

Kofax Process Director Accounts Payable Ariba Add-on

Installation and Configuration Guide

Version: 2.0

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Table of Contents

Overview	4
About this guide	4
Prerequisites	4
Kofax Process Director Ariba Add-on transport	5
Importing the transports	5
Licensing.....	5
Configuration.....	6
BAdI activation.....	6
BAdI for inbound mapping	6
BAdI for outbound mapping	6
Access cXML from User Exits	6
Kofax Process Director Ariba Add-on configuration	7
Mandatory configuration	7
Optional configuration	8
Upgrading from 1.0 to 2.0.....	11
Appendix A – Mapping	12

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. Kofax 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, refer to the following guides:

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

About this guide

This document describes how to configure the Kofax Process Director Ariba Add-on 2.0 for the SAP Business Suite Integration component for Ariba. If you have already transitioned to Ariba CIG, see the *Kofax Process Director Accounts Payable Ariba Add-On 3.0 Installation and Configuration Guide* for instructions on installing and configuring the Kofax Process Director Accounts Payable Ariba Add-On 3.0. See SAP Note 2705047 for more information on SAP Ariba CIG.

Prerequisites

To import the Kofax Process Director Ariba Add-on 2.0 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.

Kofax Process Director Ariba Add-on transport

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

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

Importing the transports

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

Licensing

You have to order a license to activate the Kofax Process Director Ariba Add-on. It can be used only when a valid license has been activated. The following guides explain how to install licenses.

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

Configuration

BAdI activation

To use the Kofax Process Director Accounts Payable Ariba Add-on, BAdIs need to be activated; one for the inbound mapping and one for the outbound mapping.

BAdI for inbound mapping

To route Ariba documents to Kofax Process Director Accounts Payable, you need to 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 Kofax Process Director Accounts Payable documents to the Ariba Network, you need to 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 Kofax 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.
```

Kofax Process Director Ariba Add-on configuration

The IMG for the Process Director Ariba Add-on configuration can be accessed through the /EBY/RB transaction.

Mandatory configuration

Mapping

In the /EBY/PDBOC transaction (process type, IV – Incoming invoice), a mapping needs to be entered. The default mapping is provided in [Appendix A](#), and the default XML mapping is provided in the transport file.

Create the environment

In case the RB – ARIBA Integration environment does not exist in SAP, it needs to be created 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, a new model needs to be created 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
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

Origin	Node ID	Parent	Logical level
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

Status mapping

The statuses in Kofax Process Director Accounts Payable need to be mapped to the Ariba statuses. The default mapping is delivered with the Kofax Process Director Ariba Add-on; however, it can be customized.

To map the statuses, complete the following steps.

1. Go to /EBY/RB1.
2. Add entries for the Kofax Process Director statuses or change an existing mapping.

Allowed Ariba statuses are processing, approved or reconciled (depending on the Ariba version), rejected, and paid.

Example


ARIBA Status mapping PD AP

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, it is possible to filter incoming documents, which means that only those documents that meet a certain criteria are routed to Kofax Process Director Accounts Payable.


To filter documents, complete the following steps.

1. Go to the /EBY/PDB0_EPC_CHECKS or /EBY/PDBOC transaction, process type IV, and select **Initial settings → process parameters → Checks**.
2. Search for the process parameter environment, **ARIBA integration**, Action name, **Data Reception**, and click the parameters  icon.
3. The following parameters can be entered:
 - Structure:** Select the structure that contains the field for the filtering.
 - Internal field name:** Select the field name for the filtering.
 - Field value:** Enter the value for the filtering criteria.
 - Exclude:** If selected, documents with this value will be excluded; otherwise, only the documents that have this value will be included.

Create images

For the Ariba integration, it is possible to generate an image (PDF) from the transferred data.

To generate an image, complete the following configuration steps.

1. Go to the /EBY/PDB0_EPC_ARCHIV or /EBY/PDB0C transaction, process type IV, and select **Initial Settings > Process Parameters > Archiving**.
2. Search for the process parameter environment, **ARIBA integration**, and click the parameters  icon.
3. The following parameters can be entered:
 - FI/MM:** FI or MM document
 - Cont.Rep.ID:** Content Repository ID
 - ArchDocType:** Archive document type
 - Form:** /COCKPIT/EDI_FI or /COCKPIT/EDI_MM

Upgrading from 1.0 to 2.0

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

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

1. Import the transport for Ariba integration 2.0 for Kofax 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. **Run the /EBY/RB_MIGRATION report. This report migrates the data from the Ariba integration 1.0 tables to the Ariba integration 2.0 tables.**

