

ERP-256 Correction Program ICertis ECC Outline Agreements

Status	Approved
Owner	ROWLINSON-ext, Kerry
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Jira Request ID	 ERP-243 - Jira project doesn't exist or you don't have permission to view it.
Jira Development ID	 ERP-256 - Jira project doesn't exist or you don't have permission to view it.

High- Level Specification

Parameter	Value
Application System	SAP ECC PF2, SAP ECC WP2
Business Process Reference	03.04.04.01. Manage Outline Agreements (R2)

Functional Overview

ICertis Contract Intelligence is the contract management and authoring application for Syensqo's purchase contracts. Purchase orders are created in SAP ECC with reference to purchase contracts (outline agreements). The key information from the legal contract which is relevant for procurement forms the basis of the purchase contract or outline agreement in SAP ECC. The integration between ICertis and SAP ECC for release 2 is a custom table in SAP ECC to hold key header field content from ICertis ([ERP-260 Integration Process - ICertis to SAP ECC Contract Data Replication & ERP-261 System Interface - ICertis Contract Data Replication to SAP ECC](#)). This custom table supports the main objectives:

1. To enable a relationship between the ICertis Agreement Code and the SAP outline agreement number.
2. To report where there are inconsistencies in the data between the two systems.

Under this spec the following components will need to be delivered:

1. A new field in Outline Agreement Header, available to be updated via ME31K & ME32K and displayed when using ME33K. The new field will be called "OA Verification Status". This field will be able to be updated (the same as the ICM Agreement Code EKKO-ZZICMAGREEMENTCODE) via the Contract Mass Maintenance transaction MEMASSCONTRACT.
2. A new program / transaction code for users to edit in bulk two fields:
 - a. The new field created under this spec: "OA Verification Status".
 - b. The existing field ICM Agreement Code (EKKO-ZZICMAGREEMENTCODE) (this was created under spec [ERP-259 Enhancement for Storage of ICertis ID on OA Header](#)).

The new field & the new TCODE to update both fields will need to be available both in WP2 and PF2 environments.

Scope and Objectives

For one purchase contract in ICertis, there can be multiple outline agreements created in SAP ECC (one per relevant purchasing organization). The ICertis Agreement Code is entered on the header of each outline agreement. This can be done during the creation of each one, or via ME32K Change Outline Agreement after creation and one outline agreement at a time. This enhancement allows contract specialists and also GBS members to update in bulk the ICM Agreement code and also the OA Verification status via a new transaction code.

The intended business process is for all new outline agreements created in SAP ECC after the introduction of ICertis Contract Management to be assigned to the respective ICertis legal contract via the entry of the ICM Agreement Code on the header when the outline agreement is created. Currently active outline agreements exist in SAP ECC which may not have a signed legal contract, and many outline agreements have an open-ended validity period which makes it difficult to determine which outline agreements are relevant to be migrated to S/4 HANA.

To assist with the process of identifying outline agreements which have been verified for migration, this enhancement will provide an additional field on the header to allow the classification of the outline agreement for migration without a legal contract, or not for migration. The population of this field will assist Syensqo to categorize outline agreements:

- which have been verified as not having a current legal contract but require migration to S/4 HANA
- which have been verified to not be migrated
- which still require verification for migration or not, or association to an Icertis agreement

