



SAP Ariba 

Feature at a Glance

Order confirmation support for scheduling agreements and scheduling agreement releases

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CONFIDENTIAL

Feature at a Glance

Ease of implementation

Low touch / simple

Geographic relevance

Global

Introducing: Order confirmation support for scheduling agreements and scheduling agreement releases

Customer challenge

Confirmations are usually not very common for industries (discrete manufacturing) following the scheduling agreement or scheduling agreement release collaboration process. However, some customers indicate that they need this capability.

Meet that challenge with SAP Ariba

With this feature, buyers may configure whether their suppliers can confirm scheduling agreements and scheduling agreement releases for firm schedule lines.

In addition, a new rule allows buyers to define whether tolerances for quantity, delivery date, or both, must be evaluated at the schedule-line level. This rule applies to scheduling agreements, scheduling agreement releases, and regular orders.

Experience key benefits

Customers that require confirmations for scheduling agreement and/or scheduling agreement releases will be able to receive those from Ariba Network providing better visibility into expected delivery dates and higher confidence in suppliers ability to meet requested demand.

Solution area

SAP Ariba Supply Chain Collaboration for Buyers

Implementation information

This feature is **automatically on** for all customers with the applicable solutions but requires **customer configuration**.

Prerequisites and Restrictions

Prerequisite: Enable related Default Transaction Rule, see next slide

Prerequisite for integration with SAP ERP or SAP S/4HANA is to apply the following SAP Notes:

810340 - To support the order confirmation document type for scheduling agreement and scheduling agreement release documents.

2799244 - To configure separate confirmation control keys for scheduling agreement and scheduling agreement release documents.

Restrictions see next 2 slides

Feature at a Glance

Introducing: Order confirmation support for scheduling agreements and scheduling agreement releases

Prerequisites

- Confirmation for SA/SAR is configured through a **default transaction rule**: “Allow suppliers to send order confirmations for scheduling agreement and scheduling agreement release”.

Scheduling Agreement Release Setup Rules

Allow scheduling agreement collaboration. ⓘ

Allow scheduling agreement release collaboration. ⓘ

If using both JIT and forecast releases, choose which type the supplier must use for shipping. ⓘ

Allow suppliers to use only JIT for shipping.

Allow suppliers to use only Forecast for shipping.

Allow suppliers to send order confirmations for scheduling agreement and scheduling agreement release. ⓘ

- This rule is enabled if one or both rules below are checked:
 - “Allow scheduling agreement collaboration”
 - “Allow scheduling agreement release collaboration”
- The rule “Allow suppliers to send order confirmations for material orders at the line-item level” must also be enabled.
- For a complete list of existing default transaction rules which can be applied to scheduling agreements and scheduling agreement releases please refer to the documentation.

If this rule is enabled, suppliers can confirm scheduling agreements and scheduling agreement releases. Suppliers can only confirm Firm schedule lines. Rules related to purchase order confirmation also apply to scheduling agreements and scheduling agreement releases.

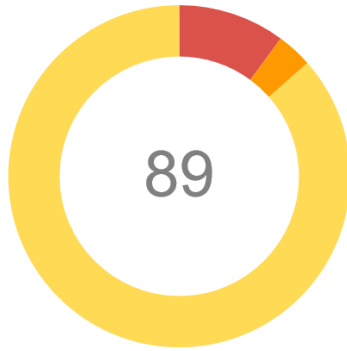
Feature at a Glance

Introducing: **Order confirmation support for scheduling agreements and scheduling agreement releases**

Restrictions

- Confirmation for Forecast and Tradeoff schedule lines is not possible, only Firm schedule lines are supported
- If integrated suppliers send confirmation for Tradeoff or Forecast schedule lines, the order confirmation fails
- Scheduling agreement (SA) or scheduling agreement releases (SAR) confirmation is not possible using the Order Confirmation Excel mass upload functionality
- Order confirmation deviation approval process is not available for SA/SAR confirmations
- Alerts for SA/SAR are not shown in the Confirmation alerts tab of Supply Chain Monitor, see picture below (Confirmation quantity deviations, Missing Confirmations, or Confirmation date deviations)

Confirmation alerts ...



