

eFLOW Control and Resolve 5.2 SP4

Prerequisites	2
Installation instructions	2
About the installation	2
Before the installation	2
Perform the installation	2
After the installation	3
New features	3
Support for asset posting	3
PO item completion by EAN/UPC	3
New BAdIs	3
Improvements and changes	3
EAN and Vendor material number fields	3
S/4HANA long material number support	3
Configure automatic posting directly in production system	4
Determined recipients only option in Recipient by account assignment object	4
Workflow task recipient BADI support for four-eyes principle	4
Map appended fields to eFLOW fields	4
Enter one-time vendor data via BAdI	4
BC sets updated to prevent activation errors	4
Performance improvements	4
Resolved issues	4
eFLOW Control	4
eFLOW Resolve	12
eFLOW Resolve Web Application	17

eFLOW Control and Resolve 5.2 SP4

eFLOW Control and Resolve 5.2 Service Pack 4 includes new features, improvements and changes, and resolved issues found in the previous eFLOW Control and Resolve release.

Prerequisites

If you use the eFLOW Resolve Web Application, Service Pack 4 requires version 5.2.3.71 of the Web Application (supplied with Hot Fix 7) .

Installation instructions

About the installation

The installation is an update to eFLOW Control and Resolve 5.2 SP3 (0084), which means that new customers must first install eFLOW Control and Resolve 5.2 SP2 (0073) and then install eFLOW Control and Resolve 5.2 SP3 (0084). Existing customers must first upgrade to eFLOW Control and Resolve 5.2 SP3 (0084).

Before the installation

The Deliver2ERP station and the Web Application must be stopped during installation.

Perform the installation

The installation is via transport.

The installation files are SAP release dependent.

For installation via transport use the following files:

SAP release	Transport without Fiori backend	Transport with Fiori backend (recommended if available)
ECC 6, no Enhancement Package	Not available	Not available
ECC 6, EhP1	Not available	Not available
ECC 6, EhP2	Not available	Not available
ECC 6, EhP3	TQ0K900250	Not applicable
ECC 6, EhP4	TQ0K900250	Not applicable
ECC 6, EhP5	TQ8K9A009E	Not applicable
ECC 6, EhP6	TQ8K9A009E	Not applicable
ECC 6, EhP7	TQ8K9A009D	Not applicable

eFLOW Control and Resolve 5.2 SP4

SAP release	Transport without Fiori backend	Transport with Fiori backend (recommended if available)
ECC 6, EhP8	TQ8K9A009D	Not applicable
S/4HANA 1511	TQ8K9A009D	Not applicable
S/4HANA 1610	TQ8K9A009D	Not applicable
S/4HANA 1709	Pending release	Not applicable

For further installation instructions, refer to the *eFLOW Control and Resolve Installation and Setup Guide*.

For installation via SAP Add-On, you can also refer to the installation documentation included in the Add-On delivery package.

After the installation

Verify the installation has occurred without error. Please report any installation return code higher than 4.

New features

Support for asset posting

It is now possible to specify asset details on G/L account lines in FI documents and multi-accounting lines (MAA) in MM documents.

PO item completion by EAN/UPC

The new completion `/TISA/CL_AP_COMPL_ITM_EAN_UPC` uses the EAN/UPC number to match invoice items to PO items.

New BAdIs

The following new BAdIs are available:

- **Relations** (/TISA/ES_FW_RELATION) to control created ArchiveLink connections.
- **Main controller** (/TISA/ES_FW_CTRL) to control executed actions.
- **Change reverse logic** (/TISA/ES_AP_REVERSE) to change the system behavior after reversal actions on documents.

Improvements and changes

EAN and Vendor material number fields

The fields **EAN/UPC** and **Vendor material number** are now available for line items.

S/4HANA long material number support

eFLOW Control and Resolve now supports the S/4HANA long material number.

eFLOW Control and Resolve 5.2 SP4

Configure automatic posting directly in production system

Automatic posting data is now saved in an application table, so it is possible to configure automatic posting directly in the production system.

