



SAP Ariba

Supporting Lean Services Procurement Integration between SAP S/4HANA or SAP ERP, and SAP Business Network using SAP Integration Suite, managed gateway for spend management and SAP Business Network AddOn

2511 Release

INTERNAL

CIG 2511 Release Handover Session: Feature List

- **BPI-509 / IG-54359:** Supporting Lean Services Procurement Integration between SAP S/4HANA and SAP Business Network for Commerce Automation using SAP Integration Suite, managed gateway for spend management and SAP Business Network AddOn.

CIG Release & CIG AddOn Support Packs



CIG Release 2511: AddOn Components & Support Packs

CIG Buyer AddOn for S/4 HANA	
ABAP component	Support Pack
ARBCI1 10S	SP24
S4CI1 100	SP01

CIG Buyer AddOn for SAP ERP	
ABAP component	Support Pack
ARBCI1 100	SP24
ARBCI2 100	SP11*
ARBCIGR 100	SP01*

* No change from previous CIG AddOn SP

Supporting Lean Services Procurement Integration between SAP S/4HANA and SAP Business Network for Commerce Automation using SAP Integration Suite, managed gateway for spend management and SAP Business Network AddOn

CIG Feature ID: BPI-509 / IG-54359



IG-54359 Supporting Lean Services Procurement Integration between SAP S/4HANA and SAPBusiness Network for Commerce Automation using SAP Integration Suite, managed gateway for spend management and SAP Business Network AddOn

Business use case

Previously, a commerce automation customer who is in S/4 Hana addon customer did not have the capability to use lean service procurement. They had to upgrade to cloud offerings which is 42K to obtain lean service.

As we know there were gaps between addon and 42K which led to customer dissatisfaction, when the capabilities that were available in addon were not available in 42K.

This feature thereby benefit customers to continue with their addon flow, by also getting the lean service capabilities in the addon world.

This means a customer can do procurement with a supplier via lean service and with classical service (MMSRV).

IG-54359 Supporting Lean Services Procurement Integration between SAP S/4HANA and SAP Business Network for Commerce Automation using SAP Integration Suite, managed gateway for spend management and SAP Business Network AddOn

Functional Overview

- S4 Hana OP customers in 2022 & Above
- Existing customers
 - Upgrade to the latest version ARBCI1 10S: SP 0019 or later.
 - Install SAP S4CINT 100 : SP01
- New customers
 - ARBCI1 10S: SP 0019 or later
 - S4CI1 100 : SP01

In scope

- Planned lean services
- Lean service with item hierarchy

Limitation

- The unplanned lean services (enhanced limit service type) are not supported.
- The update operation for a service entry sheet (SES) is not supported.
- Attachments are not supported

For more information [Supporting Lean Services Procurement Integration between SAP S/4HANA or SAP ERP, and SAP Business Network using SAP Integration Suite, managed gateway for spend management and SAP Business Network AddOn | SAP Help Portal](#)

IG-54359 Supporting Lean Services Procurement Integration between SAP S/4HANA and SAPBusiness Network for Commerce Automation using SAP Integration Suite, managed gateway for spend management and SAP Business Network AddOn

Monitoring

The channels used for monitoring this feature remains same as that of [addon](#). No changes

- Transaction tracker, Document Validator , Connectivity tool to track and validate the document in managed gateway.
- SLG1 and SRT_MONI

User experience

- Customer in OP (2022 Version & above) can create Lean service orders from their addon system, for commerce automation.
- Document type remains the same for Lean service procurement (PO: OrderRequest, SES: ServiceEntrySheet, Invoice: InvoiceDetailRequest)
- Customer will continue to see accounting details in the order in SBN, which is similar to the exiting addon MMSRV behaviour.

S4 Hana OP: Lean Order created

4500005732

ard PO 4500005732 Created by Anupama S Kumar

Off

Messages

Personal Setting

Save As Template

NB Standard PO

4500005732

Supplier

AN_BP_0001 Business Partner 0001_AN_...

Doc. Date

16.10.2025

Header

S...	Itm	A	I	Material	Short Text	PO Quantity	OU	C	Deliv. Date	Net Price	Curre...	Per	OP
	10	K		Painting material		150	EA	D	29.11.2024	200,00	EUR	1	EA
	20	K		Painters		150	EA	D	31.10.2025	100,00	EUR	1	EA

Item

1 [10] Painting material

Material Data

Quantities/Weights

Delivery Schedule

Delivery

Invoice

Conditions

Account Assignment

Texts

Delivery Address

Confirmations

Material group

01

IUID-Relevant

Supplier Mat. No.

