



SAP Ariba 

Feature at a Glance

Support for planned lean service line items

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CONFIDENTIAL

Feature at a Glance

Ease of implementation



Some complexity

Geographic relevance



Global

Introducing: Support for planned lean service line items

Customer challenge

In some industries, some customers are asking for a simplified services procurement process and trading partner collaboration, for instance without multiple levels of service line item in the purchasing documents.

SAP S/4HANA and SAP S/4HANA Cloud offer lean services to fulfill these requirements but Ariba Network does not support yet lean services.

Meet that challenge with SAP Ariba

This feature introduces support for a new type of line item called lean services in Ariba Network.

This corresponds to SAP S/4HANA and SAP S/4HANA Cloud planned lean services.

Experience key benefits

It reduces the time, user effort, and processes involved in procuring low-value materials and services

It enables SAP S/4HANA and SAP S/4HANA Cloud planned lean services trading partner collaboration on Ariba Network.

Solution area

Ariba Network

SAP Ariba Commerce Automation

SAP Ariba Commerce Automation Membership

Implementation information

This feature is automatically on for all customers with the applicable solutions and is ready for immediate use.

Prerequisites and Restrictions

SAP S/4HANA Cloud 1911 and SAP Ariba Cloud Integration Gateway are required. The integration set-up is described in the SAP Best Practices scope item 42K “Automation of Purchase-to-Pay with Ariba Network”.

Unplanned lean services line items are not supported.

Order confirmation is not supported.

Service Performer is not sent into the SES/Invoice cXML file.

Tolerances are not supported.

SAP S/4HANA Cloud is not receiving invoices with SES reference.

SAP S/4HANA 1909 does not support yet this integration.

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Detailed feature information

The following are the changes to the user interface for this feature:

- A new type of line item, *Lean Service* is introduced, in addition to *Material* and *Service*.
- While creating a service sheet or an invoice from a purchase order with *Lean Service* items, all the line items are flipped together. This is unlike a purchase order with several *Service* line items, where a service sheet or a standard invoice can be created for only one line item in the purchase order. The supplier can create a single service sheet or an invoice for all the *Lean Service* line items.
- The supplier can choose to exclude one or more *Lean Service* line items by deselecting the radio button *Include* against each line item. By default, all *Lean Service* line items are included in the service sheet or invoice.
- There is no parent-child structure for *Lean Service* items. Each line item exists independently.
- While creating a service sheet or a standard invoice from a purchase order with *Lean Service* items, only four fields can be edited - *Qty/Unit*, *Start Date*, *End Date*, and *Add comments*.
- The service period *Start Date* and *End Date* in the service sheet or invoice must be within the dates specified for the line item in the purchase order.

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Purchase order with lean services created in SAP S/4HANA Cloud

- 1 New purchase order created with planned lean services line items.

The screenshot displays the SAP S/4HANA Cloud interface for a Purchase Order. The header shows 'Purchase Order' with a dropdown arrow and a search icon. Below the header, there is a 'Standard PO 4500001491' and a 'Related Apps' button. The main content area is divided into tabs: 'General Information', 'Items', 'Limit Items', 'Purchase Requisition Items', 'Purchase Contract Items', 'Goods Receipts', and 'Supplier Invoices'. The 'Items' tab is active, showing a table of purchase order items. The first item is highlighted with a red box and a circled '1'. The second item is also visible.