Determined recipients only option in Recipient by account assignment object

The option **Determined recipients only** has been added to the **Dialog** field in transaction /TISA/WF_RAC (**Recipient by account assignment object**). This option allows workflow processors to change the recipient assignment, but they can only assign predefined users as a recipient.

Workflow task recipient BAdI support for four-eyes principle

It is now possible to implement the four-eyes principle for workflow approval using the **Workflow task recipient** BAdI.

Map appended fields to eFLOW fields

It is now possible to map fields appended to standard SAP tables to eFLOW Control fields in the **Define data mapping** activity.

Enter one-time vendor data via BAdI

One-time vendor address data captured in eFLOW Extract can be automatically entered in the eFLOW document via the BAdI /TISA/BADI_FW_CREATE BAdI, eliminating the need for manual entry of the data. Precorrection 100274 provides an example of a BAdI implementation to achieve this.

BC sets updated to prevent activation errors

The eFLOW Control and Resolve Business Configuration Sets were reconfigured to prevent errors occurring when they were activated.

Performance improvements

- Measures were taken to improve system performance when working with the **Workflow History** list.
- The amount of data stored in the RFC log request tables in production clients was reduced from 33 days to 5 days. Log request tables store OCR and image data transferred from eFLOW Extract.

Resolved issues

eFLOW Control

TISA	Summary	Description
100324	Incorrect values in Documents In/Out report	When eFLOW Reporting was executed for selected pre-customized data sets, the reported data was not within the date ranges specified by the given data set.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100323	Profitability segment number not passed to SAP on posting	The profitability segment number was not transferred to the SAP document when the eFLOW Control document was posted.
100322	Automatic posting blocked by enqueue entries	When the configuration specified that the RFC destination should post documents in the background after workflow release, posting did not take place due to enqueue entries.
100321	Short dump when using stacked workflow recipient groups	A short dump occurred when a workflow group that included another group as a member (a "stacked group") was assigned to a workflow task. In addition, stacked groups were not resolved to their individual users.
100318	Runtime errors during learning	Runtime errors (CONVT_NO_NUMBER) were generated in the eFLOW Extract Clean station connection for self-learning if there were invalid characters in an amount field.
100317	BSEG data not updated in eFLOW Control after posting in FB60	After posting an FI document in FB60 via the eFLOW Control Process online function, in the eFLOW Control document, header data (BKPF) was updated, but line item data (BSEG) was not.
100316	Missing error messages in Execute SAP validation & substitution rules validation	The Execute SAP validation & substitution rules validation (/TISA/CL_AP_CHECK_SAP_FI_RULES) did not return error messages correctly.
100310	Payment terms with fixed days not displayed correctly	The payment terms description was not correctly displayed for fixed day payment terms. The baseline date was empty, instead of showing the document date, and Due immediately was displayed instead of the correct description, such as 30 days net .

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100309	Line item proposal returns error message and no items for archived POs	If one of the selected purchase orders had been archived, line item proposal returned the message <i>ME 702 Purchasing document has deletion indicator</i> and did not propose any items.
100303	Empty reference and document type after MM posting	After posting an MM document, the Reference field (REF_DOC_NO) and the Document Type (DOC_TYPE) field were empty.
100301	Reversed document not in same special period as posted document	After reversing a document, the special posting period in the reversed document was not the same as in the posted document.
100297	Error message when selecting language for message template	In the Send message dialog box, an error occurred when the user selected a language for the message and translations for that language (description, subject and message text) were not available.
100295	Field in Miscellaneous tab contains value of another document	If the user opened a document in which a custom field on the Miscellaneous tab was filled, and then opened the detail view of another document in which that field was not originally filled, the field contained the value of the previously opened document.
100294	Short dump when synchronizing MM document	Synchronization of an MM document failed when reading tax lines, resulting in the short dump <i>COMPUTE_BCD_OVERFLOW (Overflow during an arithmetic operation (type P) in program "/TISA/CL_AP_MAPPER_TISTAX=====CP".)</i> .