EAN/UPC

Supplier Subrange

Supplier Batch

Commodity Code

Product Type Group

1

Material

lean material

InfoUpdate

Item

2 [20] Painters

Material Data

Quantities/Weights

Delivery Schedule

Delivery

Invoice

Conditions

Account Assignment

Texts

Delivery Address

Confirmations

Material group

01

IUID-Relevant

Supplier Mat. No.

EAN/UPC

Supplier Subrange

Supplier Batch

Product Type Group

2

Service

Lean service

InfoUpdate

CIG transaction tracker : Purchase Order

Transaction Tracker

Environment: ☒ TEST ☐ PRODUCTION

Search From:

Oct 15, 2025

00:00

To:

Oct 16, 2025

23:59

Transaction Number:

4500005732

Document Status:

Select a document status

Document Type:

Select a document type

Sender:

ANID

Receiver:

ANID

10

Reprocess

Results Export

Download

Search

☐	Transaction Number	Document Type	Sender	Receiver	Document Status	Destination	Date Last Modified (A
☐	4500005732	OrderRequest	AN02005439245-T S4 Buyer OP - TEST		COMPLETED	https://certsvcgcpnman05.x...	10/16/25, 8:45 PM

same document type as
that of an addon order

Transaction Tracker Details

Document Number: 4500005732

Document Type: OrderRequest

Sender: AN02005439245-T

Receiver:

PO Document Reference #:

Document Status: COMPLETED

Date Last Modified: 10/16/25, 8:45 PM

Payload ID: 35bbfa3d-af6e-4b11-4e76-6c6b4fb96159

Destination: https://certsvcgcpnman05.xglab.ariba.com/service/transaction/cxml.asp

Details

Activity

Custom Header

Name of sender: S4 Buyer OP - TEST

Name of receiver:

Source document type: PurchaseOrderRequest

Source document version: 0000

Source document standard: S4HANA

Target document type: OrderRequest

Target document version: 0000

Target document standard: cXML

SBN: PO replicated

Location Code: 0001

Line Items

Show Item Details

Line #	No. Schedule Lines	Part # / Description	Type	Return	Qty (Unit)	Need By	Unit Price	Subtotal	Tax	
10	1	Non-Catalog-Item	Material	yes	150.0 (EA)	29 Nov 2024	200.00 EUR	30,000.00 EUR		Details
		Painting material								
20	1	Non-Catalog-Item	 Lean Service		150.0 (EA)	31 Oct 2025	100.00 EUR	15,000.00 EUR	0.00 EUR	Details
		Painters								

Order submitted on: Thursday 16 Oct 2025 3:30 PM GMT+05:30
Received by SAP Business Network on: Thursday 16 Oct 2025 8:45 PM GMT+05:30
This Purchase Order was sent by S4 Buyer OP - TEST AN02005439245-T and delivered by SAP Business Network.

 Service Sheet Required.

Sub-total:	-15,000.00 EUR
Est. Total Tax:	0.00 EUR
Est. Grand Total:	-15,000.00 EUR

SBN : SES created

Service Sheet: 16SES_Lean

DonePrevious

Create InvoiceCopy SES

SES from SBN

DownloadCopy

DetailHistory

Service Sheet

(Sent)

16SES_Lean

Date: 16 Oct 2025

Final Service Sheet: No

Purchase Order: 4500005732

Subtotal: 1,000.00 EUR

Service Start Date: 16 Oct 2025

Service End Date: 17 Oct 2025

From

Coastal Goods Incorporated-TEST

Coastal Goods Incorporated-TEST

3356 Via Lido

Newport Beach, CA 92663

United States

To

SAP SE

S4 Buyer OP - TEST

grm street

56003 Hamburg

02

Germany

Address ID: 0001

Subtotal: 1,000.00 EUR

Routing Status: Queued

Related Documents: 4500005732

Field Engineer

Field Contractor

Approver

AK

Email: anupama.s.kumar@sap.com

Service Entry Sheet Lines

Show Item Details

SES Line	Type	Service # / Description	Line Type	Contract #	Qty (Unit)	Unit Price	Subtotal	
1	Lean Service	Non-Catalog-Item Painters	Planned		10 (EA)	100.00 EUR	1,000.00 EUR	Details

Subtotal:

Service Entry Summary

1,000.00 EUR

© 2025 SAP SE or an SAP affiliate company. All rights reserved. | INTERNAL

12

CIG transaction tracker: SES

☐ Transaction Number	Document Type	Sender	Receiver	Document Status	Destination	Date Last Modified (Asia/
☐  16SES_Lean	ServiceEntrySheet	AN21001321768-T Coastal Goods Incorporated-...	AN02005439245-T S4 Buyer OP - TEST	COMPLETED	http://vhldai1qwk.devsys.net...	10/16/25, 8:55 PM

same document type as
that of the addon SES

Transaction Tracker Details

Document Number: 16SES_Lean	Document Status: COMPLETED
Document Type: ServiceEntrySheet	Date Last Modified: 10/16/25, 8:55 PM
Sender: AN21001321768-T	Payload ID: 1760628332008-4454670230304341417@10.178.177.114
Receiver: AN02005439245-T	Destination: http://vhldai1qwk.devsys.net.sap:9009/sap/bc/srt/xip/arba/serviceentrysheetrequest_asyn1/520
PO Document Reference #: 4500005732	

Details

Activity

Custom Header

Name of sender: Coastal Goods Incorporated-TEST
Name of receiver: S4 Buyer OP - TEST
Source document type: ServiceEntrySheet
Source document version: 1.2.067
Source document standard: cXML
Target document type: ServiceEntrySheetRequest
Target document version: 0000
Target document standard: AddOn

Item															2 [20] Painters																	
Material Data															Quantities/Weights		Delivery Schedule		Delivery		Invoice		Conditions		Account Assignment		Purchase Order History		Texts		Delivery...	
Sh. Text	MvT	Material Document	Item	Posting Date	Quantity	De	OUn	Amt.in Loc.Cur.	L.cur	Qty in OPU	DelCostQty (OPU)	Order Price Unit	Amount	Crcy	Reference																	
WE	101	5000002838	1	16.10.2025	10	0	EA	1.000,00	EUR	10	0	EA	1.000,00	EUR	16SES_Lean																	
Tr./Ev. Goods receipt					10		EA	1.000,00	EUR	10		EA	1.000,00	EUR																		
SES	730		1	16.10.2025	10	0	EA	1.000,00	EUR	10	0	EA	1.000,00	EUR	16SES_Lean																	
Tr./Ev. Service Entry Sheet					10		EA	1.000,00	EUR	10		EA	1.000,00	EUR																		

IG-54359 Supporting Lean Services Procurement Integration between SAP S/4HANA and SAPBusiness Network for Commerce Automation using SAP Integration Suite, managed gateway for spend management and SAP Business Network AddOn

Technical Overview

Lean Purchase Order Integration

Outbound Proxy Development

- Developed **asynchronous outbound proxy** for Purchase Order transmission
- Sends **Lean Purchase Order** details to **SBN via CIG**

Proxy Details

- Service Consumer: **PurchaseOrderRequest_Async_Out**
- Proxy Class: **CO_S4CINT_PURCHASE_ORDER_OUT**
- Implementation Class: **CL_S4CINT_PURCHASEORDER_IMPL**

Service Group & View Configuration

- Service Consumer Group: **S4CINT_PO_SRV_GRP** (Configured using SE80)
- Maintained new proxy and service group entry into the view: SAPS_V_COM_W_OBS

Output Type Setup

- Output Type: **S4CINT_PURCHASE_ORDER**
- Created under Application Type: **PURCHASE_ORDER**
- Path: SPRO → Cross-Application Components → Output Control → Define Output Types

Interface Type	XSLT File Name
Purchase Order Outbound	MAPPING_ANY_S4HANA_0000_PurchaseOrderRequest_cXML_0000_OrderRequest.xsl
Service Sheet Entry Inbound	MAPPING_ANY_cXML_0000_ServiceEntrySheetLean_AddOn_0000_ServiceEntrySheetRequest.xsl
Incoming Invoice Inbound	MAPPING_ANY_cXML_0000_InvoiceDetailRequestLean_AddOn_0000_invoicerequest.xsl

IG-54359 Supporting Lean Services Procurement Integration between SAP S/4HANA and SAPBusiness Network for Commerce Automation using SAP Integration Suite, managed gateway for spend management and SAP Business Network AddOn

Technical Overview

Badi :

- Main BAdI: **S4CINT_PO_OUTBOUND_B2B** is created as part of output management to send the PO proxy under the Badi definition SAPS_COM_CA_OM_B2B
- Customer Pre/Post BAdI: **S4CINT_PURCHASEORDER_OUT**

Lean Service Entry Sheet

Inbound Proxy Development

- Asynchronous inbound proxy developed to support Lean & Enhanced SES and it will trigger when supplier creates SES from SBN

Proxy Details

- Service Provider: **ServiceEntrySheetRequest_Async_In**
- Proxy Class: **CL_S4CINT_SERVICE_ENTRY_SHEET**
- Implementation Class: **CL_S4CINT_SES_IMPL** which Uses RAP Interface: I_ServiceEntrySheetTP_2 to Create/Delete SES documents
- Web Service Definition: **ServiceEntrySheetRequest_Asyn1**

