

Applies to:

SAP SNC 5.1. For more information, visit the [Supply Chain Management homepage](#).

Summary

This document gives the overview of SAP Supply network collaboration and its basic scenarios and brief discussion about the Purchase order Collaboration and Order Forecast monitor scenarios with process flow diagrams.

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Author Bio



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He has worked on various projects like implementation of SAP-ICH, SAP-SNC and Support, enhancement projects in SAP-MM. He is presently working with Intelligroup Asia Pvt.Ltd.

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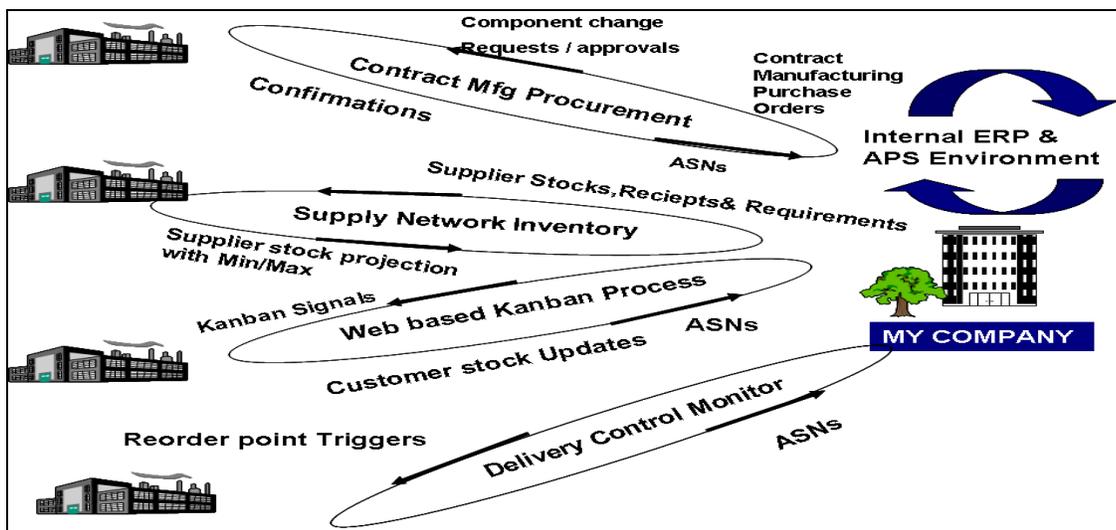
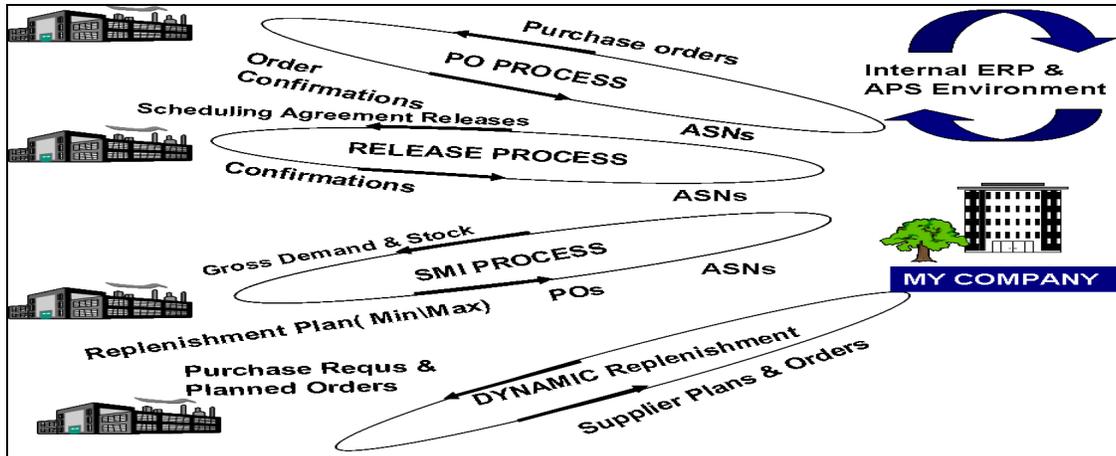
Supply Network Collaboration (SNC 5.1)

SAP Supply Network Collaboration (SNC) is a component of SAP Supply Chain Management (SAP SCM). It was formerly known as SAP Inventory Collaboration Hub (SAP SNC). Because enhancements broadened the collaboration environment, the product was renamed to reflect its extended capabilities for collaboration with suppliers (extending beyond inventory collaboration).

The supplier does not require a specialized electronic data interchange (EDI) infrastructure to integrate the supply network, whSNC makes this solution usable by companies of all sizes. All that is required on the supplier side is Internet access and a web browser.

