

ReadSoft PROCESS DIRECTOR

Import Guide

Version: 7.6

Date: 2019-12-05



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Overview

This document explains how to import the Kofax ReadSoft PROCESS DIRECTOR™ transports into your SAP system.

- [ReadSoft PROCESS DIRECTOR transports](#): Which ones to use and the download location.
- Tasks to perform when before upgrading from a previous version of ReadSoft PROCESS DIRECTOR/ INVOICE COCKPIT.
- [Tasks to perform before and after upgrading your SAP system](#).
- [Implementing prerequisite SAP Notes](#).
- [Importing the transport\(s\)](#).
- [Checking the necessary namespace\(s\)](#).
- [Required tasks after importing](#).
- [Troubleshooting information](#).

About ReadSoft PROCESS DIRECTOR transports

There are two ReadSoft PROCESS DIRECTOR transports:

Product	Transport	Description
ReadSoft PROCESS DIRECTOR Accounts Payable™ (formerly INVOICE COCKPIT Suite)	PD AP Transport	Contains the /COCKPIT/ namespace objects Required for Accounts Payable
ReadSoft PROCESS DIRECTOR	PD Transport	Contains the /EBY/ namespace objects Required for all the process types For Accounts Payable, this transport is required <i>in addition</i> to the PD AP Transport.

Transports for different SAP versions

Kofax delivers SAP release version-dependent transports. Confirm that you have received the relevant SAP transports for your SAP release.

Note: From ReadSoft PROCESS DIRECTOR 7.4, only versions from SAP ECC6 and higher are supported.

Contents

This table lists the processes and supplementary products that the transports contain.

Transport	Contents
PD AP Transport	ReadSoft PROCESS DIRECTOR Accounts Payable (formerly INVOICE COCKPIT) ReadSoft WORK CYCLE (SAP parts) (formerly WEB CYCLE) ReadSoft EDI COCKPIT™ ReadSoft Email-based Approval™ (formerly MOBILE APPROVAL) (SAP parts) ReadSoft INFO MAIL™ (SAP parts) ReadSoft REPORTER™ EXTRACTOR
PD Transport	Requisitions Order Confirmations Goods Receipts Payment Approvals Accounts Receivable (formerly Payment Advices) <ul style="list-style-type: none"> • Includes Electronic Bank Statements Customer Orders Financial Postings Master Data: <ul style="list-style-type: none"> • Customer • Vendor • Cost Center • Profit Center • GL Account • Asset Asset Management: <ul style="list-style-type: none"> • Acquisition • Transfer • Retirement Generic Archiving

Location

ReadSoft PROCESS DIRECTOR transports are available on the ReadSoft Lab – SAP Solutions SharePoint site (internal only). For partners and customers, please use the Kofax E-Delivery web service.

Licensing

You must order a license from Kofax to activate ReadSoft PROCESS DIRECTOR. Each process type and supplementary product can only be used if a valid license is activated. For details on installing licenses, see the following guides in the Product Documentation website at:

https://docshield.kofax.com/Portal/Products/en_US/RSPD/RS_Process_Director.htm

- *PROCESS DIRECTOR License Installation Guide*
- *PROCESS DIRECTOR Configuration Guide*

https://docshield.kofax.com/Portal/Products/en_US/RSPDAP/RS_Process_Director_AP.htm

- *PROCESS DIRECTOR Accounts Payable Configuration Guide*

Web Application

When installing a new version of ReadSoft PROCESS DIRECTOR or a service pack, we strongly recommend that you also deploy the latest version of the Web Application with the latest patch.

Upgrading

This section lists the tasks that you need to perform when upgrading to ReadSoft PROCESS DIRECTOR from previous versions.

Note that ReadSoft PROCESS DIRECTOR and ReadSoft PROCESS DIRECTOR Accounts Payable can be upgraded independently of one another, for only all the currently supported versions. Thus, it is possible, for example, to remain with ReadSoft PROCESS DIRECTOR Accounts Payable 7.4, but upgrade other processes to 7.6, and vice versa.

Upgrading ReadSoft PROCESS DIRECTOR Accounts Payable/INVOICE COCKPIT Suite

This section lists required tasks when upgrading from INVOICE COCKPIT Suite 3.2, ReadSoft PROCESS DIRECTOR Accounts Payable 7.1. For information on prerequisite tasks for upgrading from earlier versions of INVOICE COCKPIT Suite, contact [Tech Support](#).

Perform these tasks **immediately after** importing the transports:

- From ReadSoft PROCESS DIRECTOR 7.2, the search help for Web Application (WUM) users was extended to enable searching by email address. In order that this search works for users created in versions of ReadSoft PROCESS DIRECTOR prior to 7.2, you must run the report, /COCKPIT/XPRA_V720_SP0. This report is also required in order that the user-type independent search help on workflow start functions correctly.
- If you upgrade a 7.3 umbrella system to ReadSoft PROCESS DIRECTOR 7.5 or 7.6, you should either upgrade the remote systems to at least 7.4 or install the latest service packs of previous versions. If this is not possible, RSPDN4140 should be implemented on the remote systems.
- If you upgrade from ReadSoft PROCESS DIRECTOR 7.5 to ReadSoft PROCESS DIRECTOR 7.6, check the new tax code determination configuration.

Upgrading ReadSoft PROCESS DIRECTOR

This section lists required tasks when upgrading from a previous version of ReadSoft PROCESS DIRECTOR.

Perform these tasks **immediately after** importing the transports:

- The customization of processes changed slightly in ReadSoft PROCESS DIRECTOR 7.2, with the result that some customizations are obsolete and must be removed. If you use a version of ReadSoft PROCESS DIRECTOR prior to 7.2 and have customized ReadSoft PROCESS DIRECTOR processes, checks, or determinations, you should run the consistency check program `/EBY/PDBO_CHECK_CUST_PROCESS`. This program lists all obsolete customizing entries that must be removed.

PROCESS DIRECTOR - Check Customer Process Configuration

Parameters → Forwards

Customer processes

Exce...	Object	Env.	Action	Event	Event type	Suborder	Event class	Deact.	Developer's or Consultant's comment
☐	SO		CHECKM	CHK_BSET_STATE	8	1	ZEBY_CL_DEMO_EVT_SUBSTATE_SET		
☐	SO		CHECKM	DET	5	1000	/EBY/CL_PDSO_DET_SORG_INIT		*** GENERATED by determination configuration ***
☐	SO		CHECKM	DET	5	1001	/EBY/CL_PDSO_DET_SORG_SP		*** GENERATED by determination configuration ***
☐	SO		CHECKM	DET	5	2000	/EBY/CL_PDSO_DET_PLANT_INIT		*** GENERATED by determination configuration ***
☐	SO		CHECKM	DET	5	2001	/EBY/CL_PDSO_DET_PLANT_MAT		*** GENERATED by determination configuration ***
☐	SO		CHECKM	CHK	5	1	/EBY/CL_PDSO_EVT_CHK_CREATE		*** GENERATED by check configuration ***
☐	SO		CHECKM	CHK	5	2	/EBY/CL_PDSO_EVT_CHK_TEXTS		*** GENERATED by check configuration ***
☐	SO		CHECKM	CHK	5	3	/EBY/CL_PDSO_EVT_CHK_ITEMS		*** GENERATED by check configuration ***
☐	SO		CHECKM	CHK	5	4	/EBY/CL_PDSO_EVT_CHK_HDRNETVAL		*** GENERATED by check configuration ***