Confirmation exceptions from SA/SAR do not show up here

9	Confirmation quantity deviations
3	Confirmation date deviations
77	Missing Confirmations

For the buyer to check the confirmation status of SA/SARs items in Ariba Network an option is to create a report of type **Open Order Report (Supply Chain Impact)**. Go to **Homepage → Reports** create and run the job, once processed download the .csv file

Report Templates

Title ↑	Schedule Type	Report Type	Status	Last Run	Next Run	Created	Created By	Report Size
Check Order usage	Manual	Order Summary	Processed	16 Jul 2019		16 Jul 2019	Admin LOB APJ Buyer 1	495 B
Confirmation Status of SA/SAR SLs	Manual	Open Order Report (Supply Chain Impact)	Processed	27 Mar 2020		27 Mar 2020	Admin LOB APJ Buyer 1	16 KB

Download the processed report to your local drive

	A	B	C	D	E	F	G	H	I	J	Est.
1	Order #	Supplier	Line Number	Quantity	UOM	Customer Part Number	OC Quantity	OC Status	Total Confirmed Quantity	Total Unconfirmed Quantity	
2	550000026100010FOR	SK Enterprise	10	45	EA	PROC-FU-0002	45	Unconfirmed	0	45	
3	550000026100010JIT	SK Enterprise	10	10	EA	PROC-FU-0002	5	Unconfirmed	5	5	
4	550000026100010JIT	SK Enterprise	10	10	EA	PROC-FU-0002	5	Confirmed	5	5	

Feature at a Glance

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Important considerations

- Confirmation for SA/SAR is only allowed for **Firm commitment level** schedule lines (SLs).

- **SA/SAR**

- Line 1 – qty **100**

- SL1 – qty 50 – March 10 - Firm
- SL2 – qty 50 – March 20 - Firm
- SL3 – qty 50 – April 10 - Tradeoff
- SL4 – qty 50 – May 10 - Forecast

Confirmation is only possible for SL1 and SL2

- When a new version of the SA/SAR is received, previous confirmations will **always** be retained, **except when** the schedule is **dropped** in the new version of the SA/SAR (confirmation will not be retained for the dropped schedule line) or the schedule line quantity changes in the new version of the SA/SAR (confirmation will not be retained for this schedule line) .

- **OC**

- Line 1

- **50 Confirmed – March 10 (SL1)**
- **50 Confirmed – March 20 (SL2)**

- **SA/SAR v2**

- Line 1 – qty **150**

- SL1 – qty 50 – March 10 – Firm (50 Confirmed – March 10)
- SL2 – qty 50 – March 20 – Firm (50 Confirmed – March 20)
- SL3 – qty 50 – April 10 – Firm
- SL4 – qty 50 – May 10 – Forecast
- SL5 – qty 50 – June 10 – Forecast

Confirmation retained

Feature at a Glance

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Tolerance validations

- Customer can decide if quantity and date tolerance are evaluated using existing logic on line item level:
 - **Quantity tolerance:** the overall confirmed quantity (for all confirmed schedule lines) has to be within tolerance.
 - **Date tolerance:** the valid date ranges are calculated for each (Firm) schedule line and all confirmed dates must be within at least one of the ranges.