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100291	Short dump when merging items	Previously, if the Purchase Order or Purchase Order Item fields were not filled in line items, these line items were automatically merged. Under certain circumstances, merging resulted in the short dump <i>COMPUTE_BCD_OVERFLOW (Overflow during an arithmetic operation (type P))</i> . Messages are now issued if the PO number and item number are not specified. Merging only takes place if the PO number and item are the same and there are no other differences (such as GR or SES entries), and does not result in an overflow error.
100282	Substitutes not deleted for deleted Web Application User	When a Web Application user was deleted, that user's substitutes are not deleted.
100280	No search help for class/interface in Calculate data program	No search help was available for the Class/Interface field in the Calculate data program (/TISA/FW_REP_CALC_DATA).
100279	Empty quantity after line item proposal for subsequent debit	In a document with the eFLOW transaction type Subsequent debit , line item proposal did not fill the Quantity field of the line items. Attempting to post the document without a quantity resulted in the error message <i>025 Please use 'Process online' to complete multi account assignment in MIRO.</i>
100277	Short notation = (equal sign) in Vendor search help not working	The error message <i>e058(00) "Entry = does not exist in LFA1 (check entry)"</i> was displayed when the user entered an equal sign (=) and a valid value in the Vendor field search help.
100275	Field names not displayed correctly in Default Recipients table	If fields had been added to the Default Recipients Fields configuration, only the first two fields were displayed correctly in the Default Recipients table. For the third, fourth and fifth fields, only the first letter of the field name was displayed.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100273	SD Document Number and Sales Document Item fields not filled for MAA	The fields Sales Document Number (SD_DOC) and Sales Document Item (SDOC_ITEM) fields were not filled in multi-accounting lines.
100272	Master data change not reflected in eFLOW Control	Master data changes were not reflected in eFLOW Control when the user jumped from the eFLOW Control transaction into the vendor master data.
100271	Workflow Recipient ID search help displays only 'U'	Sometimes the selection list in the Workflow Recipient ID search help was filled with 'U'.
100269	Invalid payer value results in short dump	The short dump <i>RAISE_EXCEPTION</i> occurred if the Payer field (PAYEE_PAYER) contained an invalid value.
100267	Irrelevant error message for subsequent debit with GR-based IV	The /TISA/AP_CHECKS error message <i>021 Item &1 has no goods receipt to be invoiced</i> was displayed for a subsequent debit document with GR-based IV. Subsequent debit and subsequent credit documents are no longer checked for goods receipts.
100265	Wrong balance calculation with empty tax code	When the <i>Calculate Tax</i> check box was activated, the balance was incorrectly calculated if the line item Tax Code field was empty. The tax value from the previous line was added to the balance.
100262	Business area not transferred to SAP document	After posting an FI invoice, the value of the Business Area field was not transferred from the eFLOW document to the SAP Business Area field.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100260	Balance with unplanned delivery costs for FI invoice	A value in the Unpl. Del. Csts field in the document header resulted in a balance and a corresponding error message. The Unpl. Del. Csts field is now automatically cleared for FI documents.
100258	Waiting status removed too soon	During the eFLOW me background process, documents were moved from the Waiting list to the regular document list too soon, that is, before the Paused until date had been reached or the Wait reason resolved.
100257	Missing extended withholding tax lines in posting simulation	When the user simulated a document with extended withholding tax, the extended withholding tax lines were not displayed in the Simulate document dialog box.
100256	Short dump when running Calculate data program	When running the Calculate data program (/TISA/FW_REP_CALC_DATA), the short dump <i>DBSQL_DUPLICATE_KEY_ERROR</i> occurred.
100254	Unplanned delivery cost used in balance calculation after classification	When using the Classify function to change the AP document type from MM to another document type, such as FI, the value in the Unpl. Del. Csts field was no longer visible, but its value was retained and used in the balance calculation, with the result that the document could not be posted.