It serves as a joint-use platform for all business partners involved in the inventory collaboration process.

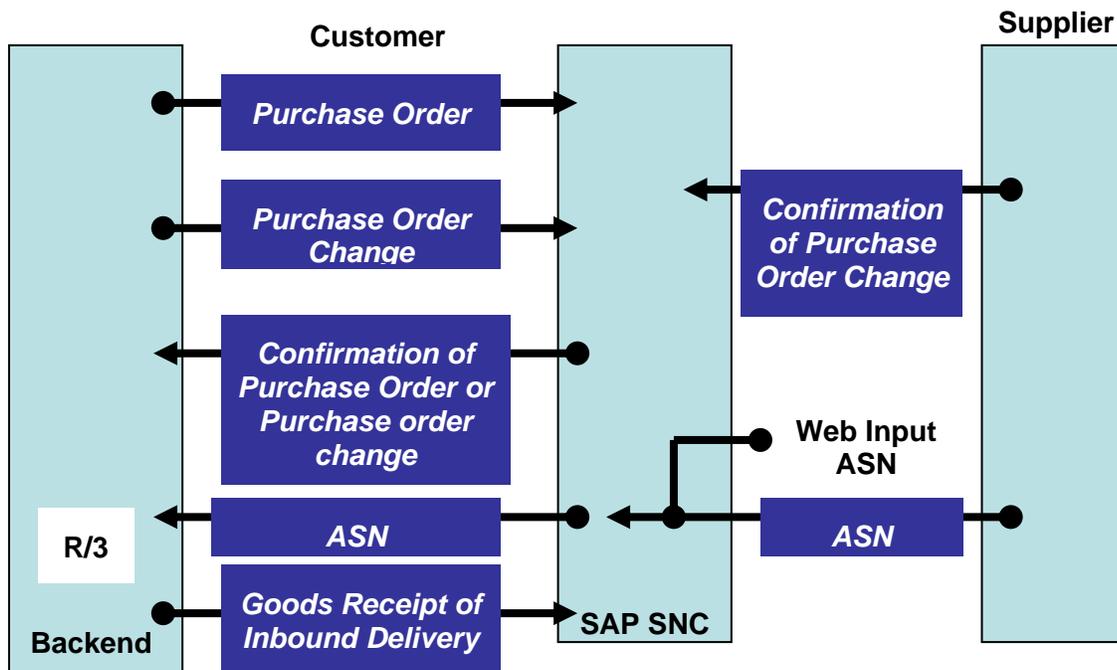
SNC Scenarios:



Purchase Order Processing Collaboration

Purchase Order Process is a Supplier Collaboration business process offered as part of SNC. Purchase Order Process allows for the customer to send out Purchase Orders to the supplier using the web-based application SAP SNC. The Purchase Orders are typically generated as part of the customer's MRP run, or are manually created by the customer.

Business Data Flow: Purchase Order Processing



In the *Purchase Order Processing* process,

1. The customer sends purchase orders or purchase order updates to SAP SNC.

Purchase order in Backend system(R/3 system)

The screenshot displays the SAP Standard PO 4500017431. The header information includes Vendor SC_POC_000 ICH PO Master Venc and Doc. date 07/08/2008. The item details table is as follows:

S	Itm	A	Material	Short Text	PO Quantity	O	Deliv. Date	Net Price	Curr.	Per	O	Matl Group	Plnt	Stk
	10		ICH-POC-1000	Frame Chrome Plated	200	EA	07/10/2008	200.00	USD	1	EA	00101	3000	00

The item is [10] ICH-POC-1000, Frame Chrome Plated. The delivery schedule table is currently empty.

Purchase order in SNC web UI.

Selection

Show

PO No.

Header Data | **Items** | **Supplier** | **Customer** | **Cash Discount Terms** | **Header Delivery Terms** | **Contact Person**

PO No. | Hdr Status
 Supplier | Customer

PO Itm. No.	SO. No.	Category	Item Status...	Customer ...	Product	Delivery Date	Delivery Time
10			Open	3000	ICH-POC-1000	10.07.2008	07:00:00

Row 1 of 1 | Column 10 of 31

Item Data | **Schedule Lines** | **Ship-From Location** | **Customer Location** | **Product** | **Ship-To Location** | **Goods Recipient**

PO Itm. No. | Product
 Ship-From Location | Customer Location

2. The supplier confirms the purchase order in SNC Web UI

PO Itm. No.	SO. No.	Category	Item Status...	Customer ...	Product	Delivery Date	Delivery Time	Delivery ...	Shipping Date
10			Open	3000	ICH-POC-1000	10.07.2008	07:00:00	CST	10.07.2008

Row 1 of 1 | Column 10 of 31

Item Data | **Schedule Lines** | **Ship-From Location** | **Customer Location** | **Product** | **Ship-To Location** | **Goods Recipient**