<u>SA/SAR</u>	<u>OC</u>
Line 1 – qty 100 SL1 – qty 50 – March 10 - Firm SL2 – qty 50 – March 20 - Firm SL3 – qty 50 – April 10 - Tradeoff SL4 – qty 50 – May 10 – Forecast Qty. tolerance = +/- 10% Date tolerance = +/- 2 days	Line 1 60 Confirmed – March 18 (SL1) 40 Confirmed – March 22 (SL2) * Overall confirmed qty. is 100 (60+40) and it is within [90 – 110] * March 18 and March 22 are within one of the following ranges: [March 8 - March 12], [March 18 - March 22]

Feature at a Glance

Introducing: Order confirmation support for scheduling agreements and scheduling agreement releases

Tolerance validations

- Quantity and/or date tolerances can **also** be evaluated at **schedule line level** by enabling a new rule

Validate tolerance for quantity, delivery date, or both at the schedule-line level. ⓘ

Quantity tolerance ⓘ

Date tolerance ⓘ

- This rule applies to scheduling agreements, scheduling agreement releases, and regular purchase orders.
 - Quantity tolerance:** the confirmed quantity for a specific schedule line has to be within tolerance considering the quantity of this schedule line in the order or release.
 - Date tolerance:** the confirmed date for a specific schedule line has to be within tolerance considering the date of this schedule line in the order or release.

<u>SA/SAR</u>	<u>OC</u>
Line 1 – qty 100 SL1 – qty 50 – March 10 - Firm SL2 – qty 50 – March 20 - Firm SL3 – qty 50 – April 10 - Tradeoff SL4 – qty 50 – May 10 – Forecast <div style="background-color: #FFD700; padding: 5px; width: fit-content;"> Qty. tolerance = +/- 10% Date tolerance = +/- 2 days </div>	Line 1 45 Confirmed – March 08 (SL1) 55 Confirmed – March 22 (SL2) * Confirmed quantity for SL1 (45) is within [45 – 55] * Confirmed quantity for SL2 (55) is within [45 – 55] * Confirmed date for SL1 (March 08) is within [March 08 - March 12] * Confirmed date for SL2 (March 22) is within [March 18 - March 22]

Feature at a Glance

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Supplier User Interface

Supplier can confirm schedule lines of SA/SARs in following ways

1. Orders and Releases page: 'Update Line Items' and proceed in the Order Confirmation wizard
2. Items to Confirm page
3. Integrated supplier confirmation via ConfirmationRequest cXML message

The confirmation is done at schedule line level, hence schedule line number is mandatory for all options.

Option 1. Order and Releases page – 'Update Line Items'

The screenshot displays the SAP Scheduling Agreement Release (SAR-001) interface. A callout box on the left states: "Confirmation option is now available for SA/SAR". The main interface shows a header bar with the title "Scheduling Agreement Release: SAR-001" and a toolbar containing buttons for "Create Order Confirmation", "Create Ship Notice", "Create Invoice", and "Create Quality Notification". The "Create Order Confirmation" dropdown menu is open, showing three options: "Confirm Entire Order", "Update Line Items" (highlighted with a red box), and "Reject Entire Order". Below the toolbar, there are tabs for "Processing History" and "Release History". The bottom section of the interface shows contact information for "Acme" (123 Anystreet, Sunnyvale, CA 94089, United States) and "DEV SCC Carla Supplier" (jUnitDummy, Arkansas City, AR 71630, United States, Phone: +1 (650) 3902788, Fax: +1 (650) 3902788, Email: carla.ruiz@sap.com).

Feature at a Glance

Introducing: **Order confirmation support for scheduling agreements and scheduling agreement releases**

Supplier User Interface

Option 1. Order and Releases page shows all schedule lines of SA/SAR with different Commitment Levels

Line Item

Line #	Part #	Customer Part #	Type	Return	Revision Level	Qty (Unit)	Need By	Unit Price	Subtotal	Previous Received Qty (Unit)
1	AX4518		Material			20 (PK)	20 Dec 2019	\$15.60 USD	\$312.00 USD	