100253	Workflow audit trail attached to message instead of invoice image	When using the Send message function, the workflow audit trail was attached to the email instead of the invoice image.
100252	Missing error message in background posting	During background posting, if the automatic posting RFC destination was incorrect or a communication error occurred, no error message was displayed.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100247	Internal error message when working with multi-accounting lines	When working with multi-accounting lines (MAA), the message <i>Internal error: No controller defined for command MAA_DISPLAY</i> was sometimes displayed, for example, when using the MAA buttons to expand or collapse the accounting lines.
100245	Incorrect posting of discount for services	<p>There was an error in the FI accounting document that is generated when an MM invoice is posted. The error occurred under the following conditions:</p> <ul style="list-style-type: none"> ■ The document was a PO-based invoice and included at least one service line. ■ SR-based IV was deactivated for at least one service PO item, but a goods receipt was expected. ■ The document type was defined as Net posting (default SAP document type RN). ■ There was a discount amount. <p>In this scenario, MIRO posts the entire invoice item amount to GR/IR and creates a separate line for the discount. eFLOW Control deducted the discount from the invoice item amount and generated only one GR/IR posting line.</p>
100242	SAP synchronization incorrect with mix of debit and credit indicators	When posting a non-PO invoice (FI) with a tax code that generates a debit posting and a credit posting, eFLOW Control did not synchronize the correct tax summary data from SAP.
100241	No search help for House Bank field	No search help was available for the House Bank field (HOUSEBANKID).
100240	Payer and Partner Bank Type fields not cleared on vendor change	The fields Partner Bank Type (PARTNER_BK) and Payer (PAYEE_PAYER) were not cleared when the vendor was changed in the document.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100239	No search help for Text Key field in Send message configuration	There was no search help for the Text Key field in the Assign message template to company code configuration activity.
100238	SAP document type not determined	The SAP document type could not be determined if there was no value in the Company Code field.
100237	Missing translations for multi-accounting button	The tooltip of the MAA button had not been translated.
100235	No validation of delivery note number in item proposal	When an invalid delivery note was entered in the Item Proposal tab, item proposal failed if the message <i>M8 183 "Delivery note/service entry sheet & does not exist"</i> was configured to be an error (default in OMRM). Delivery note numbers are now checked immediately after they are entered by the user, before item proposal takes place.
100234	Purchase order item display not refreshed	It was only possible to refresh the display of purchase order line items by restarting the transaction. These details are now refreshed automatically when a document is opened.
100232	Tax rate not displayed in posted FI documents	After posting an FI document, 0 (zero) was displayed in the Tax tab instead of the tax rate that corresponded to the assigned tax code.
100230	Missing descriptions for system commands	Description texts had not been defined for some system commands, with the result that no texts were displayed in the Process log , and no text was displayed on some buttons in the Web Application.
100227	Sender field in Send message configuration too short	The length of the Sender field in the Send message - Mail definition configuration was increased from 30 to 100 characters.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100226	History values displayed in password fields in user management	Values that the user had previously typed were displayed in the password fields in user management (/TISA/WF_USER). These fields have now been changed to password fields.
100225 100236	New lines always inserted at top of table in Item Proposal tab	When the user pressed the Insert Row button in the Item Proposal table, new rows were inserted at the top of the table, and existing rows with entries scrolled into the non-visible area. New rows are now inserted above the row on which the cursor is positioned.

