suppliers from creating any further documents against the closed line item.
- Soft Validation (Warning):** Allows suppliers to continue creating documents against the closed line item.

If a buyer sends a change order to close a line item with hard validation (error) enabled, the open PO quantity becomes zero, even if the full quantity has not been delivered. In such cases, SAP Business Network will reject any further documents for that line item.

Previously, SAP Business Network did not restrict suppliers from submitting documents against closed line items. This feature now enforces the buyer's configured validation rules, ensuring better control over PO processing.

ItemOut IsDeliveryCompleted="yes" Quantity="2.000" UnitOfMeasure="EA" PriceUnit="USD" Price="94.00" NetNumber="20" GrossWeight="12.00:00+08:00"/>													
<ItemID> <SupplierPartID>1019</SupplierPartID> <BuyerPartID>2071</BuyerPartID> </ItemID> <ItemDetail> <UnitPrice> <Money currency="USD">94</Money> </UnitPrice> <Description xml:lang="en">test</Description> <UnitOfMeasure>EA</UnitOfMeasure> <PriceBasisQuantity conversionFactor="1" quantity="1"> <UnitOfMeasure>EA</UnitOfMeasure> </PriceBasisQuantity> <Classification domain="ERPCommodityCode">006</Classification> <Classification domain="ERPCommodityCodeDescription">Office Materials</Classification> <PlannedAcceptanceDays>0</PlannedAcceptanceDays> <Extrinsic name="ReceivingType"/> <Extrinsic name="extLineNumber">20</Extrinsic> </ItemDetail> <ShipTo> <Address addressID="0001" addressIDDomain="buyerLocationID" isoCountryCode="DE"> <Name xml:lang="EN">Werk 0001</Name> <PostalAddress> <Street>123-321 plantA 456-654</Street> <City>Berlin</City> <Municipality/> <State>Berlin</State> <PostalCode>12345</PostalCode> <Country isoCountryCode="DE"/> </PostalAddress> <Email name="default" preferredLang="en">email@plant0001.com</Email> <Phone> <TelephoneNumber> <CountryCode isoCountryCode="DE">49</CountryCode> <AreaOrCityCode/> <Number>333333</Number> <Extension>3333</Extension> </TelephoneNumber> <Fax> <TelephoneNumber> <CountryCode isoCountryCode="DE">49</CountryCode> <AreaOrCityCode/> <Number>455555</Number> <Extension>5555</Extension> </TelephoneNumber> </Fax> </Address> <IdReference domain="buyerLocationID" identifier="0001"/> <IdReference domain="storageLocationID" identifier="" /> </ShipTo> <Indicator level="error" type="isDeliveryCompleted"/>													
Other Information Company Code: 0001 Purchase Group: 001 Purchase Organization: 0001 View more »													
Transport Terms Information Delivery Terms: Transport Condition Transport Terms: CIF (Costs, insurance & freight) Transport Location: Testing													
Ship All Items To Werk 0001 123-321 plantA 456-654 12345 Berlin Berlin Germany Ship To Code: 0001 Phone: +49 () 333333 3333 Fax: +49 () 455555 5555 Email: email@plant0001.com Location Code: 0001	Bill To default 234-123456 10243 Walldorf Berlin Germany Phone: +49 () 1111111111555 32 Fax: +49 () 455555 5555 Buyer ID: 0001												
Delivery To													
Show Item Details													
Line Items													
Line #	No.	Schedule Lines	Change	Part #	Customer Part #	Type	Return	Revision Level	Qty (Unit)	Need By	Unit Price	Subtotal	Customer Location
10	1		Closed	1019	2071	Material			2.000 (EA)	30 Jan 2025 IST 30 Jan 2025 Buyer time	\$94.00 USD	\$188.00 USD	Details
Description: test The buyer has marked this as Completed													
20	1			343	389	Material			5.000 (EA)	28 Jan 2025 IST 28 Jan 2025 Buyer time	\$103.40 USD	\$517.00 USD	Details
Description: quality material 2													
												Sub-total: \$ 705.00 USD	

Dependencies

SBN Feature: <https://product-jira.ariba.com/browse/CSC-41391>

Test Landscape

- **SAP ERP System:**
 - Q8J (002) – Buyer
- **AN Credentials (Buyer)**
 - ANID : AN02005543705-T
- **AN Credentials (Supplier)**
 - ANID : AN02004712159-T
- **CIG : [QA Service CIG](#)**

Thank you.

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