Item	Product Type Group	Short Text	Material Group	Material	Delivery date
10	Service	Project Planning	Services (P001)		31.10.2019
Order Quantity: 100,000 DAY Net Order Price: 450,00 EUR Price Unit: 1 DAY Net Order Value: 45.000,00 EUR Service Performer: Status:					
20	Service	Software Development	Services (P001)	Software Development (4)	31.10.2019
Order Quantity: 100,000 HR Net Order Price: 70,00 EUR Price Unit: 1 HR Net Order Value: 7.000,00 EUR Service Performer: Status:					

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Purchase order with lean services created in SAP S/4HANA Cloud – detailed view

1 New purchase order created with planned lean services line items (standard item category and product type 2).

2 Service sheet required

The screenshot displays the SAP S/4HANA Cloud interface for a purchase order. The main header shows 'Standard PO 4500001491 Created by John Purchaser'. Below this, a table lists items with columns for S..., Itm, Glob..., A, I, Mat Group, Material, Short Text, PO Quantity, OUn, S..., C, and Deliv. Date. The first item is 'Project Planning' with a quantity of 100 and a delivery date of 31.10.2019. The second item is 'Software Development' with a quantity of 100,0 and a delivery date of 31.10.2019. A red box highlights the 'I' column for the first item. Below the table, the 'Invoice' tab is selected, showing fields for 'Material group: P001', 'Supplier Mat. No.', 'Supplier Subrange', 'EAN/UPC', and 'Supplier Batch'. A red box highlights the 'Product Type Group: 2 Service' field. At the bottom right, there are 'Save' and 'Cancel' buttons.

This inset screenshot shows a detailed view of the 'Invoice' tab for the item '1 [10] Project Planning'. It features a list of checkboxes: 'Inv. Receipt' (checked), 'Final Invoice' (unchecked), and 'GR-Bsd IV' (checked). A red box highlights these checkboxes. To the right, there is an 'Invoicing Plan' button and a 'DP Category' dropdown menu.

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Purchase order with lean services received in Ariba Network by the supplier user

1 New purchase order sent from SAP S/4HANA Cloud

2 Service sheet can be created

Purchase Order: 4500001491

Done

Create Order Confirmation Create Service Sheet Create Invoice Hide Print Download PDF Export cXML Download CSV Resend

Order Detail Order History

From: Company Code 1010
Dietmar-Hopp-Allee 16
Walldorf, 69190
DE

To: S4Lean - TEST
jUnitDummy
Sunnyvale, CA 94089
United States
Phone: +1 (650) 3902788

Purchase Order (New) 4500001491
Amount: 52,000.00 EUR

Routing Status: Sent

Line Items

Line #	Part # / Description	Customer Part #	Type	Qty (Unit)	Need By	Price	Subtotal	
10	Non-Catalog-Item		Service Lean Service	100.0 (DAY)	31 Oct 2019	450.00 EUR	45,000.00 EUR	Details
	Project Planning							
20	Non-Catalog-Item	4	Service Lean Service	100.0 (HUR)	31 Oct 2019	70.00 EUR	7,000.00 EUR	Details
	Software Development							

Order submitted on: Tuesday 15 Oct 2019 9:00 AM GMT+02:00
Received by Ariba Network on: Tuesday 15 Oct 2019 8:26 AM GMT+02:00
This Purchase Order was sent by S4Lean - TEST AN02005083674-T and delivered by Ariba Network.

Service Sheet Required.

Sub-total: 52,000.00 EUR

3 2 Lean service line items

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Supplier user creates service sheet in Ariba Network

 All lean service line items copied to the service sheet by default, they can be included or no manually

Service Entry Sheet Lines

Include	Part No. / Description	Type	Item Type
<input checked="" type="checkbox"/> ⓘ	Non-Catalog-Item	Lean Service	Planned
Project Planning			

SERVICE PERIOD

Start Date: * 1 Oct 2019  End Date:

COMMENTS

Add Comments:

Include	Part No. / Description	Type	Item Type
<input checked="" type="checkbox"/> ⓘ	Non-Catalog-Item	Lean Service	Planned
Software Development			

SERVICE PERIOD

Start Date: * 1 Oct 2019  End Date:

Create Service Sheet Update Save Exit Next

Service Sheet Header * Indicates required field Add to Header ▾

Summary

Purchase Order: 4500001491 Subtotal: 52,000.00 EUR

Service Sheet #: * Service Start Date: * 

Service Sheet Date: * 16 Oct 2019  Service End Date: * 

Service Description:

Copy the service start and end dates to the service line items

Additional Fields

Service Entry Sheet Lines

Include	Part No. / Description	Type	Item Type	Qty / Unit	Price	Subtotal
<input checked="" type="checkbox"/> ⓘ	Non-Catalog-Item	Lean Service	Planned	100 DAY	450.00 EUR	45,000.00 EUR Delete
Project Planning						

SERVICE PERIOD

Start Date: * 1 Oct 2019  End Date: * 31 Oct 2019 

COMMENTS

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Supplier user submits service sheet in Ariba Network

Create Service Sheet Previous Save Submit Exit

Confirm and submit this document.

Service Sheet Subtotal: 8,000.00 EUR
SES4500001491
Date: 16 Oct 2019
Purchase Order: [4500001491](#)
Subtotal: 8,000.00 EUR
Service Start Date: 14 Oct 2019
Service End Date: 15 Oct 2019

From
S4Lean - TEST
S4Lean - TEST
JUnitDummy
Sunnyvale , CA 94089
United States

To
Company Code 1010
S4Lean - TEST
Address ID: 1010

Service Entry Sheet Lines Show Item Details

Line #	Type	Service # / Description	Line Type	Contract #	Qty (Unit)	Unit Price	Subtotal	
1	Lean Service	Non-Catalog-Item Project Planning	Planned		10 (DAY)	450.00 EUR	4,500.00 EUR	Details
2	Lean Service	Non-Catalog-Item 4 Software Development	Planned		50 (HUR)	70.00 EUR	3,500.00 EUR	Details