Badi :Customer Pre/Post BAdI: **S4CINT_ES_SES_CREATE**

SES Status Response: existing proxy ‘ServiceEntrySheetStsNotif_Out’ is used to sends Create/Approve/Error status updates to SBN via CIG

Interface Type	XSLT File Name
Purchase Order Outbound	MAPPING_ANY_S4HANA_0000_PurchaseOrderRequest_cXML_0000_OrderRequest.xsl
Service Sheet Entry Inbound	MAPPING_ANY_cXML_0000_ServiceEntrySheetLean_AddOn_0000_ServiceEntrySheetRequest.xsl
Incoming Invoice Inbound	MAPPING_ANY_cXML_0000_InvoiceDetailRequestLean_AddOn_0000_invoicerequest.xsl

IG-54359 Supporting Lean Services Procurement Integration between SAP S/4HANA and SAPBusiness Network for Commerce Automation using SAP Integration Suite, managed gateway for spend management and SAP Business Network AddOn

Technical Overview

Lean Incoming Invoice

Inbound Proxy Development

- Asynchronous inbound proxy developed to support Lean & Enhanced Invoice and it will trigger when supplier creates SES from SBN

Proxy Details

- Service Provider: **InvoiceRequest_Async_In**
- Proxy Class: **CL_S4CINT_INVOICE_REQUEST_ASYN**
- Implementation Class: CL_S4CINT_INVOICE_IMPL Uses Function Module 'MRM_INVOICE_CREATE' to create invoice
- Web Service Definition: **InvoiceRequest_Async_In**

Badi :Customer Pre/Post BAdI: **S4CINT_INVOICE_REQUEST_IN**

Invoice Status Update

- Enhanced existing ISU AddOn report: **ARBCIG_INVOICESTATUS_EXPORT** to sends Lean Invoice Status updates to SBN via CIG

Configuration Requirements

- Maintain necessary setup in:
 - **SOAMANAGER**
 - **OPD (Output Parameter Determination) – only for PO**

CIG – XSLT Mappings for New Interfaces

New XSLT Transformations Developed:

Purpose: These XSLTs enable seamless transformation of SAP payloads to **cXML format** for integration with **SBN via CIG**.

Interface Type	XSLT File Name
Purchase Order Outbound	MAPPING_ANY_S4HANA_0000_PurchaseOrderRequest_cXML_0000_OrderRequest.xsl
Service Sheet Entry Inbound	MAPPING_ANY_cXML_0000_ServiceEntrySheetLean_AddOn_0000_ServiceEntrySheetRequest.xsl
Incoming Invoice Inbound	MAPPING_ANY_cXML_0000_InvoiceDetailRequestLean_AddOn_0000_invoicerequest.xsl

IG-54359 Supporting Lean Services Procurement Integration between SAP S/4HANA and SAPBusiness Network for Commerce Automation using SAP Integration Suite, managed gateway for spend management and SAP Business Network AddOn

Technical Overview

Proxy Details

- Service Provider: **InvoiceRequest_Async_In**
- Proxy Class: **CL_S4CINT_INVOICE_REQUEST_ASYNC**
- Implementation Class: CL_S4CINT_INVOICE_IMPL Uses Function Module ‘MRM_INVOICE_CREATE’ to create invoice
- Web Service Definition: **InvoiceRequest_Async_In**

Badi :Customer Pre/Post BAdI: **S4CINT_INVOICE_REQUEST_IN**

Invoice Status Update

- Enhanced existing ISU AddOn report: **ARBCIG_INVOICESTATUS_EXPORT** to sends Lean Invoice Status updates to SBN via CIG

Configuration Requirements

- Maintain necessary setup in:
 - ☐ **SOAMANAGER**
 - ☐ **OPD (Output Parameter Determination) – only for PO**

CIG – XSLT Mappings for New Interfaces

New XSLT Transformations Developed:

Purpose: These XSLTs enable seamless transformation of SAP payloads to **cXML format** for integration with **SBN via CIG**.

Interface Type	XSLT File Name
Purchase Order Outbound	MAPPING_ANY_S4HANA_0000_PurchaseOrderRequest_cXML_0000_OrderRequest.xsl
Service Sheet Entry Inbound	MAPPING_ANY_cXML_0000_ServiceEntrySheetLean_AddOn_0000_ServiceEntrySheetRequest.xsl
Incoming Invoice Inbound	MAPPING_ANY_cXML_0000_InvoiceDetailRequestLean_AddOn_0000_invoicerequest.xsl

Thank you