



SAP Ariba 

Feature at a Glance

Replenishment orders for supplier-managed inventory

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CONFIDENTIAL

 **Run Simple**

Feature at a Glance

Ease of implementation  High touch
Geographic relevance  Global

Introducing: Replenishment orders for supplier-managed inventory

Customer challenge

1. Currently SMI scenario is available for customers with scenario to create scheduling agreement lines for planned shipments
2. Most of the time Suppliers MRP system plans for fulfillment by automatically creating a Sales Order.
3. In some industries Buyers do not favor scheduling agreement and would instead prefer discrete order to manage replenishment cycle

Meet that challenge with **SAP Ariba**

1. With replenishment orders for supplier-managed inventory, suppliers can create and publish replenishment orders through Ariba Network without scheduling agreements.
2. The supplier material requirements planning (MRP) system can instead plan fulfillment and create replenishment orders in Ariba Network.
3. Automatic creation of PO based on replenishment order in buyer ERP system

Experience key benefits

1. A new Key figure to capture the Replenishment Order and Calculate the projected stock.
2. New UI(Sales Order) to view Replenishment Order
3. Processing of B2B message for Replenishment Orders
4. Linking of Replenishment Order to Purchase Order and updating the Status.
5. Items to Ship update to capture Replenishment PO's.

Solution area

SAP Ariba Supply Chain Collaboration

Implementation information

This feature is “on” by default for customers of **SAP Ariba SCC and Inventory Buyers**. Require configuration.

Prerequisites and Limitations

1. This feature requires that the buyer system has been entitled for SAP Ariba Supply Chain Collaboration and for the inventory collaboration component, and that a buyer administrator has enabled the supplier for SAP Ariba Supply Chain Collaboration.
2. The transaction rule Allow sales orders must be enabled.

Feature at a Glance

Introducing: Replenishment orders for supplier-managed inventory

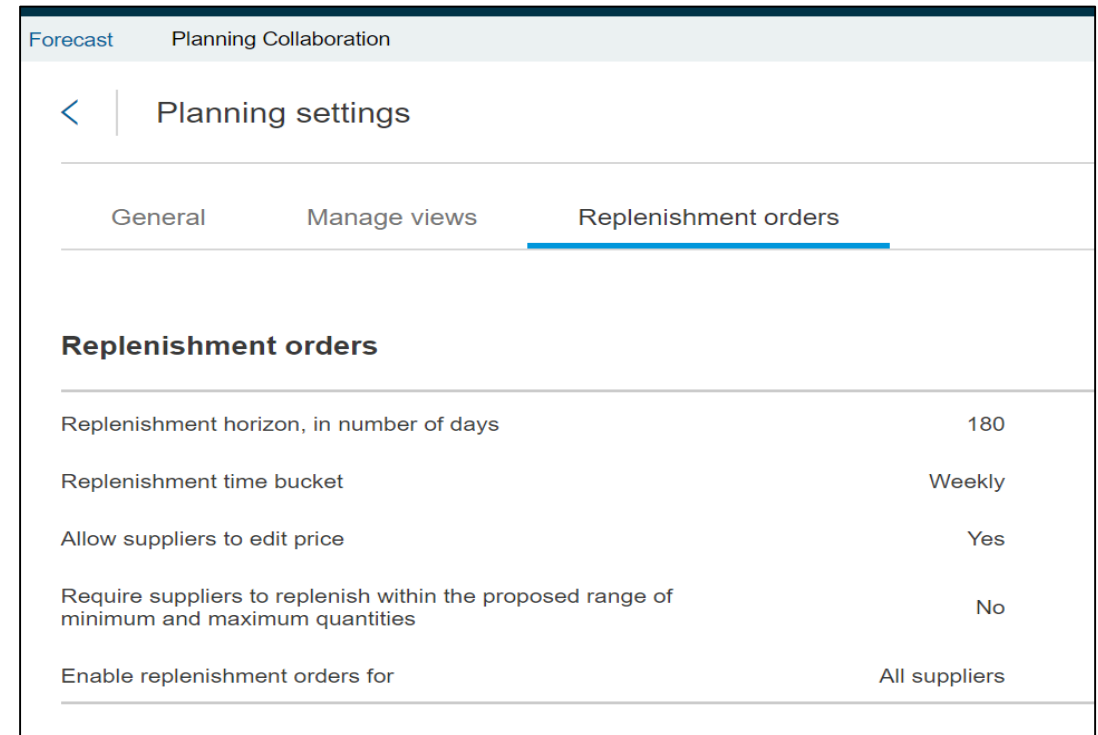
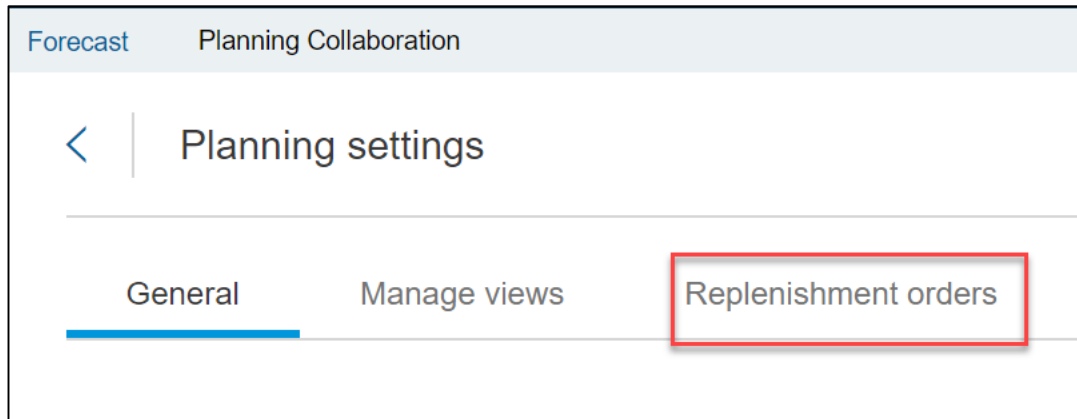
Changes to existing functionality made by replenishment orders for supplier-managed inventory

