

Kofax Process Director Accounts Payable Ariba Add-on

Installation and Configuration Guide

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The KOFAX logo is displayed in a bold, blue, sans-serif font. The letters are thick and closely spaced, with a consistent weight throughout. The 'K' and 'F' are particularly prominent due to their size and the sharp angles of their strokes.

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Overview

Kofax Process Director Accounts Payable™ supports the process of document entry into SAP. The aim is to facilitate the automatic posting of error-free data records, as well as to support accounts payable personnel in the process of identifying and amending documents that contain errors. Process Director Accounts Payable is like an invoice entry ledger.

Ariba Network is a cloud-based, business-to-business solution for buying, selling, and managing cash. It is tightly integrated with SAP, but also supports other back-end systems.

You can configure the Kofax Process Director Ariba Add-on to suit the requirements of your organization.

For more information on configuring Kofax Process Director™ and Kofax Process Director Accounts Payable, see the following guides:

- *Kofax Process Director Accounts Payable Configuration Guide*
- *Kofax Process Director Import Guide*
- *Kofax Process Director Configuration Guide*
- *Kofax Work Cycle Configuration Guide*
- *Kofax Process Director Web Application Configuration Guide*

About this guide

This guide explains how to configure the Kofax Process Director Accounts Payable Ariba Add-on for the SAP Business Suite Integration component for Ariba. If you have already transitioned to Ariba CIG, see the *Kofax Process Director Ariba CIG Add-on Installation and Configuration Guide* for instructions on installing and configuring the Kofax Process Director Ariba CIG Add-on. See SAP Note 2705047 for more information on SAP Ariba CIG.

Prerequisites

To import the Process Director Ariba Add-on into SAP, ensure that the following prerequisites are met:

- Integration component: Foundation for Ariba version 1.0, SP4 or higher.
- OSS Note 2086629 - Reference PayloadID of cXML InvoiceStatusUpdateRequest Message cannot be determined to be customer specific (included in SP5 or higher).
- OSS Note 2088996 - InvoiceStatusUpdateRequest: Invoice status determination for FI invoice (included in SP5 or higher).
- Kofax Process Director and Kofax Process Director Accounts Payable 7.5 or higher.
- Using the Ariba integration for Kofax Process Director with Kofax Process Director 7.5 (without any SP) requires RSPDN006274, RSPDN006283, and RSPDN1151923.

Process Director Ariba Add-on transport

The following transport is the Kofax Process Director Accounts Payable Ariba Add-on transport.

Product	Transport	Description
Ariba Integration	Q76K900129	Process Director AP Ariba integration v2.0

See the *Process Director Import and Upgrade Guide* for information on how to import a transport into SAP.

Licensing

You must order a license to activate the Process Director Ariba Add-on. You can only use it when you have activated a valid license. The following guides explain how to install licenses.

- *Kofax Process Director License Installation Guide*
- *Kofax Process Director Configuration Guide*
- *Kofax Process Director Accounts Payable Configuration Guide*

Configuration

This chapter explains how to configure the Process Director Ariba Add-on.

BAdI activation

To use the Process Director Ariba Add-on, you must activate BAdIs: one for the inbound mapping and one for the outbound mapping.

BAdI for inbound mapping

To route Ariba documents to Process Director Accounts Payable, you must activate the inbound mapping BAdI for the SAP Business Suite Integration component for Ariba.

To activate the BAdI for inbound mapping, complete the following steps.

1. Go to transaction **SPRO > SAP Reference IMG**.
2. Go to **Integration with Other mySAP.com Components > SAP Business Suite Integration Component for Ariba > Application-Specific Settings > SAP ERP Integration Component for Ariba > Business Add-Ins (BAdIs) > BAdI: Inbound Mapping**.
3. Activate the Enhancement Implementation with the name `/EBY/CL_RB_INBOUND_MAPPING`.

BAdI for outbound mapping

To send status updates of Process Director Accounts Payable documents to the Ariba Network, you must activate the outbound mapping BAdI for the SAP Business Suite Integration component for Ariba.

To activate the BAdI for outbound mapping, complete the following steps.