Service Entry Summary
Subtotal: 8,000.00 EUR

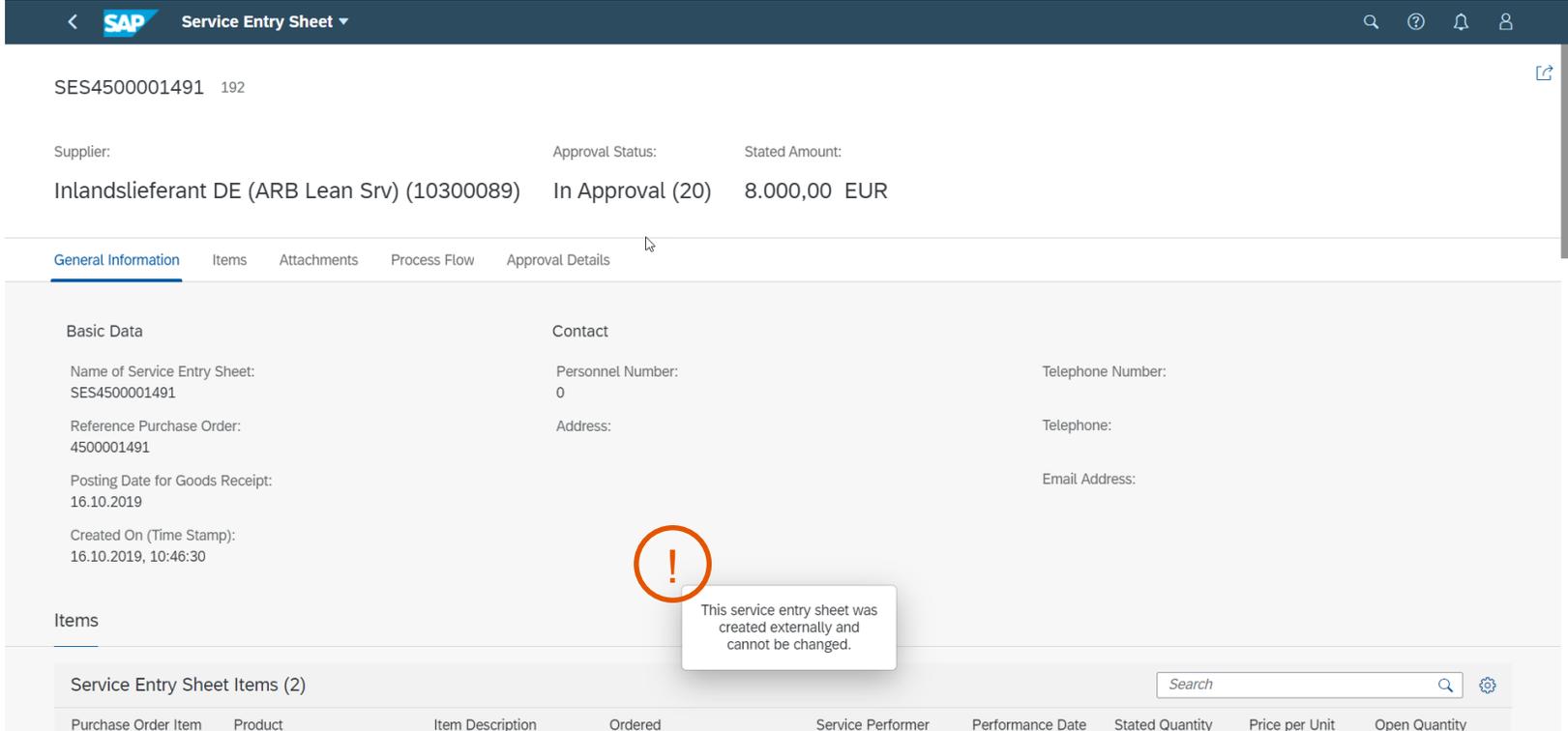
Previous Save Submit Exit

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The service entry sheet is received in SAP S/4HANA Cloud

 The service entry sheet coming from the supplier in Ariba Network cannot be changed in SAP S/4HANA Cloud