➤ Buyer user interface changes

The key figures Planned replenishment and Published replenishment appear on the Supplier page for SMI for buyers.

A Replenishment orders tab appears on the Planning Collaboration settings page. Replenishment orders settings are:

- Replenishment horizon, in number of days
- Replenishment time bucket (Daily or Weekly)
- Allow suppliers to edit price
- Enable replenishment orders for : All suppliers or Selected suppliers



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Changes to existing functionality made by replenishment orders for supplier-managed inventory

➤ Supplier user interface changes

- The Sales Orders tab captures replenishment orders and has a filter for replenishment orders.
- A Create replenishment order button appears on the Supplier managed replenishment details after saving edits to the Planned replenishment row.
- A Replenishment process type appears in the Process type column for replenishment orders on the Planning Collaboration page.
- The key figures Planned replenishment and Published replenishment appear on the Supplier managed replenishment details page for supplier-managed inventory with the Replenishment process type. The Planned replenishment values are editable from the details page.

Planning Collaboration

▶ Search filters

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Customer	Customer part no.	Supplier part no.	Customer location	Lead time	Part status	Last customer update ↑	Last supplier update	Min. stock	Max. stock	Unit	Projected Stock - 10 weeks	Process type	
TechDronix	CSC_MAT_001	CSC_MAT_001_EX	0001 (Werk 0001)	10	active	9 May 2018 6:33:33 AM	26 Apr 2018 11:46:59 AM				■■■■■■■■	Forecast	Details
TechDronix	DICE-DP-0500		0001 (Werk 0001)	7	active	7 May 2018 10:13:43 PM	30 Apr 2018 9:40:12 AM	700	1000	EA	■■■■■■■■	Replenishment	Details
TechDronix	DICE-DP-0900		0001 (Werk 0001)	0	active	7 May 2018 10:13:43 PM		350	400	EA	■■■■■■■■	Replenishment	Details
TechDronix	II-14415	II-14419	0001 (Werk 0001)	21	active	7 May 2018 4:58:35 PM		0	0	ST	■■■■■■■■	Forecast	Details
TechDronix	DICE-DP-0500		0001 (Werk 0001)	7	active	7 May 2018 4:55:12 PM	30 Apr 2018 9:40:12 AM	100	160		■■■■■■■■	Forecast	Details
TechDronix	DICE-DP-0800		0001 (Werk 0001)	21	active	7 May 2018 11:00:49 AM	7 May 2018 2:58:47 PM	450	1000	EA	■■■■■■■■	Replenishment	Details
TechDronix	DICE-DP-0600		0001 (Werk 0001)	0	active	2 May 2018 9:56:53 AM	4 May 2018 1:21:04 PM	200	300	EA	■■■■■■■■	Forecast	Details
TechDronix	II-14415	II-14419	0001 (Werk 0001)	21	active	24 Apr 2018 1:06:17 AM		0	0	ST	■■■■■■■■	Replenishment	Details
TechDronix	II-14415	II-14419		21	active	22 Apr 2018 10:43:48 PM	18 Apr 2018 10:05:20 AM			PCE	■■■■■■■■	Supplier managed inventory	Details
TechDronix	ERP4-14415	ERP4-14419		21	active	22 Apr 2018 10:43:48 PM				PCE	■■■■■■■■	Supplier managed inventory	Details

