SAP   **SAP Note 888599 -   Integrating POs in the SNC purchase order collaboration**

Note Language: English   **Version: 15 Validity:**   Valid Since 31.03.2010

Summary

Symptom

You are using the 'Purchase order collaboration' scenario with SAP ICH 5.0 or SAP SNC.

1. When you use the ORDERS05 IDoc for the purchase order integration, the following symptoms occur:

    a) If, in SAP R/3 or SAP ERP, you change an item of a purchase order with several items, only the changed purchase order item still exists in SAP Inventory Collaboration Hub (ICH) or SAP Supply Network Collaboration (SNC). All other items are deleted.

    b) A supplier of the 'OA' (Ordering Address) role is assigned to the SAP ERP or SAP R/3 purchase order: The system does not transfer this partner to SAP ICH or SAP SNC. Therefore, the partner does not appear on the 'Seller' tab page of the SAP ICH or SAP SNC purchase order.

    c) In a purchase order item in SAP R/3 or SAP ERP, a customer number or a supplier number is entered as a (deviating) goods recipient in the 'Ship-to address' tab page in SAP ICH. In this case, the purchase order item is not of the 'third-party' type. The system does not transfer the customer number or the supplier number to SAP ICH or SAP SNC. Therefore, the goods recipient is not displayed on the corresponding tab page of the purchase order in SAP ICH or SAP SNC.

    d) If the deletion indicator is set in the purchase order item of a purchase order that has only one item in SAP R/3 or SAP ERP, no IDoc is transferred to SAP ICH or SAP SNC.

    e) The revision level is not transferred to SAP SNC Release 7.01 or higher.

2. When you use the PORDCR102 IDoc (as of SAP ERP 2005) for the purchase order integration, the following symptoms occur:

    a) Message processing in SAP ICH or SAP SNC inbound terminates with an error during the conversion of the delivery date.

    b) The partner with the Ordering Address (OA) role exists in the IDoc PORDCR102. On the SAP NetWeaver Exchange Infrastructure, this partner is not mapped to the 'Seller' partner of the Replenishment Order Notification XML.

    c) The confirmation control key that exists in the IDoc is not reflected in the purchase order in SAP ICH or SAP SNC.

Other terms

Inventory Collaboration Hub, SMI, Supplier Managed Inventory, ORDERS, ORDCHG, PORDCR1, subcontracting, contract production, confirmation control

Reason and Prerequisites

1a and 1d)
The SAP ICH or SAP SNC integration is based on a 'complete transfer'. When you change a purchase order, the SAP R/3 system or the SAP ERP system transfers only the change (for example, only the changed item).

1b and 1c)
The partner of the 'OA' role and the deviating goods recipient are not transferred in the standard ORDERS05 IDoc.

1e)
The revision level is not sent in the standard IDocs ORDERS05 and ORDINT01.

2a)
The delivery date transferred in the PORDCR102 IDoc does not correspond to the external standard.

2b)
The partner role is filled language-dependently in the PORDCR102 IDoc.

2c)
The confirmation control key of the SAP ERP system must be converted to the requirement codes that exist in the replenishment order notification.

Solution

Note that you must implement solution 1a) for the integration with the ORDERS05 IDoc and solution 2a) for the integration with the PORDCR102 IDoc.

Implement the following enhancements in the SAP R/3 system or in the SAP ERP system.

1)
Create or extend the ZXM06U02 include of the EXIT_SAPLEINM_002 function module. In the source code (see below), you must ensure that only purchase orders that are relevant for SAP ICH or SAP SNC run the source code. In the example code, the message type (DOBJECT-KSCHL) ensures that this is the case. In this case, we recommend creating a separate message type (the example code proposes the message type ZICH). Alternatively you can use the document type (EKKO-BSART). Assign the MM06E001 enhancement to an enhancement project (transaction CMOD) and activate the enhancement.

1a) and 1d)
Copy the example code contained in the 'Complete_Transmission.txt' attachment to the ZXM06U02 include. Save and activate the include.

1b)
Copy the example code contained in the 'Deviating_GoodsRecipient.txt' attachment to the ZXM06U02 include. Save and activate the include.

1c)
Copy the example code contained in the 'OrderingAddress.txt' attachment to the ZXM06U02 include. Save and activate the include.

1e)
Copy the sample code contained in the attachment 'Revisionlevel.txt' to the include ZXM06U02. Save and activate the include.

The sample code is valid for the IDocs ORDERS05 and ORDINT01.

2a+b)
Call transaction SE19 and create an implementation of the ES_BADI_ME_BAPI enhancement spot for the ME_BAPI_PO_CUST BAdI definition.
Copy the example code contained in the 'BAPI_Outbound.txt' attachment to the IF_EX_ME_BAPI_PO_CREATE_02~OUTBOUND method. Save and activate the method.
Copy the example code contained in the 'BAPI_Inbound.txt' attachment to the IF_EX_ME_BAPI_PO_CREATE_02~INBOUND method. Save and activate the method.
Activate the BAdI implementation.

2c)
In addition to 2a), copy the example code contained in the 'BAPI_Confirmation_Control.txt' attachment to the IF_EX_ME_BAPI_PO_CREATE_02~OUTBOUND method. Save and activate the method.

Header Data

Release Status: Released for Customer
Released on: 18.06.2013   12:43:56
Master Language: German
Priority: Recommendations/additional info
Category: Workaround for missing functionality
Primary Component: SCM-ICH-PO Purchase Order and Replenishment Order

Valid Releases

Software Component	Release	From Release	To Release	and Subsequent
SCMSNC	510	510	510	X
SCM	500	500	500	

Related Notes

Number	Short Text
1241745	Integrating POs carrying MPN in SNC Purchase Order Process
1180861	SAP SNC 7.0 ERP integration
1072534	SAP SNC 2007 (5.1) ERP Integration
953801	ELIKZ Integration in SAP ICH (purchase order collaboration)

Attachments

File Type	File Name	Language	Size
TXT	Revisionlevel.txt	E	1 KB
TXT	Complete_Transmission.txt	E	1 KB
TXT	Deviating_GoodsRecipient.txt	E	2 KB
TXT	OrderingAddress.txt	E	1 KB
TXT	BAPI_Inbound.txt	E	1 KB
TXT	BAPI_Confirmation_Control.txt	E	2 KB
TXT	BAPI_Outbound.txt	E	1 KB