Description: BULLNOSE SHELVES 4 PK

Status

20 Unconfirmed

Release Information

End of Firm Zone: 30 Dec 2019 4:37 PM EST

End of Tradeoff Zone: 1 Dec 2019 4:37 PM EST

Release Type: JIT

Schedule Lines

Schedule Line #	Shipment Status	Delivery Date	Ship Date	Quantity (Unit)	Cumulative Scheduled Qty (Unit)	Received Qty (Unit)	Commitment Level
1		10 Dec 2019 4:37 PM EST		10 (EA)	10 (EA)		Firm
2		20 Dec 2019 4:37 PM EST		10 (EA)	20 (EA)		Firm
3		21 Jan 2020 4:37 PM EST		10 (EA)	30 (EA)		Forecast
4		21 Feb 2020 4:37 PM EST		10 (EA)	40 (EA)		Tradeoff

SA/SA item with 4 schedule lines (2 Firm, 1 Tradeoff, 1 Forecast)

Feature at a Glance

Introducing: **Order confirmation support for scheduling agreements and scheduling agreement releases**

Supplier User Interface

Option 1. Order and Releases page – ‘Update Line Items’ → only firm schedule lines are displayed on Confirmation page

Line Items

Line #	Part #	Customer Part #	Revision Level	Qty (Unit)	Need By	Unit Price	Subtotal	Customer Location
1	AX4518			20 (PK)	20 Dec 2019	\$15.60 USD	\$312.00 USD	

Description: BULLNOSE SHELVES 4 PK

▼ **Schedule Lines**

Schedule Line No. ↑	Commitment Level	Delivery Date	Ship By	Quantity (Unit)
1	Firm	10 Dec 2019		10 (EA)
2	Firm	20 Dec 2019		10 (EA)

Current Order Status

20 Unconfirmed

Confirm:

Reject All ⓘ

[Confirm Based on Schedule Lines](#)

[Details](#) ⓘ

Only Firm schedule lines can be confirmed

Supplier can confirm using this option: Confirm Based on Schedule Lines

Feature at a Glance

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Supplier User Interface

Option 1. Order and Releases page – ‘Update Line Items’ - cont’d

CONFIRM BASED ON SCHEDULE LINES

Latest Confirmed Delivery Date: None

Schedule Lines

<input type="checkbox"/>	Schedule Line No. ↑	Commitment Level	Delivery Date	Ship By	Quantity (Unit)
<input type="checkbox"/>	1	Firm	<input type="text" value="10 Dec 2019"/> 		<input type="text" value="10"/>
<input type="checkbox"/>	2	Firm	<input type="text" value="20 Dec 2019"/> 		<input type="text" value="10"/>

Only Firm schedule lines are displayed. Quantity and Delivery Date can be edited.

Feature at a Glance

Introducing: **Order confirmation support for scheduling agreements and scheduling agreement releases**

Supplier User Interface

Option 1. Order and Releases page – ‘Update Line Items’ - cont’d

Line Items

Line #	Part #	Customer Part #	Revision Level	Qty (Unit)	Need By	Unit Price	Subtotal	Customer Location
1	AX4518			20 (PK)	20 Dec 2019	\$15.60 USD	\$312.00 USD	

Description: BULLNOSE SHELVES 4 PK

▼ **Schedule Lines**

Schedule Line No. ↑	Commitment Level	Delivery Date	Ship By	Quantity (Unit)
1	Firm	10 Dec 2019		10 (EA)
2	Firm	20 Dec 2019		10 (EA)

Current Order Status

10 Confirmed With New Date (Schedule line number: 1; Commitment level: firm; Estimated Delivery Date: 11 Dec 2019)

10 Confirmed As Is (Schedule line number: 2; Commitment level: firm; Estimated Delivery Date: 20 Dec 2019 - defaulted from Requested Delivery Date in order)

Confirm:

Reject All ⓘ

[Confirm Based on Schedule Lines](#)

[Details](#) ⓘ

Confirmation statuses are created

Supplier can edit other details clicking this option

Feature at a Glance

Introducing: **Order confirmation support for scheduling agreements and scheduling agreement releases**

Supplier User Interface

Option 1. Order and Releases page – ‘Update Line Items’ - cont’d

Order Confirmation Details page

Line No.	Part No.	Customer Part No.	Qty
1	AX4518		20

Description: BULLNOSE SHELVES 4 PK

New Order Status: **10 Confirmed**

Schedule Line: ⓘ * Line number 1 - quantity 10 - date 10 Dec 2019 - commitment level firm ▾