Feature at a Glance

Introducing: Replenishment orders for supplier-managed inventory

Supplier View for SMI details

Supplier managed replenishment details

TechDronix | Part no. DICE-DP-0500 | Customer Location Werk 0001

View by: Weekly | Starting from: 05/07/2018 | Starting from: 7 May 2018

▶ Chart

Stock on hand: 641 (EA) | [Part details](#) | [Create replenishment order](#)

Key figures	7 May 2018 Week 19	14 May 2018 Week 20	21 May 2018 Week 21	28 May 2018 Week 22	4 Jun 2018 Week 23	11 Jun 2018 Week 24	18 Jun 2018 Week 25	25 Jun 2018 Week 26	2 Jul 2018 Week 27	9 Jul 2018 Week 28	16 Jul 2018 Week 29	23 Jul 2018 Week 30
Gross demand	300			130					100			
Net requirement												
Previous planned replenishment												
Planned replenishment	300											
Published replenishment												
In transit	0	0	0	0	0	0	0	0	0	0	0	0
Planned projected stock (RO)	641	641	641	511	511	511	511	511	411	411	411	411
Published projected stock (RO)	341	341	341	211	211	211	211	211	111	111	111	111
Minimum proposal	59	59	59	189	189	189	189	189	289	289	289	289
Maximum proposal	359	359	359	489	489	489	489	489	589	589	589	589
ASN received												
Days' supply (RO)	12	11	10	9	8	7	6	5	4	3	2	1

Feature at a Glance

Introducing: Replenishment orders for supplier-managed inventory

How to manage replenishment orders settings

Prerequisites

If you will change the Replenishment time bucket setting, prepare all affected suppliers for the change:

- Tell all suppliers when you plan to make this change.
- Tell suppliers to publish all their planned replenishments for existing time buckets, to avoid data loss.
- Make sure all suppliers have completed publishing their planned replenishments before you change the setting.

Procedure

- Click Planning → Planning Collaboration.
- Click the settings icon.
- Click Replenishment orders.
- Click the edit icon.
- Make the desired setting changes and click Save.
- Click Manage views.
- Click Edit for Supplier managed replenishment view, make any desired view changes, and click Save.
- If you changed the Replenishment time bucket setting, tell all affected suppliers which view to now use, Daily or Weekly.

Suppliers will no longer have access to the other view.

Feature at a Glance

Introducing: Replenishment orders for supplier-managed inventory

How to create a replenishment order for Suppliers

1. Click Planning → Planning Collaboration .
2. Click Details for the desired item, which has the Replenishment process type.

The Supplier managed replenishment details page is displayed.

3. Click Edit.

If the Edit button is not visible, change the View setting. Editing is restricted by the buyer to either the Daily or Weekly view.

4. Click cells in the Planned replenishment row to enter values, then click Save.

The Create replenishment order button is displayed.

5. Click Create replenishment order.

6. Enter a name in the Replenishment order field, make any other desired changes, and click Create order.

The Supplier managed replenishment details page is displayed.

7. Click Refresh data to update the replenishment data with the replenishment order values.

8. Click Outbox / Sales Orders and click the replenishment order name to confirm that it is sent to the buyer.

Feature at a Glance

Introducing: Replenishment orders for supplier-managed inventory

Supplier process flow:

< | Supplier managed replenishment details

TechDronix | Part no. DICE-DP-0500 | Customer Location Werk 0001

View by Weekly Starting from 05/07/2018

Starting from 7 May 2018 < >

▶ Chart

Stock on hand: 641 (EA) | [Part details](#)

[Create replenishment order](#)

Key figures	7 May 2018 Week 19	14 May 2018 Week 20	21 May 2018 Week 21	28 May 2018 Week 22	4 Jun 2018 Week 23	11 Jun 2018 Week 24	18 Jun 2018 Week 25	25 Jun 2018 Week 26	2 Jul 2018 Week 27	9 Jul 2018 Week 28	16 Jul 2018 Week 29	23 Jul 2018 Week 30
Gross demand	300			130					100			
Net requirement												
Previous planned replenishment												
Planned replenishment	300	200	300									
Published replenishment												
In transit	0	0	0	0	0	0	0	0	0	0	0	0
Planned projected stock (RO)	641	841	1141	1011	1011	1011	1011	1011	911	911	911	911
Published projected stock (RO)	341	341	341	211	211	211	211	211	111	111	111	111

Feature at a Glance

Introducing: Replenishment orders for supplier-managed inventory

Supplier process flow:

HOME INBOX OUTBOX QUALITY **PLANNING** CATALOGS REPORTS UPLOAD/DOWNLOAD CSV Documents **Create**

Forecast Planning Collaboration Sales Report

Create replenishment order

Cancel **Create order**

Buyer

Replenishment order *

TechDronix

SO109890

Leave a comment ...