1. Go to transaction **SPRO > SAP Reference IMG**.
2. Go to **Integration with Other mySAP.com Components > SAP Business Suite Integration Component for Ariba > Application-Specific Settings > SAP ERP Integration Component for Ariba > Business Add-Ins (BAdIs) > BAdI: Outbound Mapping**.
3. Activate the Enhancement Implementation with the name `/EBY/CL_RB_OUTBOUND_MAPPING`.

Access cXML from User Exits

In cases where the standard mapping in Process Director Accounts Payable is limited, you can use the `/EBY/CL_RB_TOOLS=>GET_DCXML` method to access the Ariba cXML in the User Exits that are called during the data transfer.

The export parameter must be mapped to a variable of the `arberp_xinvc_s_cxml` type.

Example

```
DATA:
  ls_dcxml TYPE arberp_xinvc_s_cxml.

CALL METHOD /eby/cl_rb_tools=>get_dcxml
IMPORTING
  es_dcxml = ls_dcxml.
```

Process Director Ariba Add-on configuration

Use the /EBY/RB transaction to access the IMG for the Process Director Ariba Add-on configuration.

Mandatory configuration

You must complete the following configuration procedures.

Mapping

You must enter a mapping in the /EBY/PDBOC transaction (process type, IV – Incoming invoice). The default mapping is provided in [Appendix A](#), and the default XML mapping is provided in the transport file.

Create the environment

If the RB – ARIBA Integration environment does not exist in SAP, you must create it in the /EBY/PDBOC transaction.

To create the RB – ARIBA Integration environment, complete the following steps.

1. For the **Incoming Invoice object type**, go to **Default system settings > Model > Environments and external data models > Environments**.
2. Enter the following values.

Environment	Environment	Interactive
RB	ARIBA Integration	<space>

3. Save the changes.

Create the external data model

If no external data model has been created for the RB – ARIBA Integration environment, you must create a new model in the /EBY/PDBOC transaction.

To create the new external data model, complete the following steps.

1. For the **Incoming Invoice object type**, go to **Default system settings > Model > Environments and external data models > External data models**.
2. Enter the following values.

Origin	Node ID	Parent	Logical level
RB	DESCRIPTION	INVOICE_DETAIL_ITEM_REFERENCE	ITEM

Origin	Node ID	Parent	Logical level
RB	DUE_AMOUNT	INVOICE_DETAIL_SUMMARY	HEADER
RB	INVOICE_DETAIL_ITEM	INVOICE_DETAIL_ORDER	ITEM
RB	INVOICE_DETAIL_ITEM_REFERENCE	INVOICE_DETAIL_ITEM	ITEM
RB	INVOICE_DETAIL_ORDER	INVOICE_DETAIL_REQUEST	HEADER
RB	INVOICE_DETAIL_ORDER_INFO	INVOICE_DETAIL_ORDER	HEADER
RB	INVOICE_DETAIL_REQUEST	REQUEST	HEADER
RB	INVOICE_DETAIL_REQUEST_HEADER	INVOICE_DETAIL_REQUEST	HEADER
RB	INVOICE_DETAIL_SUMMARY	INVOICE_DETAIL_REQUEST	HEADER
RB	MONEY	DUE_AMOUNT	HEADER
RB	MONEY	NET_AMOUNT	ITEM
RB	MONEY	SHIPPING_AMOUNT	HEADER
RB	MONEY	SPECIAL_HANDLING_AMOUNT	HEADER
RB	MONEY	SUBTOTAL_AMOUNT	HEADER
RB	MONEY	TAX_AMOUNT	TAX
RB	NET_AMOUNT	INVOICE_DETAIL_ITEM	ITEM
RB	ORDER_REFERENCE	INVOICE_DETAIL_ORDER_INFO	HEADER
RB	REQUEST		HEADER
RB	SHIPPING_AMOUNT	INVOICE_DETAIL_SUMMARY	HEADER
RB	SPECIAL_HANDLING_AMOUNT	INVOICE_DETAIL_SUMMARY	HEADER
RB	SUBTOTAL_AMOUNT	INVOICE_DETAIL_SUMMARY	HEADER
RB	TAX	INVOICE_DETAIL_SUMMARY	TAX
RB	TAX_AMOUNT	TAX_DETAIL	TAX
RB	TAX_DETAIL	TAX	TAX
RB	UNIT_OF_MEASURE	INVOICE_DETAIL_ITEM	ITEM

3. Save the changes.

Optional configuration

The following configuration procedures are optional.