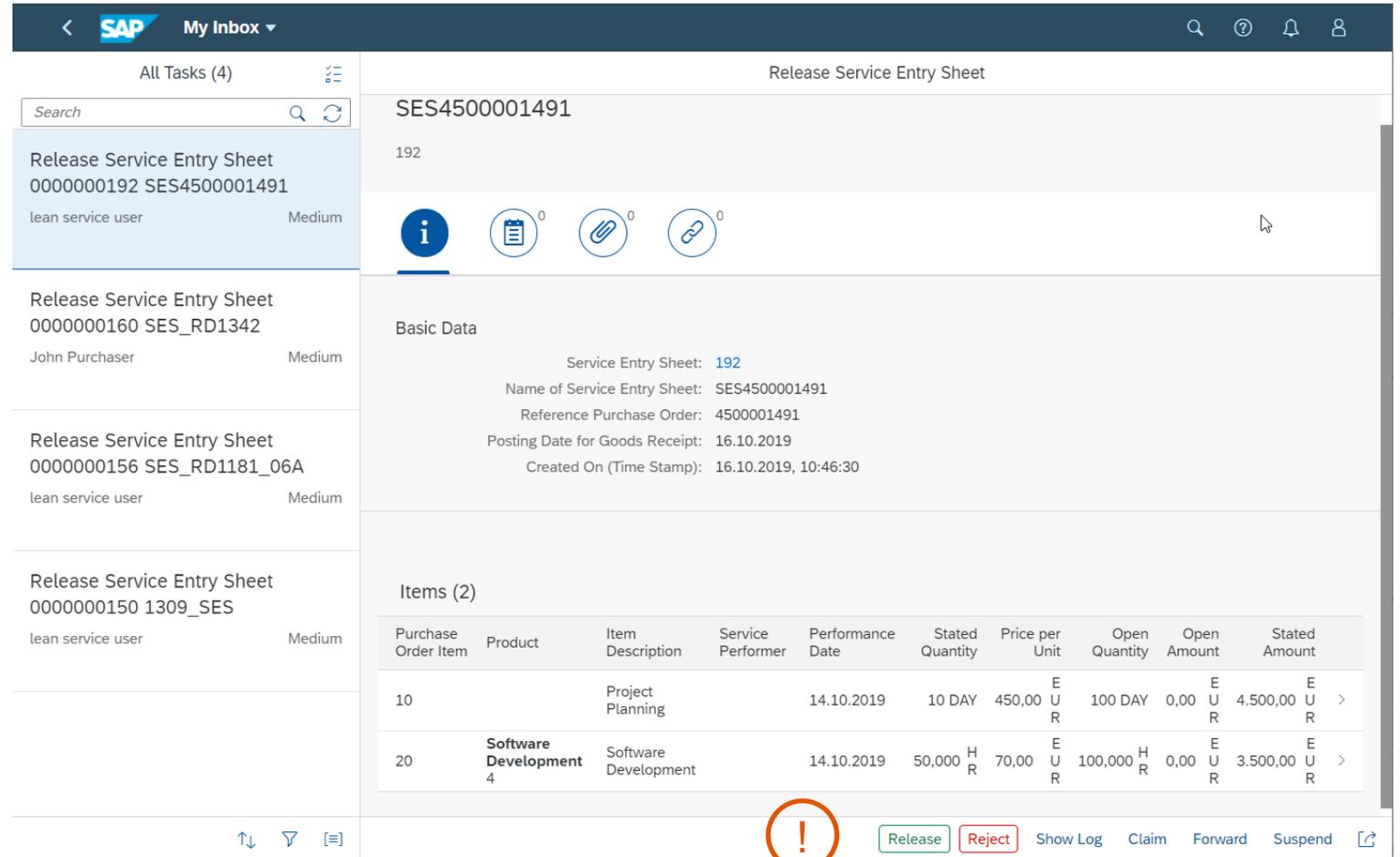
The screenshot displays the SAP S/4HANA Cloud interface for a Service Entry Sheet. The header shows the document ID 'SES4500001491' and the number '192'. Key information includes the Supplier 'Inlandslieferant DE (ARB Lean Srv) (10300089)', Approval Status 'In Approval (20)', and Stated Amount '8.000,00 EUR'. The interface is divided into sections: 'General Information', 'Items', 'Attachments', 'Process Flow', and 'Approval Details'. The 'Basic Data' section contains fields for Name of Service Entry Sheet, Reference Purchase Order, Posting Date for Goods Receipt, and Created On. The 'Contact' section includes Personnel Number, Address, Telephone Number, Telephone, and Email Address. A warning message is displayed: 'This service entry sheet was created externally and cannot be changed.' The 'Items' section shows a table with columns: Purchase Order Item, Product, Item Description, Ordered, Service Performer, Performance Date, Stated Quantity, Price per Unit, and Open Quantity.

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The approver receives the service entry sheet release request in My Inbox

 The approver sees the stated quantities and amounts from the service sheet



My Inbox | Release Service Entry Sheet

SES4500001491

192

Basic Data

Service Entry Sheet: [192](#)

Name of Service Entry Sheet: SES4500001491

Reference Purchase Order: 4500001491

Posting Date for Goods Receipt: 16.10.2019

Created On (Time Stamp): 16.10.2019, 10:46:30

Items (2)

Purchase Order Item	Product	Item Description	Service Performer	Performance Date	Stated Quantity	Price per Unit	Open Quantity	Open Amount	Stated Amount
10		Project Planning		14.10.2019	10 DAY	450,00 E U R	100 DAY	0,00 E U R	4,500,00 E U R
20	Software Development 4	Software Development		14.10.2019	50,000 H R	70,00 E U R	100,000 H R	0,00 E U R	3,500,00 E U R

Release **Reject** Show Log Claim Forward Suspend

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Approved service entry sheet in SAP S/4HANA Cloud