Ship from

Teststraße 11
München 85841
DEU

Phone:

Ship to

Neurottstraße 16
Walldorf 08
Germany

Phone:

Include	Description	Planned ship date	Delivery date	Quantity	Unit	Price
Buyer part: DICE-DP-0500 Supplier part: Buyer plant: Werk 0001(0001)						
<input checked="" type="checkbox"/>	15"Carbon Propeller	7 May 2018	7 May 2018	300	EA	120 USD
<input checked="" type="checkbox"/>	15"Carbon Propeller	14 May 2018	14 May 2018	200	EA	120 USD
<input checked="" type="checkbox"/>	15"Carbon Propeller	21 May 2018	21 May 2018	300	EA	120 USD

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Supplier process flow:

Navigation bar with tabs: HOME, INBOX, **OUTBOX**, QUALITY, PLANNING, CATALOGS, REPORTS, UPLOAD/DOWNLOAD. Right side: CSV Documents ▾, Create ▾. Sub-menu: Invoices, Order Confirmations, Ship Notices, Service Sheets, Extended Collaboration, **Product Replenishment**, Drafts, More... ▾.

Product Replenishment

► Search Filters

Product Replenishment

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Document ID	Customer	Date ↓	Status	
FC7543147-1525902953464	TechDronix	10 May 2018 3:25:53 AM	Sent	Export cXML
FC7543147-1525465264710	TechDronix	5 May 2018 1:51:04 AM	Sent	Export cXML
FC7543147-1525460692204	TechDronix	5 May 2018 12:34:51 AM	Sent	Export cXML
FC7543147-1525210009848	TechDronix	2 May 2018 2:56:50 AM	Sent	Export cXML
FC7543147-1525106412495	TechDronix	30 Apr 2018 10:10:12 PM	Sent	Export cXML
FC7543147-1525105894770	TechDronix	30 Apr 2018 10:01:34 PM	Sent	Export cXML
FC7543147-1525105253689	TechDronix	30 Apr 2018 9:50:54 PM	Sent	Export cXML
FC7543147-1522721981857	TechDronix	3 Apr 2018 7:49:41 AM	Sent	Export cXML

Feature at a Glance

Introducing: Replenishment orders for supplier-managed inventory

Supplier process flow:

Navigation bar: HOME, INBOX, **OUTBOX**, QUALITY, PLANNING, CATALOGS, REPORTS, UPLOAD/DOWNLOAD, CSV Documents, Create

Sub-navigation: Invoices, Order Confirmations, Ship Notices, Service Sheets, Extended Collaboration, Product Replenishment, **Sales Orders**, More...

Sales Orders

Search Filters

Sales Orders

	Sales Order ID	Sales Order Type	Customer	Date	Routing Status	Status	Order Number	Order Status	Actions
	SO109890	Replenishment	TechDronix	10 May 2018 10:12:02 PM	Sent	New			Actions
	RO-201805077	Replenishment	TechDronix	8 May 2018 3:28:47 AM	Acknowledged	New	4500207080	New	Actions
	RO-201805076	Replenishment	TechDronix	8 May 2018 2:49:04 AM	Acknowledged	New	4500207077	New	Actions
	RO-201805075	Replenishment	TechDronix	8 May 2018 2:28:09 AM	Acknowledged	New	4500207075	New	Actions
	RO-201805074	Replenishment	TechDronix	8 May 2018 2:24:11 AM	Acknowledged	New	4500207074	New	Actions
	RO-201805073	Replenishment	TechDronix	8 May 2018 2:14:33 AM	Acknowledged	New	4500207073	New	Actions
	RO-201805072	Replenishment	TechDronix	8 May 2018 1:25:19 AM	Acknowledged	New			Actions
	RO-201805072	Replenishment	TechDronix	7 May 2018 10:17:09 PM	Sent	New			Actions
	Ro 123	Replenishment	TechDronix	24 Apr 2018 7:56:05 PM	Sent	New			Actions
	Ro73773	Replenishment	TechDronix	16 Apr 2018 9:18:12 PM	Sent	New			Actions
	RO1-0410	Replenishment	TechDronix	11 Apr 2018 12:30:24 AM	Sent	New			Actions

Feature at a Glance

Introducing: **Replenishment orders for supplier-managed inventory**

Integration

- Integration of the feature will be available with ERP ADD ON SP18
- cXML changes : The replenishment orders for supplier-managed inventory feature depends on a minimum of cXML DTD 1.2.036.

Thank You !