Program `/EBY/PDBO_CHECK_CUST_PROCESS` lists obsolete customizing entries

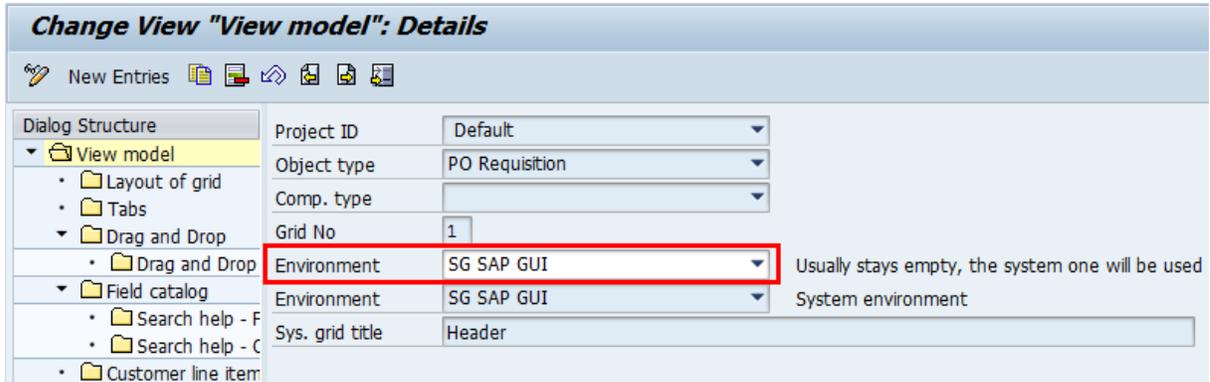
Remove the entries in the appropriate IMG configuration activity. For example, to remove obsolete determination entries, go to **Initial settings > Rules > Determinations** and delete the entries for the corresponding Actions. Similarly, do it for **Initial settings > Rules > Checks**.

Determination selection

Inte...	Envi...	Determination ID	Action	Action	Sub...	Determination description
		/EBY/CL_PDSO_DET_SORG_INIT	CHECK	Check document	1	Sales Order sales organization determination
		/EBY/CL_PDSO_DET_PLANT_INIT	CHECK	Check document	2	Sales Order Plant determination
		/EBY/CL_PDSO_DET_SORG_INIT	CHECKM	Check document(s)	1	Sales Order sales organization determination
		/EBY/CL_PDSO_DET_PLANT_INIT	CHECKM	Check document(s)	2	Sales Order Plant determination
		/EBY/CL_PDSO_DET_CONTACT_INIT	RECFI?	Initial processing	1	Sales Order Contact determination

- With ReadSoft PROCESS DIRECTOR 7.2 Service Pack 3 and 7.3 Service Pack 1, the workflow start action was modified to allow bulk workflow start with manual assignment. If custom checks or actions have been configured for workflow start, these must be redefined on upgrading. In most cases, this involves replacing the action `WCSTRT10CHECK_DOC` with `WCSTART10CHECK_DOC_` and the `WCSTART0CHECK_OWNER` action with `WCSTART0CHECK_OWNER_`. You can run the consistency check program `/EBY/PDBO_CHECK_CUST_PROCESS` to list customizing entries that must be changed. Refer to RSPDN3026 for more information and detailed instructions.

- With ReadSoft PROCESS DIRECTOR 7.4, changes were made to the view model that necessitated adding a new **Environment** field. If you have created customer view models prior to 7.4, you must add an entry in the **Environment** field of these view models.



- In ReadSoft PROCESS DIRECTOR 7.4, the order of events was changed for the *CHECK* and *POST* actions. If you have customized actions or action chains involving *CHECK* and *POST*, you should check after upgrading whether the customized functionality still works correctly. The *CHECK* and *POST* actions have been disabled in the Web Application document list, due to problems when processing multiple documents; checking and posting is now only possible from the document detail view. In the SAP GUI, it is now only possible to check and post for single documents in the document list.

Upgrading SAP

Before upgrading SAP

For ReadSoft PROCESS DIRECTOR 7.6 and ReadSoft PROCESS DIRECTOR Accounts Payable 7.6, there are no prerequisite tasks that need to be performed in relation to an SAP system upgrade or Enhancement Pack (EhP) installation.

If you upgrade an SAP S/4HANA version, it is recommended to upgrade to the latest PROCESS DIRECTOR Service Pack.

After upgrading SAP

After upgrading an SAP installation, perform these tasks in order to ensure the continued smooth running of ReadSoft PROCESS DIRECTOR.

- Upgrade ReadSoft PROCESS DIRECTOR

Kofax strongly recommends upgrading to the latest version of ReadSoft PROCESS DIRECTOR while upgrading an SAP installation. Upgrading ReadSoft PROCESS DIRECTOR will ensure that all functionality will work properly in the new SAP environment. In particular, when you upgrade from a non-Unicode to a Unicode system, you must upgrade ReadSoft PROCESS DIRECTOR, otherwise customizing views cannot be displayed.

- Check license validity

If the SAP installation number and system ID remain the same after the upgrade, the ReadSoft PROCESS DIRECTOR licenses will work as before and no further action is required.

You need new licenses:

- The SAP installation number and/or system ID changes, or
- The SAP system has been upgraded from 4.6C or earlier.

- Review customer-specific customizations

All User Exits and BADIs must be reviewed and tested to confirm they work correctly with the new version of SAP. Their compatibility with Unicode must also be checked. If upgrading to a new version of ReadSoft PROCESS DIRECTOR as well (recommended), this review should form part of the migration plan.

- For information on implementing the relevant SAP notes and hotfixes, see the following links.

- [Implementing prerequisite SAP Notes](#) contains details of relevant SAP notes.
- [Troubleshooting](#) contains fixes for various issues that may arise when installing ReadSoft PROCESS DIRECTOR.

Import procedure

Important: Before importing the ReadSoft PROCESS DIRECTOR transport requests, ensure that the prerequisite SAP notes are implemented in your system. Also, check the [Upgrading](#) chapter for tasks that you may need to perform before importing.

Note: Most of the referenced SAP Notes are for old SAP releases.

Implementing prerequisite SAP Notes

- **Required notes** must be applied if the corresponding process type is used; otherwise, the system may not run.
- **Recommended notes** are not necessary for the system to run, but fix certain minor bugs or enable feature enhancements.

Required SAP notes

[Required notes for all process types](#)

[Required notes for Accounts Payable](#)

[Required notes for Customer Orders](#)

[Required notes for Financial Postings](#)

[Required notes for Master Data Maintenance](#)

[Required notes for Requisitions](#)

All processes: Required notes

This list contains SAP required notes which can be found at <https://support.sap.com/home.html>.