eFLOW Resolve

TISA	Summary	Description
100321	Short dump when using stacked workflow recipient groups	A short dump occurred when a workflow group that included another group as a member (a "stacked group") was assigned to a workflow task. In addition, stacked groups were not resolved to their individual users.
100320	Workflow log generated in wrong language after approval	After approval of a workflow, the workflow log was sometimes generated in the RFC session language instead of the Web Application login language.
100315	Workflow recipient ID and type not displayed in Workflow History	The workflow recipient ID and recipient type were not displayed in the Workflow History tab.
100314	Workflow task sent to deleted recipients	When workflow recipients were deleted in the Start workflow dialog, the task was still sent to all recipients, including the deleted ones.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100313	Issues with workflow inquiries	<p>When an inquiry was sent to a user, and the workflow was then forwarded to the same user, the wrong status was displayed. After the inquiry was answered, the task was no longer assigned to any user.</p> <p>When a recipient assigned to the next workflow task received an inquiry for the current task, after the inquiry was answered and the current step completed, the next task was not started.</p>
100300	Workflow task recipient BAdI implementation does not work for MM documents	The default BAdI implementation for workflow task recipient assignment by account assignment object (/TISA/CL_WF_BADI_TASK_REC_RAC) did not work for MM documents, even if they had accounting lines. Note that recipient assignment is only possible for accounting lines in the G/L Account tab, not for multi-accounting lines (MAA).
100299	Workflow task recipient BAdI assigns default recipients on forward	The default BAdI implementation for workflow task recipient assignment (/TISA/CL_WF_BADI_TASK_REC_RAC) incorrectly returned the recipients in table /TISA/WF_REC_RAC when the workflow task was forwarded.
100296	Workflow History search help shows deleted recipients	The Workflow History search help displayed deleted recipients. If the user selected a deleted recipient, the short dump <i>OBJECTS_OBJREF_NOT_ASSIGNED in program "/TISA/CL_WF_DISPLAY_REC=====CP"</i> occurred.
100295	Field in Miscellaneous tab contains value of another document	If the user opened a document in which a custom field on the Miscellaneous tab was filled, and then opened the detail view of another document in which that field was not originally filled, the field contained the value of the previously opened document.
100293	Short dump when sending or answering an inquiry	When sending or answering an inquiry, an <i>UNCAUGHT_EXCEPTION</i> short dump occurred with /TISA/CX_FW_TEXT if the workflow task instructions had not been translated into the user's logon language.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100292	Wrong email sender for reminder emails	The email sender for reminder emails was the email of the user who started the workflow, instead of the email sender defined in the /TISA/_WF_OVERDUE program.
100285	Error message when selecting language for message template	In the Send message dialog box, an error occurred when the user selected a language for the message and translations for that language (description, subject and message text) were not available.
100284	Copy button without function in user management	A Copy button was available on the toolbar in the user management transaction /TISA/WF_USER, but it was not possible to copy users. The button has been removed.
100283	Substitute maintenance search help displays only Web Application users	Only Web Application users were available for selection in the search help of the eFLOW Resolve substitute maintenance transaction /TISA/WF_SUBST. The search help now includes SAP users as well.
100277	Short notation = (equal sign) in Vendor search help not working	The error message <i>e058(00) "Entry = does not exist in LFA1 (check entry)"</i> was displayed when the user entered an equal sign (=) and a valid value in the Vendor field search help.
100272	Master data change not reflected in eFLOW Control	Master data changes were not reflected in eFLOW Control when the user jumped from the eFLOW Control transaction into the vendor master data.
100268	Issues with line item field status	It was not possible to add new lines to a document during the workflow, even though the workflow task field status allowed editing of all fields. In addition, if a field status included a mandatory field at line item level, all mandatory fields in all lines had to be filled in, even fields in empty lines.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100255	Invalid substitute causes Resolve to crash	If a user's active substitute was invalid (for example, because the substitute had been deleted), when that user logged on, eFLOW Resolve closed with the error message <i>Internal error in method /TISA/CL_WF_DATA_SEL_WORKLIST->/TISA/IF_FW_DATA_SELECT~GET_DOCUMENT_IDS (1)</i> .
100252	Missing error message in background posting	During background posting, if the automatic posting RFC destination was incorrect or a communication error occurred, no error message was displayed.
100251	Improved error message for missing authorization S_USR_GRP	The message issued when a workflow recipient did not have the authorization S_USR_GRP has been extended to include the information that this authorization is missing.
100250	No button color in Email Approval email	The buttons in the Email Approval email had no color. The Accept button is now displayed in green and the Reject button in red.
100249	Workflow approval fails due to invalid default recipient	If a default recipient assigned to a workflow task was invalid (for example, because the user had been deleted), it was not possible to approve that workflow task. Invalid recipients are now ignored.
100248	Invalid HTML tags in Email Approval email	The Email Approval email contained invalid HTML tags, such as <code><p><tr></p></code> .
100247	Internal error message when working with multi-accounting lines	When working with multi-accounting lines (MAA), the message <i>Internal error: No controller defined for command MAA_DISPLAY</i> was sometimes displayed, for example, when using the MAA buttons to expand or collapse the accounting lines.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100246	Workflow recipient fields not displayed in Start workflow dialog	When a workflow task had not been translated to the current user's language, and was also not available in English, no workflow recipient fields were displayed in the Start workflow dialog box.
100244	User group recipients not resolved	Users groups that contained another user group as a member were not resolved to the individual workflow recipients. In addition, too many database accesses were required to read the members of a group.
100243	Short dump in recipient determination BAdI implementation	When using the Workflow task recipient BAdI implementation /TISA/CL_WF_BADI_TASK_REC_RAC to determine recipients by cost object, the short dump <i>COLLECT_OVERFLOW_TYPE_P</i> occurred.
100241	No search help for House Bank field	No search help was available for the House Bank field (HOUSEBANKID).
100237	Missing translations for multi-accounting button	The tooltip of the MAA button had not been translated.
100233	Workflow audit trail always attached to email notification	The workflow audit trail was attached to email notifications, even if the Attach log setting was deactivated in the email notification configuration.
100231	Grouped workflow notifications do not notify active substitutes	When workflow email notifications were configured to be grouped by task or recipient, active substitutes of the recipients did not receive a copy of the email notification.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100230	Missing descriptions for system commands	Description texts had not been defined for some system commands, with the result that no texts were displayed in the Process log , and no text was displayed on some buttons in the Web Application.
100228	Workflow notifications not sent to groups	If a workflow task was sent to a recipient group that did not have a group email address, no workflow notifications were sent. For each recipient in the group, the log contained the error message <i>Email notification could not be send to &email</i> .
100227	Sender field in Send message configuration too short	The length of the Sender field in the Send message - Mail definition configuration was increased from 30 to 100 characters.