```
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.
```

4. 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_DETAIL_ITEM_REFERENCE	ITEM	ITEM_TEXT	CONTENT	
RB	ARIBA	INVOICE_DETAIL_ITEM	INVOICE_DETAIL_ORDER	ITEM	INVOICE_ITEM	INVOICE_LINE_NUMBER	
RB	ARIBA	INVOICE_DETAIL_ITEM	INVOICE_DETAIL_ORDER	ITEM	QUANTITY	QUANTITY	RB_TO_POS
RB	ARIBA	INVOICE_DETAIL_ITEM_REFERENCE	INVOICE_DETAIL_ITEM	ITEM	PO_ITEM	LINE_NUMBER	
RB	ARIBA	INVOICE_DETAIL_REQUEST	REQUEST	HEADER	ORIGIN		RBORIGIN
RB	ARIBA	INVOICE_DETAIL_REQUEST_HEADER	INVOICE_DETAIL_REQUEST	HEADER	DOC_DATE	INVOICE_DATE	RBDODATE
RB	ARIBA	INVOICE_DETAIL_REQUEST_HEADER	INVOICE_DETAIL_REQUEST	HEADER	INVOICE_IND	PURPOSE	RBINVIND
RB	ARIBA	INVOICE_DETAIL_REQUEST_HEADER	INVOICE_DETAIL_REQUEST	HEADER	REF_DOC_NO	INVOICE_ID	
RB	ARIBA	ITEMTAX_DETAIL	ITEMTAX	ITEM	TAX_RATE	PERCENTAGE_RATE	
RB	ARIBA	MONEY	DUE_AMOUNT	HEADER	CURRENCY	CURRENCY	
RB	ARIBA	MONEY	DUE_AMOUNT	HEADER	GROSS_AMOUNT	CONTENT	RB_TO_POS
RB	ARIBA	MONEY	ITEMTAX	ITEM	TAXAMOUNT	CONTENT	
RB	ARIBA	MONEY	NET_AMOUNT	ITEM	ITEM_AMOUNT	CONTENT	RB_TO_POS

Kofax Process Director Accounts Payable Ariba Add-on Installation and Configuration Guide

Origin	Mapping ID	Node ID	Parent	Logical level	Field name	External	Mapping
RB	ARIBA	MONEY	SHIPPING_AMOUNT	HEADER	FREIGHT_AMOUNT	CONTENT	RBSHIPAM
RB	ARIBA	MONEY	SPECIAL_HANDLING_AMOUNT	HEADER	PACKAGE_AMOUNT	CONTENT	
RB	ARIBA	MONEY	SUBTOTAL_AMOUNT	HEADER	NET_AMOUNT	CONTENT	RB_TO_POS
RB	ARIBA	MONEY	TAX_AMOUNT	TAX	TAX_AMOUNT	CONTENT	RB_TO_POS
RB	ARIBA	ORDER_REFERENCE	INVOICE_DETAIL_ORDER_INFO	HEADER	PO_NUMBER	ORDER_ID	
RB	ARIBA	TAX_DETAIL	TAX	TAX	TAX_RATE	PERCENTAGE_RATE	
RB	ARIBA	UNIT_OF_MEASURE	INVOICE_DETAIL_ITEM	ITEM	PO_UNIT	CONTENT	