SAP Note #	Issue addressed	Comments	Affected SAP releases
930742	The ReadSoft PROCESS DIRECTOR Worklist configuration transaction uses the new ABAP editor control element (AB4 control).		SAP_BASIS 620-640 Fixed with SAPKB62060 SAPKB64018
1078450	When using the HTML viewer, any CR/LF characters coming from a <textarea> are converted to simple hash signs.		Only SAP_BASIS 620 Fixed with SAPKB62063
1243840	In the dynamic selection screen of the ReadSoft PROCESS DIRECTOR Worklist, selection screen fields with conversion exit (for example, /EBY/PDBO_THDR-NUMBR with NUMC1) result in an error message regarding lower value greater if single value is used.	Only required if the selection screen is configured.	SAP_BASIS 620-640 700-702 and 710-711 Fixed with SAPKB62066 SAPKB64023 SAPKB70018

SAP Note #	Issue addressed	Comments	Affected SAP releases
			SAPKB70103 SAPKB70204 SAPKB71007 SAPKB71101
167229	Short dump DYNPRO_READ_FAILED When you load or generate certain screens, terminations occur.	Adjust profile parameter ztta/dynpro_area	All versions
1539662	The FM ARCHIV_CONNECTION_INSERT terminates with a program error. Without this note, the RFC transfer function module is likely to terminate during execution.		Required in ECC 6.0 Systems Fixed with SAPKB70026 SAPKB70110 SAPKB70209 SAPKB71013 SAPKB71108 SAPKB72006 SAPKB73004 SAPKB73102
869218	Import error " Program /EBY/CL_ICIV_DAO===== CP, Include /EBY/CL_USER_MANAGER===== ==CU: Syntax error in line 000150 The type 'XUPWDSTATE' is unknown."	Required for customers with a low BASIS SP level.	SAP_BASIS 610 SAPKB61046 620 SAPKB62058 640 SAPKB64016 700 SAPKB70006

Accounts Payable: Required notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
1647756	FB60 - Tax on "Basic data" tab page without specifying tax code. In transaction FB60, if the manual tax amount is specified on the "Basic data" tab page without a tax code being entered, the system does not display the amount when you branch to the tax tab page. This causes balance problems (balance is not equal to zero) and the document cannot be posted.		SAP_APPL 600-606 Fixed with SAPKH60021 SAPKH60211 SAPKH60310 SAPKH60411 SAPKH60507 SAPKH60602

SAP Note #	Issue addressed	Comments	Affected SAP releases
1666591	<p>FB60/MIRO – Setting tax on the “Basic data” tab page to not 0.</p> <p>If you do not specify a posting amount for the vendor on the "Basic data" tab page, a tax amount that was entered (or, for example, the tax from the entry from the "Tax" tab page) is set to zero if there is only one tax code.</p> <p>However, the balance is not adjusted.</p> <p>The error does not occur for several tax codes in the expense items because the tax amount is hidden on the "Basic data" tab page.</p>		<p>SAP_APPL 600-606</p> <p>Fixed with</p> <p>SAPKH60022</p> <p>SAPKH60211</p> <p>SAPKH60310</p> <p>SAPKH60411</p> <p>SAPKH60508</p> <p>SAPKH60602</p>
1881279	<p>MM item proposal returns the wrong quantity if the purchase order numbers are not sorted in ascending order.</p>	<p>Only required if SAP Note 1821383 “MIRO/MIGO: wrong values proposed for amount and quantity” has been implemented.</p>	<p>SAP_APPL 600-616</p> <p>600 SAPKH60024</p> <p>602 SAPKH60214</p> <p>603 SAPKH60313</p> <p>604 SAPKH60414</p> <p>605 SAPKH60511</p> <p>617 SAPKH61702</p> <p>606 SAPKH60609</p> <p>616 SAPKH61604</p>
1605537	<p>No BI data for SAPLKACB 0002</p> <p>You have activated General Ledger Accounting (new) and, in the current company code, document splitting. In this case, Note 1137272 provides a coding block on the tax screen SAPMF05A 0312 to enable you to enter split-relevant fields. A batch input session for transaction FB01, in which these fields are not filled, hangs with message 00 344 "No batch input data for screen SAPLKACB 0002".</p>	<p>Only required if SAP Note 1137272 has been implemented.</p>	<p>SAP_APPL 600-606</p> <p>600 SAPKH60020</p> <p>602 SAPKH60210</p> <p>603 SAPKH60309</p> <p>604 SAPKH60410</p> <p>605 SAPKH60506</p> <p>606 SAPKH60601</p>
1327973	<p>FB01/Argentina: BSEG-BUPLA not ready for input.</p>	<p>For Argentina only.</p>	<p>SAP_APPL 600-604</p> <p>600 SAPKH60016</p>

SAP Note #	Issue addressed	Comments	Affected SAP releases
		Required for the Business Place field.	602 SAPKH 60206 603 SAPKH 60305 604 SAPKH 60404
591415 605780 1148218	Error messages when processing invoices for purchase orders with freight conditions.		SAP_APPL 600-604 600 SAPKH60017 602 SAPKH60207 603 SAPKH60306 604 SAPKH60406

Customer Orders: Required notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
1761277	<p>Missing profitability segments since EPH5 or SAP Note 12877794.</p> <p>During sales order creation check several short dumps are generated at the same time:</p> <p>CALL_FUNCTION_NOT_REMOTE SAPLKED1_WRITE_CE4_IDEA MESSAGE_TYPE_X SAPMSSY0 MESSAGE_TYPE_X RK2AIDEA_POST</p> <p>Caution: You have to perform this post-implementation step manually and separately in each system after you have imported the Note to implement.</p> <p>Immediately after you implement the source code corrections, execute the function module RKE_GENERATE_UPD for the operating concern that you use.</p>	Only required if these short dumps are generated.	<p>SAP_APPL 605-616</p> <p>Fixed with</p> <p>SAPKH60510 SAPKH60512 SAPKH60607 SAPKH60611 SAPKH61602 SAPKH61606 SAP_FIN 617-700</p> <p>Fixed with</p> <p>SAPK-61704INSAPFIN SAPK-70001INSAPFIN</p>

Financial Postings: Required notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
1605537	<p>No BI data for SAPLKACB 0002</p> <p>You have activated General Ledger Accounting (new) and, in the current company code,</p>	Only required if SAP Note 1137272 has been implemented.	<p>SAP_APPL 600-606</p> <p>600 SAPKH60020 602 SAPKH60210 603 SAPKH60309 604 SAPKH60410</p>

SAP Note #	Issue addressed	Comments	Affected SAP releases
	<p>document splitting. In this case, Note 1137272 provides a coding block on the tax</p> <p>screen SAPMF05A 0312 to enable you to enter split-relevant fields. A batch input</p> <p>session for transaction FB01, in which these fields are not filled, hangs with message</p> <p>00 344 "No batch input data for screen SAPLKACB 0002".</p>		<p>605 SAPKH60506</p> <p>606 SAPKH60601</p>

Master data maintenance: Required notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
1537561	When asset master data is deleted in ReadSoft PROCESS DIRECTOR, the asset is not deleted, but no error message is displayed.		<p>SAP_APPL 604-605</p> <p>And Note 1455659</p> <p>Fixed with</p> <p>SAPKH60409</p> <p>SAPKH60504</p>
1706458	Error message AA592 "Depreciation key has fewer depreciation types than previously valid key" during post/check.		<p>SAP_APPL 600-616</p> <p>And Note 1491266</p> <p>Fixed with</p> <p>SAPKH60024</p> <p>SAPKH60214</p> <p>SAPKH60312</p> <p>SAPKH60413</p> <p>SAPKH60510</p> <p>SAPKH60607</p> <p>SAPKH61602</p>
1578624 1574641	In ECC 6.00, during profit center deletion there is an error message "Profit centers are used in new General Ledger Accounting" (FAGL_LEDGER_CUST155).		<p>SAP_APPL 600-605</p> <p>Fixed with</p> <p>SAPKH60020</p> <p>SAPKH60210</p> <p>SAPKH60309</p> <p>SAPKH60410</p> <p>SAPKH60505</p>