Est. Shipping Date:

Est. Delivery Date: 11 Dec 2019

Unit Price: \$15.60 USD

Supplier Part: AX4518

Auxiliary Part ID: AXSPA001

Manufacturer Part ID: AX4518

Manufacturer Name: 20008496

Supplier Batch ID:

Comments:

Description: BULLNOSE SHELVES 4 PK

New schedule line dropdown indicates which schedule line is being confirmed

Additional fields can be edited in this view

Feature at a Glance

Introducing: **Order confirmation support for scheduling agreements and scheduling agreement releases**

Supplier User Interface

Option 2. Items to Confirm page

Orders and Releases | **Items to Confirm** | Items to Ship | Return Items

Search Filters

Items to Confirm (2)

Type	Order Number	Item	Description	Customer	Requested Qty	Unconfirmed Qty	Qty to Confirm	Unit Price	Subtotal	Need By	Schedule Line	Actions
Release	SAR-002	2	BULLNOSE SHELVES 4 PK	DEV SCC Carla Buyer	200 (PK)	200 (PK)		\$15.60 USD	\$3,120.00 USD	10 Dec 2019	Edit / View	Actions
Release	SAR-002	1	BULLNOSE SHELVES 4 PK	DEV SCC Carla Buyer	20 (PK)	20 (PK)		\$15.60 USD	\$312.00 USD	20 Dec 2019	Edit / View	Actions

[Confirm Requested Quantities](#) | [Confirm Entire Order](#) | [Create Quality Notification](#)

SA/SAR items can be confirmed from Items to Confirm page

SCHEDULE LINES

Schedule Lines

Schedule Line No.	Estimated Shipping Date	Estimated Delivery Date	Supplier Batch ID	Quantity (Unit)	Cumulative Scheduled Qty (Unit)	Commitment Level
1	<input type="text"/>	20 Jan 2020 20 Jan 2020 Buyer time	EST	100 (EA)	100 (EA)	Firm
2	<input type="text"/>	21 Jan 2020 21 Jan 2020 Buyer time	EST	100 (EA)	200 (EA)	Firm

[Accept](#) | [Cancel](#)

Only Firm Schedule lines can be edited (confirmed).

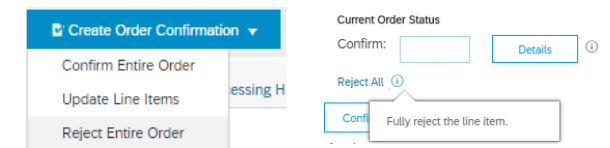
Feature at a Glance

Introducing: About integration to support the order confirmation for SA/SAR with SAP ERP or SAP S/4HANA using SAP Ariba Cloud Integration Gateway

- Buyers can receive order confirmations for scheduling agreement (SA) and scheduling agreement release (SAR) documents from suppliers on Ariba Network
- SAP Ariba Cloud Integration Gateway supports sending order confirmation document type for SA/SAR documents from Ariba Network to their SAP ERP
- Buyers can configure the confirmation control keys to receive or block order confirmations for SA/SAR from their suppliers
- The order confirmation document type for SA/SAR supports the following:
 - ✓ Full or partial confirmation of SA/SAR items
 - ✓ Tolerance limits being sent along with confirmation control keys from SAP ERP to Ariba Network
 - ✓ Evaluation of tolerances done within Ariba Network, with no further tolerance evaluation in SAP ERP on receiving the order confirmation
 - ✓ Attachments at header level. Line level attachment is only supported by implementing a BAdI
 - ✓ Comments at header and line item level

Prerequisites/Limitations regarding the Integration with SAP ERP via SAP Ariba Cloud Integration Gateway