Status mapping

The Process Director Accounts Payable statuses must be mapped to the Ariba statuses. The default mapping is delivered with the Process Director Ariba Add-on, but you can customize it.

To map the statuses, complete the following steps.

1. Go to `/EBY/RB1`.

2. Add entries for the Process Director Accounts Payable statuses or change an existing mapping. Allowed Ariba statuses are `processing`, `approved` or `reconciled` (depending on the Ariba version), `rejected`, and `paid`.



Example:

Status	Ariba status
01 Unprocessed	processing
02 Errors	processing
03 Posted	approved
04 Deleted	rejected
05 Partially posted	processing
06 WORK CYCLE	processing
07 Workflow for information	processing
08 Workflow on posted docum...	processing
09 Paid	paid
10 Collective invoice compl...	approved
11 Collective invoice uncom...	processing
13 Rejected	rejected
14 Transferred to PD	rejected
23 Parked	processing

Filter documents

For the Ariba integration, you can filter incoming documents so that only those documents that meet certain criteria are routed to Process Director Accounts Payable.



To filter documents, complete the following steps.

1. Go to the `/EBY/PDBO_EPC_CHECKS` or `/EBY/PDBOC` transaction, process type IV, and select **Initial settings > Process parameters > Checks**.
2. For the **Exclusion configuration for Ariba** process, click **Current parameters** .
3. Enter the following parameters:
 - **Structure:** Select the structure that contains the field for the filter.
 - **Internal field name:** Select the field name for the filter.
 - **Field value:** Enter the field value for the filter criteria.
 - **Exclude:** If selected, documents with this value will be excluded; otherwise, only the documents that have this value will be included.
4. Click **Save** .

Create images


For the Ariba integration, you can generate an image (PDF) from the transferred data.

To generate an image, complete the following steps.

1. Go to the `/EBY/PDBO_EPC_ARCHIV` or `/EBY/PDBOC` transaction, process type IV, and select **Initial Settings** > **Process Parameters** > **Archiving**.
2. For the **Archiving configuration for Ariba** process, click **Current parameters** .
3. Enter the following parameters:
 - **FI/MM**: FI or MM document
 - **Cont.Rep.ID**: Content Repository ID
 - **ArchDocType**: Archive document type
 - **Form**: `/COCKPIT/EDI_FI` or `/COCKPIT/EDI_MM`
4. Click **Save** .

Configuration for SARA archiving

Perform the following steps if you are using SARA archiving.

1. Go to transaction `AOBJ`.
2. Select the `/COCKPIT/S` archiving object.
3. Double-click on **Structure Definitions** and add a new entry:
 - Record No.: 400
 - Parent Segment: `/COCKPIT/THDR`
 - Segment: `/EBY/RBIV_TST`
4. Click **Save** .

Upgrading from 1.0 to 2.0

Ariba integration 2.0 for Process Director Accounts Payable is not compatible with Ariba integration 1.0 for Process Director Accounts Payable.

To upgrade from version 1.0 to 2.0, complete the following steps.

1. Import the transport for Ariba integration 2.0 for Process Director Accounts Payable.
2. Go to transaction **SPRO > SAP Reference IMG > Integration with Other mySAP.com Components > SAP Business Suite Integration Component for Ariba > Application-Specific Settings > SAP ERP Integration Component for Ariba > Business Add-Ins (BAdIs) > BAdI: Inbound Mapping** and deactivate the old BAdI.
3. Go to transaction **SPRO > SAP Reference IMG Integration with Other mySAP.com Components > SAP Business Suite Integration Component for Ariba > Application-Specific Settings > SAP ERP Integration Component for Ariba > Business Add-Ins (BAdIs) > BAdI: Outbound Mapping** and deactivate the old BAdI.