SAP Note #	Issue addressed	Comments	Affected SAP releases
1770717	After implementing OSS note 1754448 (Incorrect bank data can be copied), bank data with partner type (BVTYP) is not correctly updated and there is no error message.	Only required if SAP Note 1754448 has been implemented.	SAP_APPL 600-616 Fixed with SAPKH60023 SAPKH60213 SAPKH60312 SAPKH60413 SAPKH60510 SAPKH60606 SAPKH61601
2706149	When you create a customer or vendor using CMD_EI_API or VMD_EI_API, the corresponding business partner is not created.	Required for API posting with activated business partner	SAP_APPL 600-618 S4CORE 100-103 Fixed with SAPK-10008INS4CORE SAPK-10106INS4CORE SAPK-10204INS4CORE SAPK-10301INS4CORE SAPKH60031 SAPKH60221 SAPKH60320 SAPKH60421 SAPKH60518 SAPKH60623 SAPKH61613 SAPKH61718 SAPK-61812INSAPAPPL
2742999	Maintain method of Class VMD_EI_API/CMD_EI_API does not create the Business Partner Address data	Required for API posting with activated business partner	SAP_ABA 701-75E
2849782	In T-code BP, role FLCU00, when switching from Company Code data to General Data, a dump occurs.	Required for API posting with activated business partner	All versions

Requisitions: Required notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
1160754	Update termination with K_OPEN_ITEM_POST when BAPI is called in simulation mode several times. Short dump K_OPEN_ITEM_POST.		SAP_APPL 600-604 Fixed with SAPKH60016 SAPKH60206 SAPKH60305 SAPKH60404
305785	Recheck an already checked 'OK' document in display mode. Error: Update termination module K_OPEN_ITEM_POST. Short dump RAISE_EXCEPTION -- > Exception condition "TEMP_REFBN_COOI" raised.	Only required if SAP Note 100409 has been implemented.	All versions
891356	Change mode: A change to an already checked OK document (for example, remove doc type) leads to a short dump RAISE_EXCEPTION -> Exception condition "FAILURE" raised in CL_HANDLE_MANAGER_MM METHOD get.	Only required for unpatched ECC6 systems (without EhP).	SAP_APPL 600 Fixed with SAPKH60003
394058	BAPI_REQUISITION and Commit Work. According to the general design guidelines, a Commit Work must not be triggered in the BAPI itself. However, this is not the case for BAPI_REQUISITION_DELETE, BAPI_REQUISITION_CREATE, BAPI_REQUISITION_CHANGE and other purchase requisition BAPIs. For upward compatibility reasons, this design error cannot be corrected. Therefore, we provide a consulting note containing a correction that you can use in specific cases.	Only required if requisitions will be created in SAP. Not required if only purchase orders will be created in SAP.	All versions

SAP Note #	Issue addressed	Comments	Affected SAP releases
856741	OCI catalog popup support in SAP GUI. Link in HTML Viewer displays 'HTTP 500 Internal Server Error'.	Only required if using OCI catalogs.	SAP_BASIS 620-700 Fixed with SAPKB62055 SAPKB64014 SAPKB70004

Recommended SAP notes

[Recommended notes for all process types](#)

[Recommended notes for Delivery Notes](#)

[Recommended notes for Accounts Payable](#)

[Recommended notes for Asset Management](#)

[Recommended notes for Customer Orders](#)

[Recommended notes for Financial Postings](#)

[Recommended notes for Requisitions](#)

[Recommended notes for Master Data Maintenance](#)

All processes: Recommended notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
1451769 1560955	Required to enable file descriptions for attachments (only available from ECC600).	Both notes must be implemented and in transaction OAG1 the Save File Attribute flag must be set.	SAP_BASIS 700-731 Fixed with SAPKB70028 SAPKB70113 SAPKB70213 SAPKB73009 SAPKB73106 SAP_BASIS 700-702 Fixed with SAPKB70024 SAPKB70109 SAPKB70208
2596759	When there is foreign currency with anything other than two decimal points in the purchase order, using BAPI_PO_GETDETAIL1 to get the PO data leads to incorrect POHISTORY data.		All versions

Delivery Notes: Recommended notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
1050944	Goods Receipt for inbound delivery using inventory management, as of ECC 6.00.		SAP_APPL 600-606 Fixed with SAPKH60015 SAPKH60205 SAPKH60304 SAPKH60402
1974552	Canceling a Goods Receipt in the feeder system by using the VL09 transaction leads to the runtime error, GETWA_NOT_ASSIGNED.	Required only if SAP Note 1928615 has been implemented.	Fixed with SAPK-90720INSLPI SAPK-90820INSLPI SAPK-90920INSLPI SAPK-90A20INSLPI

Accounts Payable: Recommended notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
1650443	Use of Perform or Post function creates short dump with error CALL_TRANSACTION_USING_NESTED		Check Kernel version according to the list in SAP note

Asset Management: Recommended notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
1569937	Error message no. B1537 during posting/checking: BAPIACAM1X_MAX_DE-WAERS initial v., currency amount & in & was transferred without a currency.		SAP_APPL 600-605 Fixed with SAPKGPFD20 SAPK-60309INEAFINSRV SAPK-60410INEAFINSRV SAPK-60505INEAFINSRV

Customer Orders: Recommended notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
699533	No message from BAPI SALESDOCUMENT_CREATE if the credit limit is exhausted	Only required if EA-RETAIL is used	EA-RETAIL 110 and 200 Fixed with SAPKGPRA17 SAPKGPRB06

Financial Postings: Recommended notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
1486149	Short dump during FI/FIC reversal due to missing function module "GM_DOCUMENT_REVERSE".	Prerequisite is Note 1608790	SAP_APPL 500-606 600 SAPKH60019 602 SAPKH60208 603 SAPKH60307 604 SAPKH60408 605 SAPKH60502

Requisitions: Recommended notes

SAP Note #	Issue addressed	Comments	Affected SAP releases
1008717	OCI catalog: Checkout in SAPGUI Only partial data is transferred back to ReadSoft PROCESS DIRECTOR from the OCI catalog.	Only required if using an OCI catalog.	SAP_BASIS 620-700 Fixed with SAPKB62062 SAPKB64020 SAPKB70011
1355577	BAPI_PO_CREATE1: Runtime problems when calling RTTS Performance problems occur when you call BAPI_PO_CREATE1 and/or BAPI_PO_CHANGE. ECC 600 Ehp4		SAP_APPL 604 Fixed with SAPKH60404
1108045	Performance improvement for archiving object MM_EBAN		SAP_APPL 600-603 Fixed with SAPKH60012 SAPKH60202 SAPKH60301

Master Data Maintenance: Recommended note

SAP Note #	Issue addressed	Comments	Affected SAP releases
639754	<p>For vendor or customer master, this note enables the use of the API posting process, instead of the IDOC posting process.</p> <p>You can simulate the posting process only with API, but if the number buffering for internal number ranges has been deactivated, the system uses at least one customer number.</p> <p>If the number buffering has been activated, the system uses all the buffered numbers.</p>		Release independent

Importing the transports

Note: Before importing, make sure you have checked the [prerequisite SAP Notes](#) and the [Upgrading](#) chapter for tasks that you may need to perform before importing.