eFLOW Resolve Web Application

TISA	Summary	Description
100320	Workflow log generated in wrong language after approval	After approval of a workflow, the workflow log was sometimes generated in the RFC session language instead of the Web Application login language.
100312	G/L account fixed value descriptions incorrectly displayed	Fixed values defined for G/L accounts in the Web Application Layout configuration (table /TISA/CWF_WAX) were incorrectly displayed; all texts and descriptions were the same as those in the first line.
100298	Blank screen or empty document list after login	Due to missing authorizations for the Web Application RFC user, a blank screen or an empty document list was sometimes displayed after users logged in.

eFLOW Control and Resolve 5.2 SP4

TISA	Summary	Description
100259	Unclear error message when entered value is too long for the field	If the user entered a value that was too long for the field, the error message <i>There is an exception</i> was displayed. The error message now informs the user that the entered text is too long and specifies the number of allowed characters.
100230	Missing descriptions for system commands	Description texts had not been defined for some system commands, with the result that no texts were displayed in the Process log , and no text was displayed on some buttons in the Web Application.
100229	Not all images pages displayed in Web Application	(Applies to Web Application version HF6 and lower). When viewing multi-page images in the Web Application, only pages on which recognition had been performed in eFLOW Extract were displayed. For example, in the case of emailed invoices, the invoice image was displayed, but the email document itself was not visible in the image viewer.