4. Run the /EBY/RB_MIGRATION report.

```

REPORT /eby/rb_migration.

DATA: gt_status TYPE TABLE OF /eby/rbiv_tst,
      gt_status_p TYPE TABLE OF /eby/rbiv_tstp,
      gi_tariba TYPE i,
      gi_taribat TYPE i,
      gi_counter TYPE i.

CALL FUNCTION 'AUTHORITY_CHECK_TCODE'
  EXPORTING
    tcode = '/EBY/PDBOC'
  EXCEPTIONS
    ok = 0
    OTHERS = 1.
IF sy-subrc <> 0.
  MESSAGE e070(/eby/_base) WITH '/EBY/RB'. "No authorization
ENDIF.

SELECT * FROM /cockpit/tariba INTO TABLE gt_status. "#EC CI NOWHERE
SELECT * FROM /cockpit/taribat INTO TABLE gt_status_p. "#EC CI NOWHERE

IF gt_status[] IS INITIAL AND
  gt_status_p[] IS INITIAL.
  MESSAGE s296(01).
ELSE.
  DESCRIBE TABLE gt_status LINES gi_tariba.
  DESCRIBE TABLE gt_status_p LINES gi_taribat.
  gi_counter = gi_tariba + gi_taribat.
  MODIFY /eby/rbiv_tst FROM TABLE gt_status[].
  CHECK sy-subrc = 0.
  MODIFY /eby/rbiv_tstp FROM TABLE gt_status_p[].
  CHECK sy-subrc = 0.
  DELETE /cockpit/tariba FROM TABLE gt_status.
  DELETE /cockpit/taribat FROM TABLE gt_status_p.
  COMMIT WORK AND WAIT.
  MESSAGE s247(ecatt) WITH gi_counter.
ENDIF.

```

This report migrates the data from the Ariba integration 1.0 tables to the Ariba integration 2.0 tables.

5. Perform the steps described in the [configuration](#) section.

Appendix A – Mapping

Origin	Mapping ID	Node ID	Parent	Logical level	Field name	External	Mapping
RB	ARIBA	DESCRIPTION	INVOICE_DET AIL_ITEM M_REFERENCE	ITEM	ITEM_TEXT	CONTENT	N/A
RB	ARIBA	INVOICE_DET AIL_ITEM	INVOICE_DET AIL_ORDER	HEADER	INVOICE_ITEM	INVOICE_LINE_NUMBER	
RB	ARIBA	INVOICE_DET AIL_ITEM	INVOICE_DET AIL_ORDER	HEADER	QUANTITY	QUANTITY	RB_TO_POS
RB	ARIBA	INVOICE_DET AIL_REQUEST	REQUEST	HEADER	ORIGIN		RBORIGIN
RB	ARIBA	INVOICE_DET AIL_REQUEST T_HEADER	INVOICE_DET AIL_REQUEST	HEADER	DOC_DATE	INVOICE_DATE	RBDOCDATE
RB	ARIBA	INVOICE_DET AIL_REQUEST T_HEADER	INVOICE_DET AIL_REQUEST	HEADER	INVOICE_IND	PURPOSE	RBINVIND
RB	ARIBA	INVOICE_DET AIL_REQUEST T_HEADER	INVOICE_DET AIL_REQUEST	HEADER	REF_DOC_NO	INVOICE_ID	
RB	ARIBA	MONEY	DUE_AMOUNT	HEADER	CURRENCY	CURRENCY	
RB	ARIBA	MONEY	DUE_AMOUNT	HEADER	GROSS_AMOUNT	CONTENT	RB_TO_POS
RB	ARIBA	MONEY	NET_AMOUNT	ITEM	ITEM_AMOUNT	CONTENT	RB_TO_POS
RB	ARIBA	MONEY	SHIPPING_AMOUNT	HEADER	FREIGHT_AMOUNT	CONTENT	
RB	ARIBA	MONEY	SPECIAL_HANDLING_AMOUNT	HEADER	PACKAGE_AMOUNT	CONTENT	
RB	ARIBA	MONEY	SUBTOTAL_AMOUNT	HEADER	NET_AMOUNT		RB_TO_POS
RB	ARIBA	MONEY	TAX_AMOUNT	TAX	TAX_AMOUNT		RB_TO_POS
RB	ARIBA	ORDER_REFERENCE	INVOICE_DET AIL_ORDER ER_INFO	HEADER	PO_NUMBER		
RB	ARIBA	TAX_AMOUNT	TAX_DETAIL	TAX	TAX_RATE		
RB	ARIBA	UNIT_OF_MEASURE	INVOICE_DET AIL_ITEM	ITEM	PO_UNIT_ISO		