Warning: Import the transports one at a time. If a return code greater than 4 is returned after importing a transport, do not import any further transport requests! Contact [Tech Support](#) for assistance and provide details of the return code.

The import can be done into any client.

Note: In systems with Enhancement Pack 5 and later, you may get the error message “*n of n requests do not match the component version of the target system*” when trying to import the ReadSoft PROCESS DIRECTOR transports, and the import cannot be carried out. If this happens, activate the **Ignore Invalid Component Version** import option in the Import Transport Request dialog box. See SAP Note 1742547 for more information.

The screenshot shows the 'Import Transport Request' dialog box. The 'Options' tab is selected, and the 'Ignore Invalid Component Version' checkbox is checked. The other options are unchecked.

Option	Status
Leave Transport Request in Queue for Later Import	Unchecked
Import Transport Request Again	Unchecked
Overwrite Originals	Unchecked
Overwrite Objects in Unconfirmed Repairs	Unchecked
Ignore Non-Permitted Transport Type	Unchecked
Ignore Non-Permitted Table Class	Unchecked
Ignore Predecessor Relations	Unchecked
Ignore Invalid Component Version	Checked

To import the transports, complete the following steps.

1. Extract the ZIP file in the SAP transport folder (... \TRANS).
2. The transport files are already in the correct *COFILES* and *DATA* subfolders.

If it is not possible to extract the transport files directly into the SAP transport folders (for example, because there is no direct access to the file system on the SAP application server), you have to use a binary method to transfer the files (for example, FTP). See OSS note 2050.

3. Start SAP transaction STMS (or use the command line using the TP program).
4. Open the import queue of the SAP system.
5. Go to **Extras > Other requests > Add**.

6. Add the required transport requests one by one to the import queue in the order listed below.

Warning: Import the transports one at a time. If a return code greater than 4 is returned after importing a transport, do not import any further transport requests! Contact [Tech Support](#) for assistance and provide details of the return code.

If you get other import errors, see the [Reading the import log](#) and [Troubleshooting](#) sections.

Service Packs

When importing service packs you only need to import the most recent service pack. Later service packs always include previous service packs. Therefore, for example, if you want to upgrade to Service Pack 3, you do not need to import Service Packs 1 and 2 first, as these are included in Service Pack 3.

Service packs do not, however, include the main transport. You must always import the main transport before importing a service pack.

ReadSoft PROCESS DIRECTOR

New installation

Warning: Import the transports one at a time. If a return code greater than 4 is returned after importing a transport, do not import any further transport requests. Contact [Tech Support](#) for assistance and provide details of the return code.

Import order	Transport
1	ReadSoft_PROCESS_DIRECTOR_AP_7_6*.zip This is the main transport for Accounts Payable.
2	READSOFT_INVOICE_COCKPIT_Create_Indexes_*.zip This transport creates the indexes required for ReadSoft PROCESS DIRECTOR Accounts Payable. Indexes must be activated after import. See Importing and activating indexes for instructions. This transport is not required when a HANA database is in use.
3	READSOFT_PROCESS_DIRECTOR_Namespace_EBY.zip This transport creates the /EBY/ namespace. Make sure that the namespace is activated after importing.
4	READSOFT_PROCESS DIRECTOR 7.6 *.zip This transport provides components for the integration of Accounts Payable in ReadSoft PROCESS DIRECTOR and use of the ReadSoft PROCESS DIRECTOR Web Application, as well as other process types.
Optional	READSOFT_WEB_CYCLE_PDF_Form_*.zip This transport is required only if you use the old style <code>SAPSCRIPT</code> form to archive notes in the HTML format in the <code>/COCKPIT/WI8</code> transaction. You have to import the transport into client 000.

Note: If additional components are used (for example, Business Solution Package, Data Import), these should be imported after all the other transports.

Upgrade

See [Upgrading](#) first for tasks that you may need to perform before or after importing.

Warning: Import the transports one at a time. If a return code greater than 4 is returned after importing a transport, do not import any further transport requests. Contact [Tech Support](#) for assistance and provide details of the return code.

Import order	Transport	Optional
1	ReadSoft_PROCESS_DIRECTOR_AP_7_6*.zip This is the main transport for Accounts Payable.	
2	READSOFT_PROCESS DIRECTOR 7.6 * .zip This transport provides components for the integration of Accounts Payable in ReadSoft PROCESS DIRECTOR and use of the ReadSoft PROCESS DIRECTOR Web Application, as well as other process types.	X

Languages

The languages listed in the *PROCESS DIRECTOR Product availability and GUI Languages* document are delivered with ReadSoft PROCESS DIRECTOR 7.6.

If a required language is not available in the standard delivery, contact your Kofax representative or [Tech Support](#) for assistance.

Reading the import log

Any warnings issued (return code 4) during the import can be ignored.

Important: If you get a return code greater than 4, do not import any further transport requests! Contact [Tech Support](#) for assistance and provide details of the return code.

Note: Even if errors or aborts occur during the import, this has no adverse effect on your SAP system!

See the [Troubleshooting](#) section for other information on other import errors.

Checking the namespace

The namespace should have already been created and activated, but we recommend that you check these settings.

Note: For new installations, the /COCKPIT/ namespace should be manually created.

To check the namespace settings, complete the following steps.

1. Start the SE03 SAP transaction.
2. In the **Administration** folder, double-click **Display/Change Namespaces** and then the **Execute** button.

3. The namespace(s) should be defined as follows:

Namespace	/COCKPIT/ (*)
Namespace role	C – Recipient
Correction license	13375972671823267744
Short text	PROCESS DIRECTOR - ReadSoft AG - Germany, Frankfurt/M
Owner	ReadSoft AG

(*) The /COCKPIT/ namespace is only required for Accounts Payable.

Namespace	/EBY/
Namespace role	C - Recipient
Correction license	05790374410114137903
Short text	PROCESS DIRECTOR - ReadSoft AG - Germany, Frankfurt/M
Owner	ReadSoft AG

After importing the transports

After importing the transports, execute the SAP load generator (transaction SGEN).

Executing the load generator

To execute the load generator, complete the following steps.

1. Go to SGEN.
2. Select **Generate the objects of a transport request** and click **Continue**.
3. Select the ReadSoft PROCESS DIRECTOR transport request.
4. Click the **Execute**  button.

Setting the buffer size

To set the buffer size, complete the following steps.

1. Go to RZ11.
2. Enter the parameter **abap/buffersize** and click **Display**.

- We recommend a value of 400000 or higher. Ask the SAP system administrator to increase the value, if necessary. This requires a restart of the SAP system.