1 The service sheet approval status is Approved

2 The service performer is not yet supported

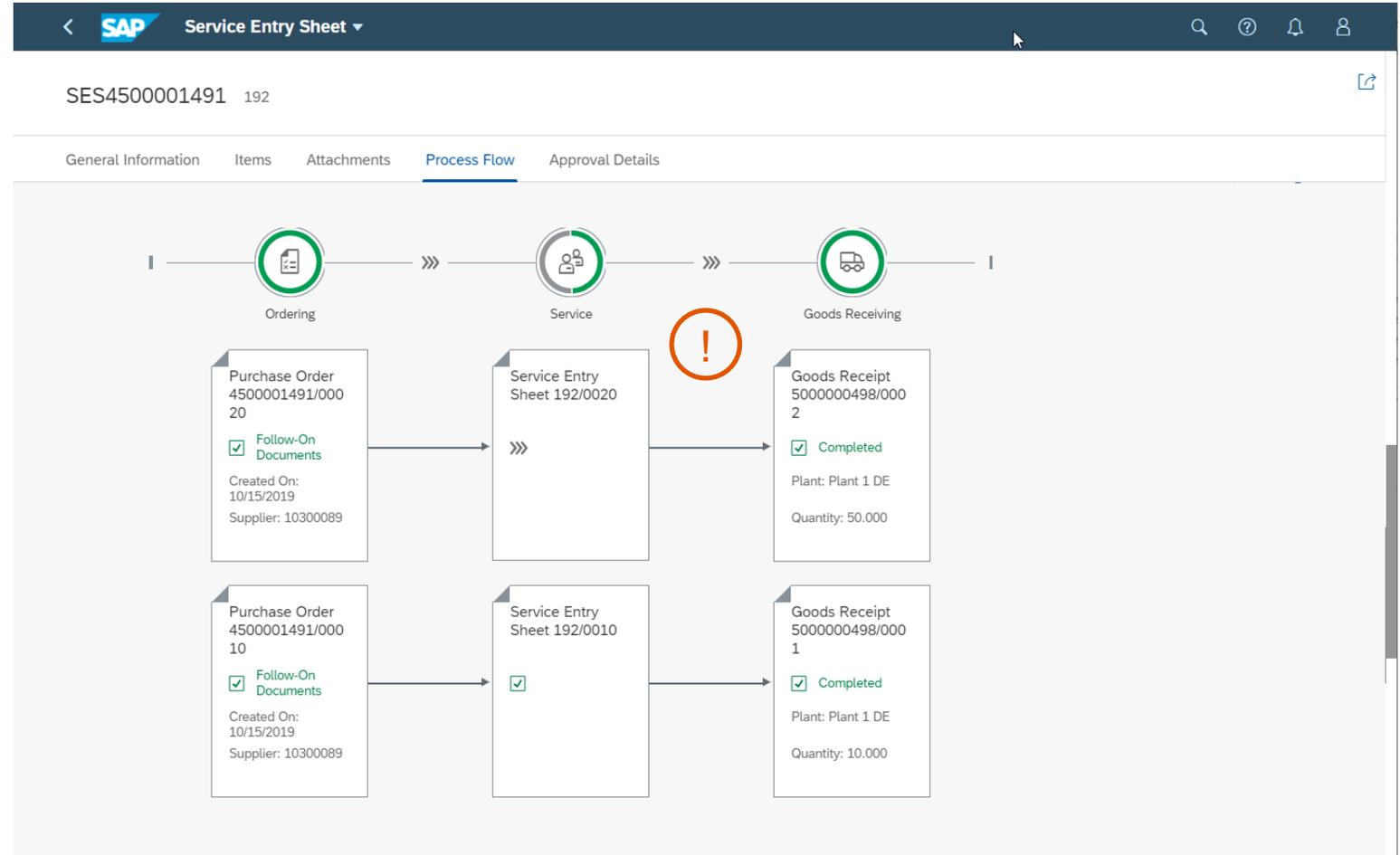
The screenshot displays the SAP S/4HANA Cloud interface for a Service Entry Sheet. The header shows the document ID 'SES4500001491' and the approval status 'Approved (30)'. The 'Approval Status' field is circled with a '1'. Below the header, there are tabs for 'General Information', 'Items', 'Attachments', 'Process Flow', and 'Approval Details'. The 'General Information' tab is active, showing basic data such as 'Name of Service Entry Sheet', 'Reference Purchase Order', 'Posting Date for Goods Receipt', and 'Created On'. The 'Items' tab is also visible, showing a table of service entry sheet items. The table has columns for 'Purchase Order Item', 'Product', 'Item Description', 'Ordered', 'Service Performer', 'Performance Date', 'Stated Quantity', 'Price per Unit', and 'Open Quantity'. A single item is listed with 'Purchase Order Item' 10, 'Item Description' 'Project Planning', 'Performance Date' 14.10.2019, 'Stated Quantity' 10,000 DAY, and 'Price per Unit' 450,00 EUR. The 'Ordered' column shows a progress bar for 'Expected' (100 DAY) and 'Stated' (10 DAY). The 'Service Performer' column is empty, which is circled with a '2'. At the bottom of the items table, there are summary values: 'Open Amount: 0,00 EUR' and 'Stated Amount: 4.500,00 EUR'.