- By default, EDI confirmation for SA/SAR is disabled in SAP ERP system. In order to process Confirmations for SA & SAR via EDI, it is required to enable this functionality via SAP Note # 810340 - EDI ORDRSP: "Confirmations for scheduling agreements"
- Per standard SAP ERP behavior, price deviations are not supported for SA/SAR. To ensure this behavior, separate confirmation control keys for SA/SAR must be configured in ERP to disallow price changes. When confirming SA/SAR in Ariba Network the price fields are not editable by the supplier.
- Please refer to SAP Note # 2799244 – "Error ME618 while posting ORDRSP Idoc for SA"
- SAP ERP only supports a maximum number of 9999 confirmations for a given Purchasing document (refer to above mentioned SAP Note #810340), to be able to exceed this limit a reorg program has to be implemented
- To override the default quantity tolerance and time tolerance checks on order confirmations for scheduling agreement document and scheduling agreement release documents, you must implement the customer exit EXIT_SAPLEINM_009, see documentation
- Header level 'Reject Entire Order' or 'Reject All' at line item level are not reflected in SA/SAR confirmation tab in SAP ERP

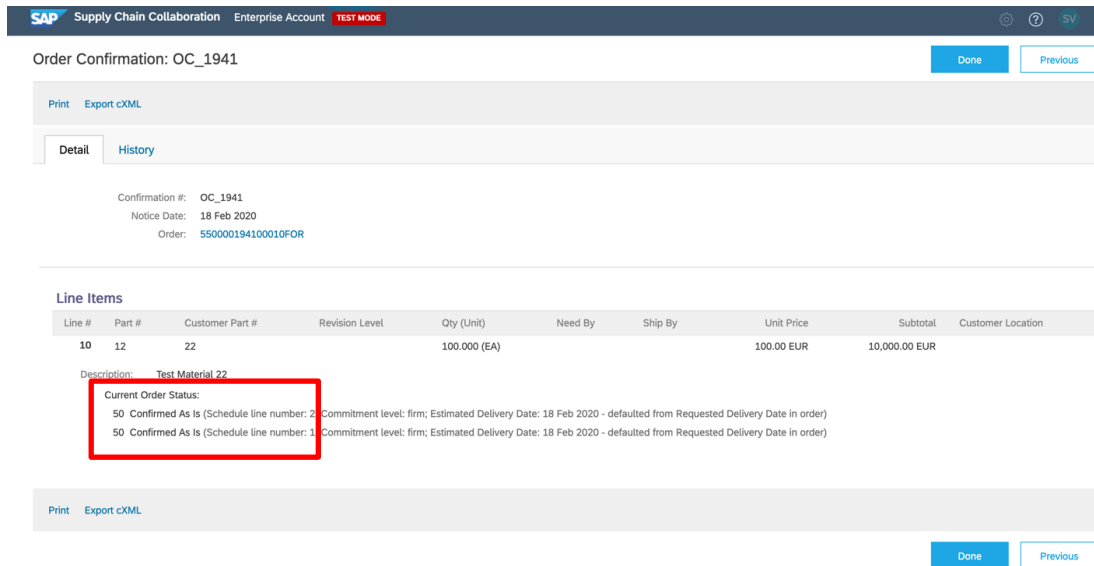


Feature at a Glance

Introducing: **Order confirmation support for scheduling agreements and scheduling agreement releases**

Integration with SAP ERP or SAP S/4HANA

SA/SAR confirmations entered by supplier in Ariba Network are integrated to SAP ERP or SAP S/4HANA via SAP Ariba Cloud Integration Gateway. Schedule line based confirmations can be checked from the item view of the SA/SAR (transaction /me33I):