Display Profile Parameter Attributes	
Documentation	
Param. Name	abap/buffersize
Short description(Engl)	Program Buffer Size
Appl. area	ABAP
ParameterTyp	Integer value
Changes allowed	Change permitted
Valid for oper. system	All operating systems
Minimum	0
Maximum	0
DynamicallySwitchable	<input type="checkbox"/>
Same on all servers	<input type="checkbox"/>
Dflt value	300000
ProfileVal	400000
Current value	400000

Installing licenses

To install the licenses you have been provided, which are text files, execute one of the following transactions.

- For Accounts Payable and its supplementary products in transaction /COCKPIT/C46.
- For other ReadSoft PROCESS DIRECTOR processes in transaction /EBY/PD_LICENSES.

See the *PROCESS DIRECTOR License Installation Guide* for detailed information.

Importing and activating indexes for PD AP performance optimization

This section describes how to import and activate indexes to optimize the performance of ReadSoft PROCESS DIRECTOR Accounts Payable. It is not required if a HANA database is in use.

ReadSoft PROCESS DIRECTOR Accounts Payable contains indexes to support the current selection screen, scheduled reports and other developments. Activation of indexes is project specific. This saves database space because indexes are activated only when they will be used in a ReadSoft PROCESS DIRECTOR Accounts Payable installation.

If you have a version of INVOICE COCKPIT that uses old indexes (that is, a version prior to version 2.4.2 SP76), you should migrate to the new indexes.

Installation and activation of indexes requires the following steps. Make sure that the [prerequisites](#) are fulfilled, and then complete the following steps.

1. Only for existing installations that still use old indexes: [delete the old indexes](#).
2. [Import the new indexes into the development system](#).
3. [Activate the indexes in the development system](#). The indexes must be explicitly activated so that they take effect.
4. [Import the indexes into the test/QA system and production system](#).

Note: Importing and activating indexes only has to be done once. There is no need to perform this task again after an upgrade.

Index types

There are three types of indexes available for performance optimization.

Type 1

Indexes for optimizing performance with the /COCKPIT/1, /COCKPIT/2, /COCKPIT/WL1, /COCKPIT/WL2 and /COCKPIT/WL3 transactions.

Name	Short description	Status	Mandatory/optional
S01	Company code (COMP_CODE)	Inactive	Optional. Can be activated if the project uses more than one company code in ReadSoft PROCESS DIRECTOR Accounts Payable.
S02	Currency (CURRENCY)	Inactive	Optional. Can be activated if the project uses more than one currency code in ReadSoft PROCESS DIRECTOR Accounts Payable.
S03	Vendor (VENDOR_NO)	Inactive	Mandatory. Must be activated.
S04	Document date (DOC_DATE)	Inactive	Mandatory. Must be activated.

Name	Short description	Status	Mandatory/optional
S05	Purchasing Document Number (PO_NUMBER)	Inactive	Mandatory. Must be activated.
S06	Document number of an invoice document (SAP_DOC_NO)	Inactive	Mandatory. Must be activated.
S07	Reference document number (REF_DOC_NO)	Inactive	Mandatory. Must be activated.
S08	Agent (CR_USER)	Inactive	Optional/mandatory. Optional: Can be activated if the project uses Agent to assign ReadSoft PROCESS DIRECTOR Accounts Payable documents to special uses. Mandatory: If a project uses the COCKPIT/WL1, /COCKPIT/WL2 and /COCKPIT/WL3 transactions, this index must be activated.
S09	Transfer date (CR_TIMESTAMP)	Inactive	Mandatory. Must be activated.
S10	Cockpit document number (DOCNO)	Inactive	Mandatory. Must be activated.
S11	Cockpit document type (CP_DOC_TYPE)	Inactive	Optional. Can be activated if the project uses more than one ReadSoft PROCESS DIRECTOR Accounts Payable document type.

Type 2

Indexes for optimizing performance with the /COCKPIT/PAYMENT_CONTROL report.

Name	Short description	Status	Mandatory/optional
P01	Only PAYMENT_CONTROL (AUGBL)	Inactive	Mandatory for payment control report. Must be activated if the project uses the COCKPIT/PAYMENT_CONTROL scheduled report to update the payment information in ReadSoft PROCESS DIRECTOR Accounts Payable.

Type 3

Indexes for optimizing performance with project-specific requirements. These indexes will be locally created as a part of the normal project activity.

Name	Short description	Status
Z??	Xxx	Inactive
Y??	Xxx	Inactive

Prerequisites

- The /COCKPIT/ namespace must be configured as described in the chapter [Creating/checking the namespace](#).
- The /COCKPIT/ namespace must be set to Modifiable as described in the chapter [Creating/checking the namespace](#).
- The Workbench/Transport organizer must be given authorization. See the [Authorizations](#) section for information on the required authorizations.

All the steps in this chapter must be performed by the responsible Database Administrator. When migrating to new indexes, some steps can create a huge amount of database load, which can slow down the system. Those steps should be done during a period that does not have a normal production load.

Deleting old indexes

This step is only required for installations that use old indexes.

Existing indexes can be manually deleted in transaction SE11, or can be automatically deleted by importing a transport request provided by [Tech Support](#).

The deletion of indexes can free a lot of space on the database. Old indexes normally use as much space as the table entries in /COCKPIT/THDR.

Indexes must be deleted in all the systems (development, test/QA, production).

Delete the following indexes from the /COCKPIT/THDR table in SE11.

Name	Short description
BEL	Via the SAP document number
DOC	Index of the document numbers
KRE	Via vendors
PAY	Index of the clearing document
PO	Via the PO number
TST	Via the time of creation
USR	Index of users

Name	Short description
Any Z?? or Y??	Any custom indexes

Alternatively, import one of the following transports into your system. Select the appropriate transport for your SAP version. When upgrading ReadSoft PROCESS DIRECTOR Accounts Payable, this transport should be imported before all other transports (except the /EBY/ namespace transport). See [Importing the transports](#) for more information.

Request	User	
DR6K901389	READSOFT	INVOICE COCKPIT Delete Legacy Indexes ERP 6.0

Importing indexes into the development system

The transport requests in the table below contain a set of necessary indexes for the /COCKPIT/THDR table. Import the appropriate transport request for your SAP version into the development system.

Request	User	Short description
DR6K901390	READSOFT	INVOICE COCKPIT Create Indexes ERP 6.0

Activating indexes

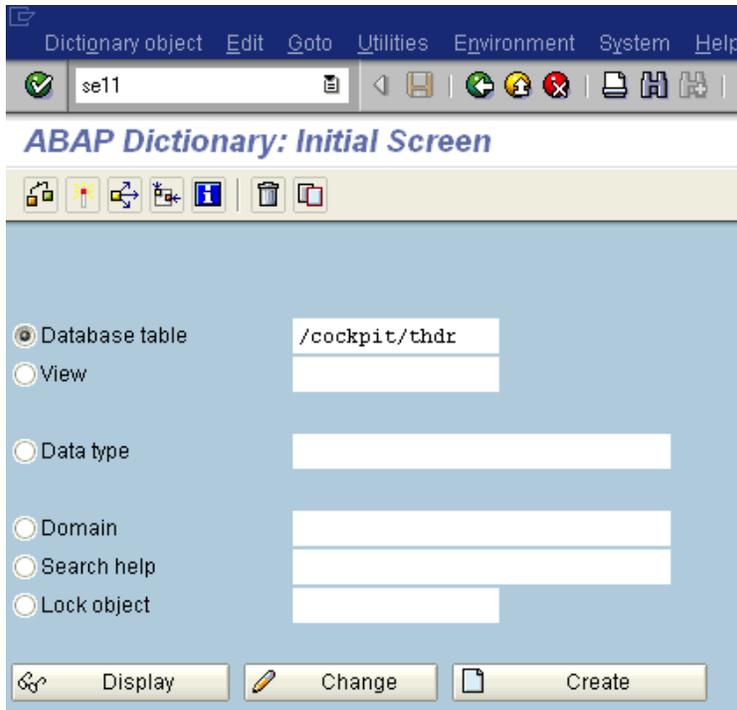
Index activation must be done in the development system, imported into a test/QA system, and then into a production system. The activation of indexes is a repair, so this will create a local transport request. Local transport requests need to be released after all the indexes have been activated. You need to create a **Transport of Copies** and include the local transport requests to import the indexes into successor systems.

