

Note Language: English**Version:** 2 **Validity:** Valid Since 04.07.2011**Summary****Symptom**

This notes gives an overview on the availability of integration scenarios between SAP ERP and SNC as part of SAP SCM 7.0.

Other terms

Supply Network Collaboration, ICH_R3 package.

Reason and Prerequisites

Related notes:

Purchase order integration: 888599, 953801, 865778.

SNC 7.0 implementation recommendations: 1281192.

Solution

Purchase Order / Replenishment Order: Purchase orders as well as Replenishment Orders are integrated via ORDERS.ORDER5, ORDCHG.ORDER5 and ORDRSP.ORDER5 IDocs on ERP side. This works for all ERP releases from R/3 4.6C, but there are some limitations in ERP as to which data can be transferred and how to trigger the IDoc outbound.

Contract Manufacturing Procurement (subcontracting purchase orders): this requires IDocs based on the PO BAPI PORDCR1.PORDCR102 and PORDCH.PORDCH02 for handling subcontracting components and is generally available only with SAP ERP 6.0. Contact SCM solution management for releases before SAP ERP 6.0.

PO Collaboration with Approval Process:

If the PO request is overwritten by the confirmation at the end of the approval process and the PO change has to be transferred to SAP ERP, IDocs based on the PO BAPI PORDCR1.PORDCR102 and PORDCH.PORDCH02 have to be used. These IDocs are generally available only with SAP ERP 6.0. Contact SCM solution management for releases before SAP ERP 6.0.

Purchase Order / Contract Manufacturing Procurement: As of SAP ERP 6.04 we also offer the integration with PurchaseOrderERPReplenishmentOrderCollaborationNotification XML message.

ASN: ASNs are integrated via DESADV.DELVRY03 IDocs on ERP side. This works for all ERP releases from R/3 4.6C.

ASN proof of delivery notification: Generally available as an IDoc in ERP from R/3 4.6C, but there are limitations on when ERP can send a STPPOD.DELVRY03 IDoc. Alternatively the RSMIPROACT report can send PROACT.PROACT01 or STPPOD.DELVRY03 IDocs to close ASNs individually, but partial goods receipt of an ASN is not supported with PROACT01 IDocs. Furthermore sending overlapping goods receipt information is not supported by this report.

Scheduling Agreement Release: ERP integration for scheduling agreement releases is available from R/3 4.6C onwards. Integration with APO has been

released for SCM 5.0 onwards.

Work Order: Integration with ERP is via purchase orders like in the basic purchase order process or the contract manufacturing procurement scenario depending on whether you want to transmit components, and has the same availability and restrictions.

SMI and Dynamic Replenishment: On ERP side, the SMI SNC integration report RSMIPROACT is available from R/3 4.6C onwards with Plugin 2004.1 SP11 or higher (we recommend to install the highest available SP) and later within SAP ERP 6.0. This report sends PROACT.PROACT01 or STPPOD.DELVRY03 IDocs. From SAP ERP 6.02 on, we also offer the integration with ProductActivityNotification XML messages with report RSMIPROACT2.

SNI: From SAP ERP 6.02 there are three integration reports for customer (OEM), supplier (contract manufacturer) and 3rd party data; ROEMPROACT2, RCMPROACT2, and RPRTPROACT. These reports send ProductActivityNotification XML messages. For further information on when to use which report, please see the application help for SNC5.1. Limited integration capabilities for the OEM system is available from R/3 4.6C in Plugin 2004.1 SP11 or higher (we recommend to install the highest available SP) and in SAP ERP 6.0 with reports ROEMPROACT and RCMPROACT, which send PROACT.PROACT01 IDocs. SAP does not recommend to use reports ROEMPROACT and RCMPROACT where reports ROEMPROACT2 and RCMPROACT2 are available.

Kanban: The Kanban master data integration report is generally available from R/3 4.6C with Plugin 2004.1 SP11 or higher (we recommend to install the highest available SP) and with SAP ERP 6.0. It has been enhanced for the one-time Kanban process with SAP ERP 6.02.

Invoice: Invoices are integrated via INVOIC.INVOIC01 IDocs on ERP side. Self-billing invoices are integrated via GSVERF.GSVERF03. Payment advices are integrated via REMADV.PEXR2002. This works for all ERP releases from SAP ECC 5.0, but there are some limitations in ERP as to which data can be transferred.

Spare Parts Management scenario (PO, ASN, Scheduling Agreement Releases, Returns Instruction and Returns ASN): the special integration scenarios for SPM are generally available only with SAP ERP 6.0 and APO in SCM 5.0 and for the following releases. In particular the ASN external validation scenario only works if special settings in ERP.

Header Data

Release Status:	Released for Customer
Released on:	04.07.2011 14:40:22
Master Language:	English
Priority:	Recommendations/additional info
Category:	Consulting
Primary Component:	SCM-ICH-WO Work Order
Secondary Components:	SCM-ICH-PO Purchase Order and Replenishment

Order

Valid Releases

Software Component	Release	From Release	To Release	and Subsequent
SCMSNC	700	700	700	

Related Notes

Number	Short Text
1281192	Implementation recommendations for SNC 7.0
953801	ELIKZ Integration in SAP ICH (purchase order collaboration)
888599	Integrating POs in the SNC purchase order collaboration
865778	Create an ORDCHG IDoc on goods receipt for the PO in MIGO