PO Itm. No. | Product
 Ship-From Location | Customer Location

SL No.	SL Type Desc.	Shipping Date	Shipping Time	Ship. Tim...	Delivery Date	Delivery Time	Delivery T...	Qty	Qty UoM
1	Request	10.07.2008	07:00:00	CST	10.07.2008	07:00:00	CST	200	EA
	Confirmed	10.07.2008	07:00:00	CST	10.07.2008	07:00:00	CST	200	EA

Row 2 of 2 | Column 10 of 23

Schedule Line Data

SL No. | Ext. Schedule Line No.
 SL Type Desc. | SL Status Desc.
 Delivery Date | Delivery Time
 Delivery Time Zone | Shipping Time
 Shipping Date
 Ship. Time Zone

- The supplier sends an advanced shipping notification to inform the customer of any upcoming goods receipts.

Log off SAP

history Personalize

(ICH - DELIVERY_PUBLISH - ITEM) was successful 4 Messages raised altogether ... see Message History

Save/Publish Save/Draft Reset Check Print Download

ASN Header Status Shipping Details Ship-From Location Details Customer Location Details Ship-To Location Details Unloading Point

ASN No. Customer Location 3000
 Delivery Date (ETA) 10.07.2008 07:00:00 CST My Cust. Loc. No.
 Shipping Date 10.07.2008 07:00:00 CST Ship-From Location SC_POC_000
 Document Date 08.07.2008 16:40:35 CET My Ship-From Location
 Bill-To Party Number of HUs 00000
 Notes available

ASN Items

Item	Product	Product Description	ASN	Supl...	UoM	Purch. Doc. No.	PD Item	Purch. Doc. Type	Orig...
1	ICH-POC-1000	Frame Chrome Plated	200	0	EA	4500017431	10	Purchase Order	

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Note: If the supplier's system environment is able to create a shipping notification, the supplier can send it to SAP SNC. The shipping notification is then published in SAP SNC

- The shipping notification is forwarded to the customer's back-end system using the supplier's EDI subsystem or a SAP NetWeaver system.
- When the customer posts the goods receipt, the customer's ERP system sends the Proof of delivery to SAP SNC.

Purchase Order Edit Goto Environment System Help

Standard PO 4500017431 Created by ECC ECCgen

Document Overview On Print Preview Messages Personal Setting

Standard PO 4500017431 Vendor SC_POC_000 ICH PO Master Venc Doc. date 07/08/2008

S	Item	A	I	Material	Short Text	PO Quantity	O	C	Deliv. Date	Net Price	Curr	Per	O	Matl Group	Plant	Stk
	10			ICH-POC-1000	Frame Chrome Plated	200	EA	D	07/10/2008	200.00	USD	1	EA	00101	3000	00

Item 10 | ICH-POC-1000, Frame Chrome Plated

Quantities/Weights Delivery Schedule Delivery Invoice Conditions Texts Delivery Address Confirmations Condition Control