If you migrate from old indexes to new indexes, this step can create a huge amount of database load. The installed ReadSoft PROCESS DIRECTOR Accounts Payable already contains data, so the database not only has to create the new indexes, but also calculate the index entries for the existing entries in the COCKPIT/THDR table. All the steps in this chapter need to be performed by the responsible Database Administrator.

To activate an index in the /COCKPIT/THDR table, complete the following steps.

1. Open the SE11 transaction.
2. Set the **Database table** to /COCKPIT/THDR.

3. Click **Display** .



4. Click **Indexes** .

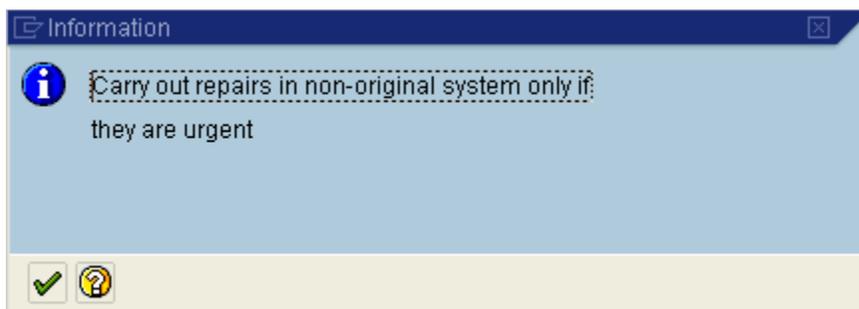
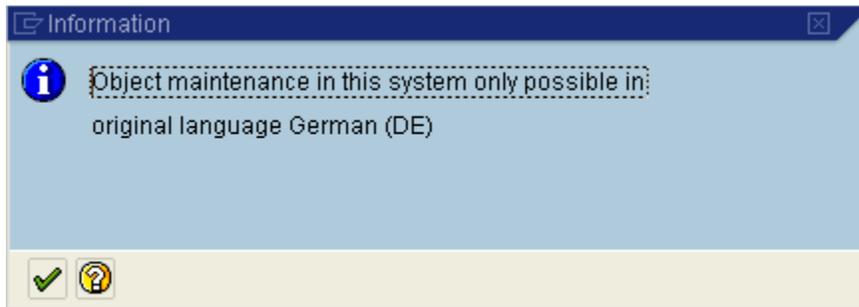


- Double-click an index to activate it.

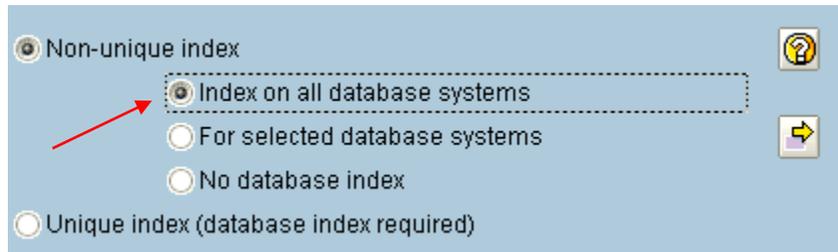
Name	Unique	Short description	Status
P01	<input type="checkbox"/>	Only PAYMENT_CONTROL (AUGBL)	Active
S01	<input type="checkbox"/>	Company code (COMP_CODE)	Active
S02	<input type="checkbox"/>	Currency (CURRENCY)	Active
S03	<input type="checkbox"/>	Vendor (VENDOR_NO)	Active
S04	<input type="checkbox"/>	Document date (DOC_DATE)	Active
S05	<input type="checkbox"/>	Purchasing Document Number (PO_NUMBER)	Active
S06	<input type="checkbox"/>	Document number of an invoice document (SAP_DOC_NO)	Active
S07	<input type="checkbox"/>	Reference document number (REF_DOC_NO)	Active
S08	<input type="checkbox"/>	Agent (CR_USER)	Active

Buttons: Choose, [New], [Delete], [Close]

- Click the **Display/Change**  button, and then click the **Continue (Enter)**  button for each of the **Information** pop-up messages.



7. Under **Non-unique index**, select **Index on all database systems**.



8. Save the changes and create/choose a Workbench request.



9. The Workbench request cannot have an entry set in the **Target** field.

10. Save the changes. If there are already a lot of documents in ReadSoft PROCESS DIRECTOR Accounts Payable, this step can take several minutes or even hours.

The index will be active after Step 10 has been completed and changes have been saved.

Importing indexes into the test/QA and production systems

If you migrate from old indexes to new indexes, this step can create a huge amount of database load. The installed ReadSoft PROCESS DIRECTOR Accounts Payable already contains data, so the database not only has to create new indexes, but also calculate the index entries for the existing entries in the COCKPIT/THDR table. The procedures in this section should be performed by a Database Administrator.

There are two transport requests:

- TR1K905245 INVOICE COCKPIT Delete Legacy Indexes (only required for installations that use old indexes)
- TSTK123456 Transport of Copies from the development system with activated indexes (Replace TSTK123456 with the correct transport request number.)

Both transports must be imported to the test/QA and production systems. The old **DOC** index and the new **S10** index use the same fields. Be careful with the transport order. The **DOC** index needs to be deleted before the **S10** index is created.

The database statistics should be refreshed with the DB20 transaction or via database tools after the import.

Space calculation

The table below contains the length of each delivered index.

Name	Short description	Length
P01	Only PAYMENT_CONTROL (AUGBL)	53
S01	Company code (COMP_CODE)	68
S02	Currency (CURRENCY)	69
S03	Vendor (VENDOR_NO)	53
S04	Document date (DOC_DATE)	51
S05	Purchasing Document Number (PO_NUMBER)	53
S06	Document number of an invoice document (SAP_DOC_NO)	53
S07	Reference document number (REF_DOC_NO)	59
S08	Agent (CR_USER)	80
S09	Transfer date (CR_TIMESTAMP)	64
S10	Cockpit document number (DOCNO)	57
S11	Cockpit document type (CP_DOC_TYPE)	66

$(i1 + i2 + \dots + in) * (\text{row count of table, /COCKPIT/THDR}) = \text{required space to store indexes}$

The DDIC size of the /COCKPIT/THDR table is 872. Most fields are from type, VARCHAR2, and some fields are normally empty. The real size of a /COCKPIT/THDR entry on the database is ~527. Mandatory indexes total to 390. Old indexes (BEL, DOC, KRE, PAY, PO, TST and USR) total to 477.