Order Confirmation: OC_1941

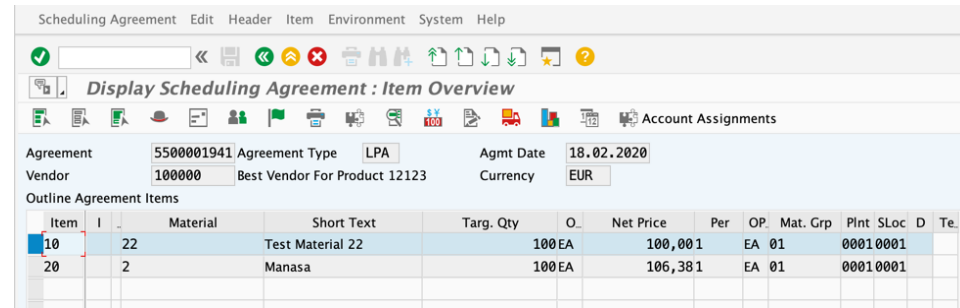
Confirmation #: OC_1941
Notice Date: 18 Feb 2020
Order: 550000194100010FOR

Line #	Part #	Customer Part #	Revision Level	Qty (Unit)	Need By	Ship By	Unit Price	Subtotal	Customer Location
10	12	22		100.000 (EA)			100.00 EUR	10,000.00 EUR	

Description: Test Material 22

Current Order Status:

- 50 Confirmed As Is (Schedule line number: 2) Commitment level: firm; Estimated Delivery Date: 18 Feb 2020 - defaulted from Requested Delivery Date in order
- 50 Confirmed As Is (Schedule line number: 1) Commitment level: firm; Estimated Delivery Date: 18 Feb 2020 - defaulted from Requested Delivery Date in order

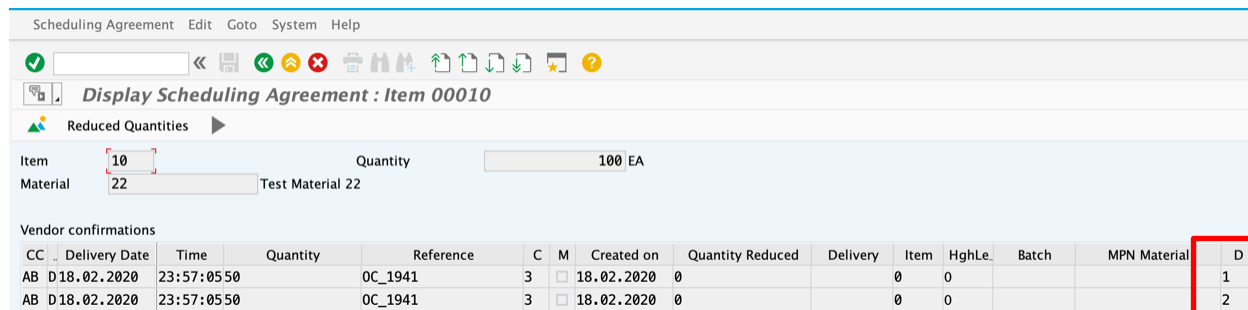


Display Scheduling Agreement : Item Overview

Agreement: 5500001941 Agreement Type: LPA Agmt Date: 18.02.2020
Vendor: 100000 Best Vendor For Product 12123 Currency: EUR

Item	I	Material	Short Text	Targ. Qty	O.	Net Price	Per	OP	Mat. Grp	Plnt	SLoc	D	Te.
10		22	Test Material 22	100 EA		100,00 1		EA 01		00010001			
20		2	Manasa	100 EA		106,38 1		EA 01		00010001			

1. Select the item
2. in menu navigate to → Item → Confirmations → Overview



Display Scheduling Agreement : Item 00010

Reduced Quantities

Item: 10 Quantity: 100 EA
Material: 22 Test Material 22

CC	Delivery Date	Time	Quantity	Reference	C	M	Created on	Quantity Reduced	Delivery	Item	HghLe.	Batch	MPN Material	D
AB	D 18.02.2020	23:57:05 50		OC_1941	3		18.02.2020	0		0	0			1
AB	D 18.02.2020	23:57:05 50		OC_1941	3		18.02.2020	0		0	0			2

For each confirmed schedule line a corresponding confirmation with category 'AB' is available.

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