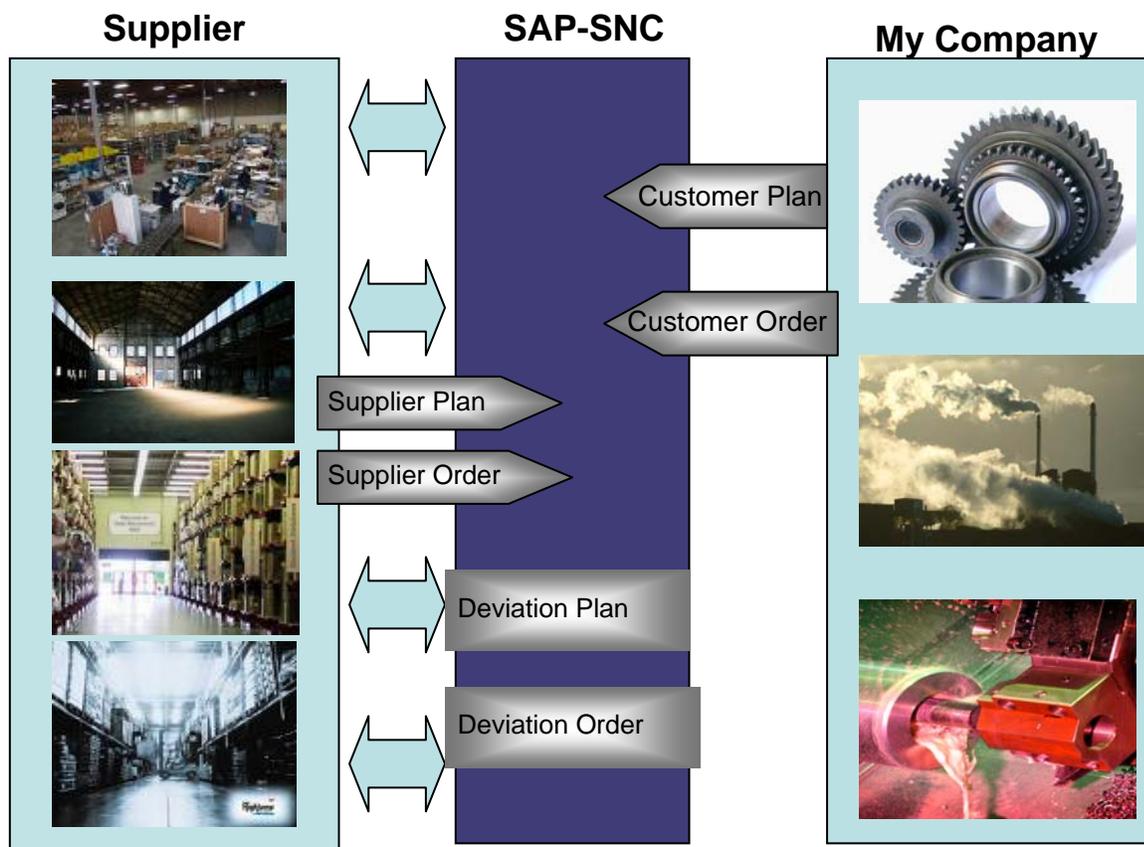
CC	Delivery Da	Time	Quantity	Reference	Created on	Inb. Deliv.	Item	HL It	Batch	Quantity Red	M	MPN Material	C	Se
	08/10/2008	07:00:00	200		07/08/2008	0				200			0	1
	07/10/2008	07:00:00	200	ICN000000000	07/08/2008	100000403	1			0			0	2

Order Forecast Monitoring

Order forecast Monitor (OFM) is a function on the Web UI of SAP Supply Network Collaboration (SAP SNC) that displays and compares the customer's firm or planned net demands and the supplier's firm or planned receipts.

The Demand Monitor calculates the absolute and the percentage deviations between the customer and supplier data, and, depending on the deviations, highlights periods in color. Both the customer and the supplier have the same view of the planning situation and gain a quick overview of critical situations

The customer uses electronic messages to transfer his or her data from his or her backend system to *SAP SNC*. The supplier can also transfer data electronically from his or her backend system to *SAP SNC*. Alternatively, the supplier can manually create planned receipts in the Demand Monitor



Key Figures in Order Forecast Monitor

Customer planned demands: This key figure contains the following demands

1. Customer's net demands; for example, from the customer's net demand planning
2. Dependent demands from the customer's orders that are still at the planning stage; for example, planned orders, purchase requisitions, and scheduling agreement release schedule lines in the second firm/trade-off zone

Customer firm demands: This key figure can contain the following demands standard, open demands from orders in the customer system that the customer regards as firm. These include scheduling agreement release schedule lines in the first firm/trade-off zone and purchase orders.

Supplier planned receipts: This key figure contains receipts that the supplier has forecast in his or her backend system for the customer and transferred to SAP SNC.

Alternatively, the supplier can manually enter planned receipts in the Demand Monitor or in the SMI Monitor of SAP SNC

Supplier firm receipts: As standard, this key figure contains confirmation schedule lines that the supplier has created manually in SAP SNC or sent from his or her backend system to SAP SNC.

Percentage plan deviation:

$100 * (\text{supplier planned receipts} - \text{customer planned Demands}) / \text{customer planned demands}$

Absolute plan deviation: supplier planned receipts – customer planned demands

Percentage order deviation:

$100 * (\text{supplier firm receipts} - \text{customer firm demands}) / \text{customer firm demands}$

Absolute order deviation: supplier firm receipts – customer firm demands

Order Forecast Monitor in SAP SNC Web UI

Key figure	Initial	10.07.2008	11.07.2008	12.07.2008	13.07.2008	14.07.2008	15.07.2008	16.07.2008	17.07.2008	18.07.2008
Customer planned requirements	10									
Customer firm requirements	650	200	25				5	640	200	
Supplier planned receipts										
Supplier firm receipts	411	200					5	100		
Percentage Deviation on Plan	-100									
Absolute Deviation on Plan	-10									
Percentage Deviation on Order	-37		-100					-84	-100	
Absolute Deviation on Order	-239		-25					-540	-200	

Row 8 of 8 | Column 15 of 27

Color Legend: ■ Within tolerance, ■ Below tolerance, ■ Under threshold

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Related Content

SAP links:

- [SNC Business Processes](#)
- [SNC Help](#)

For more information, visit the [Supply Chain Management homepage](#).

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