These figures are only a clue to calculate the required space of indexes. The calculation must be balanced with the transaction, DB02 > Detailed analysis and real measurement of the used space on the database.

Example:

Table /COCKPIT/THDR has 10,000 entries.

Table size on database: ~ 10000 * 527 = 5270000

Index size on database: ~ 10000 * 390 = 3900000

Total size on database: ~ 5270000 + 3900000 = 9170000

Old size on database: ~ 10000 * (527 + 477) = 10040000

Authorizations

The following authorizations are required to activate indexes.

Object	Values
S_TCODE	TCD=SE11
S_TCODE	TCD=SE11_OLD
S_DEVELOP	ACTVT=03 DEVCLASS= OBJNAME= OBJTYPE= P_GROUP=
S_DEVELOP	DEVCLASS=/COCKPIT/PROCESS OBJTYPE=TABL OBJNAME=/COCKPIT/THDR P_GROUP= ACTVT=03
S_DEVELOP	DEVCLASS=/COCKPIT/PROCESS OBJTYPE=TABL OBJNAME=/COCKPIT/THDR P_GROUP= ACTVT=02
S_DEVELOP	DEVCLASS=/COCKPIT/PROCESS OBJTYPE=INDX OBJNAME=/COCKPIT/THDR P_GROUP= ACTVT=02
S_DEVELOP	DEVCLASS= OBJTYPE=INDX OBJNAME=/COCKPIT/THDR P_GROUP= ACTVT=07
S_DEVELOP	DEVCLASS=/COCKPIT/PROCESS OBJTYPE=INDX OBJNAME=/COCKPIT/THDR P_GROUP= ACTVT=41

Troubleshooting

ReadSoft PROCESS DIRECTOR Accounts Payable

Import errors

During the import you may get an import error. Use the following instructions to assist in solving import errors you may encounter. For additional assistance, content [Tech Support](#).

If a specific structure cannot be activated during the import, please check the structure in the SE11 transaction. It could be that a field from a Customer Include is now a part of the standard structure. In such a case, remove that field from the Customer Include and test if you can activate the structure.

Other problems

- If you encounter the following problems:
 - Images cannot be opened in docking mode in the SAP GUI
 - Images cannot be opened in the Web Application

Change the settings in the /COCKPIT/C21 transaction to **Y- first archive (image data), then Web server (URL)**.

These problems may arise because this configuration table is now different from the version of PD AP/INVOICE COCKPIT you are upgrading from.

- If you get a license error (license not valid) after upgrading to ReadSoft PROCESS DIRECTOR Accounts Payable, delete the entries in /COCKPIT/C46 and re-enter them.

ReadSoft PROCESS DIRECTOR

Import errors

If the log display shows errors about objects that cannot be activated, the PD AP transport was not imported.

Solution: [Import the PD AP transport](#).

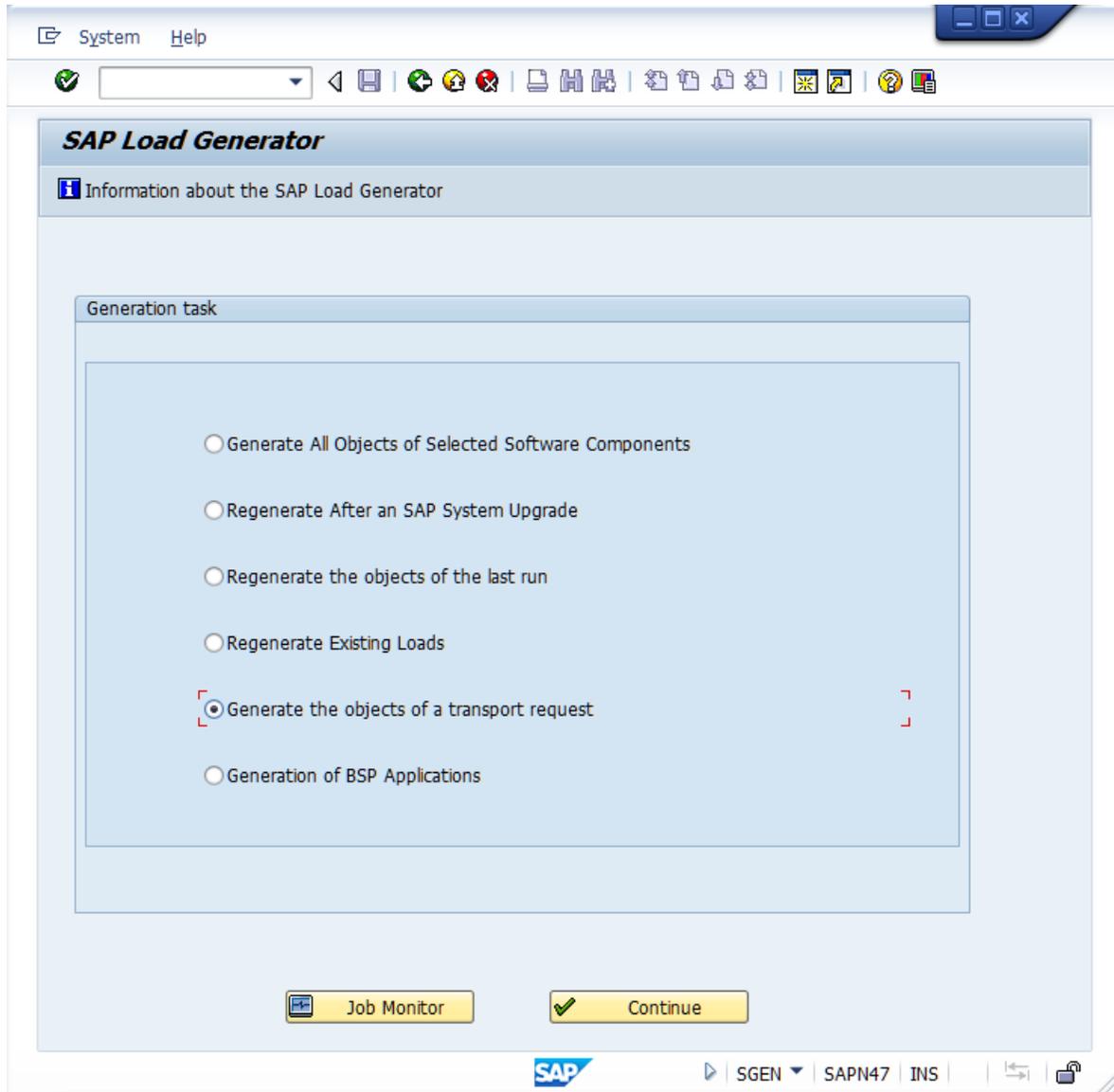
Short dumps

Short dump LOAD_PROGRAM_LOSS occurs during document transfer, check, post, or other action.

Solution: Increase the *abap/buffersize* parameter in transaction RZ11, Recommended value: 400000 or higher.

Short dump object modified during runtime.

Call the SGEN transaction and generate all objects of the PD main transport.



Other problems

Poor performance in ReadSoft PROCESS DIRECTOR.

Solution: Check the Tune Summary in transaction ST02 with the SAP System Administrator.