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Approved service entry sheet in SAP S/4HANA Cloud

! The process flow shows for each line item the service entry and the goods receipt created after the release of the service sheet by the approver



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In Ariba Network, the supplier user can flip the approved SES into an invoice

- 1 The service sheet is Approved
- 2 The Create Invoice button is active to flip the service sheet into an invoice

Service Sheet: 101619 To Search Results

[Create Invoice](#) [Copy This SES](#) [Print](#) [Download PDF](#) [Export cXML](#)

[Detail](#) [History](#)

Service Sheet 1
(Approved)
101619
Date: 16 Oct 2019
Purchase Order: [4500001509](#)
ERP SES ID: 0000000193
Subtotal: 6,300.00 EUR
Service Start Date: 1 Oct 2019
Service End Date: 16 Oct 2019

Subtotal: 6,300.00 EUR

From
S4Lean - TEST
jUnitDummy
Sunnyvale , CA 94089
United States

To
Company Code 1010
Address ID: 1010

Routing Status: Acknowledged
Related Documents: [4500001509](#)

Service Entry Sheet Lines Show Item Details

Line #	Type	Service # / Description	Line Type	Contract #	Qty (Unit)	Unit Price	Subtotal	
1	Lean Service	Non-Catalog-Item 4 Software Development	Planned		90 (HUR)	70.00 EUR	6,300.00 EUR	Details

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The supplier user cannot changed data from the approved service sheet

Price, quantity, service start date and end date cannot be changed

The submitted invoice will be sent to SAP S/4HANA Cloud for approval and reconciliation

▼ Invoice Item * Indicates required field Line Item Actions ▼

Quantity: 90	Unit: HUR	
Unit Price: 70.00 EUR	Part #: Non-Catalog-Item	
Subtotal: 6,300.00 EUR	Auxiliary Part ID:	
Customer Part #: 4		

Description Description: Software Development

Service Sheet Details Service Sheet #: 101619 Service Line No.: 1

Inspection Date:

Service Period Service Start Date: 1 Oct 2019 Service End Date: 31 Oct 2019

Accounting Reference Reference ID: Description:

Add
Discount
Comment

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cXML changes

Ariba Network uses the new value *lean* for the *itemType* in the *ItemOut* section of a purchase order cXML document to indicate a lean service item. The following are two examples:

- Example 1

```
<ItemOut lineNumber="1" quantity="10" itemType="lean" itemClassification="service" requiresServiceEntry="yes">
```

- Example 2

```
<ItemOut lineNumber="3" quantity="1" itemType="lean" itemClassification="service" requiresServiceEntry="yes">
```