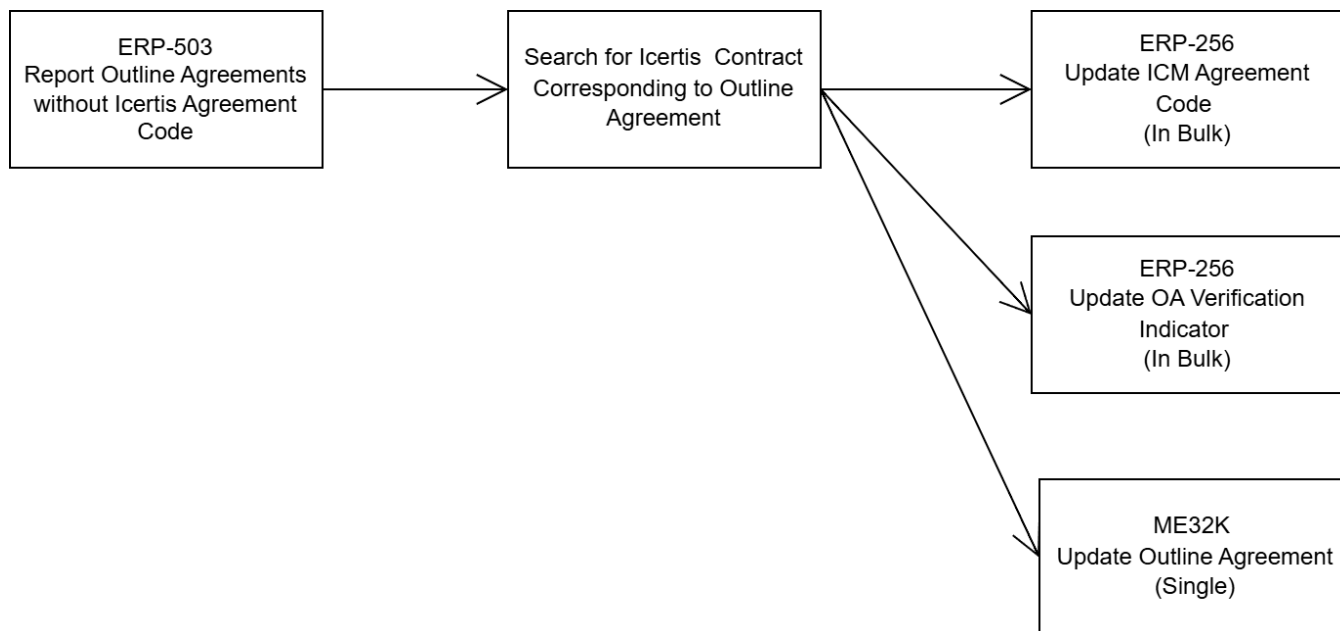
The BW Consolidation Report ([ERP-503 Consolidation Report Icertis SAP ECC Outline Agreements - Story](#)) includes both fields and will provide the users with a working list to identify outline agreements which require one (usually not both) of these fields to be set.

The categorization of outline agreements in this way will assist in the management of activities relating to the migration of outline agreements to S/4 HANA. Agreements which have already been categorized as 'not for migration' or 'migrate without a legal contract' can be identified on the report of outline agreements without an ICM contract ([ERP-503 Consolidation Report Icertis SAP ECC Outline Agreements - Story](#)) to avoid repeat analysis of them. From a business process point of view, it is recommended that users enter a more detailed reason in an internal text for the omission of a legal contract.

Both the ICM Agreement Code and the OA Verification fields are available to update via the standard mass maintenance transaction for outline agreements (MEMASSCONTRACT). However, mass maintenance is more complex, makes available the mass update of all header and line-item fields, and is mostly used only by GBS for specific outline agreement changes. This custom developed transaction will make updates to these two fields only in a user-friendly, low-risk format.

For the correction of other key data in SAP ECC which is not aligned with Icertis, the existing upload programs for change outline agreement can be used, or the contract can be changed directly in transaction ME32K.

Process Flow Diagram



Step	Description	System	Comment
1	Consolidation report for purchase contracts is executed in BW	BW	Report shows entries in the custom table in ECC for Icertis purchase contracts and their assignment to outline agreements in SAP ECC, as well as outline agreements not assigned an ICM Agreement Code.
2	Complete search for legal Icertis purchase contract corresponding to outline agreement	SAP ECC & Icertis	Outline Agreements without an Icertis Agreement Code are analyzed to determine if there is a legal contract in Icertis which should be assigned on the outline agreement.
3	Update the outline agreement with the Icertis Agreement Code	SAP ECC	The update program is used to enter the Icertis agreement code or the OA Verification Indicator on the header of each of the relevant outline agreements.
4	Update the outline agreement with the OA Verification Indicator	SAP ECC	The update program is used to enter the OA Verification Indicator on the header of each of the relevant outline agreements. If the outline agreement does not have a corresponding Icertis Agreement, the verification indicator is set either (i) migration without Icertis agreement or (ii) not to be migrated

Assumptions

N/A

Dependencies

In order to assign an ICM Agreement code to the Outline agreement, the ICM Agreement code must exist in the ZMM_ICM* Tables. This logic is covered in [ERP-259 Enhancement for Storage of Icertis ID on OA Header](#).

The selection of the relevant outline agreements and the field update values is required prior to the loads into SAP. The reporting of outline agreements relevant for the update of these fields is via the BW Contract Consolidation Report [ERP-503 Consolidation Report Icertis SAP ECC Outline Agreements - Story](#)

The preparation of a load file based on the template for the program is required prior to loading.

Security, Integrity and Controls

The new program will be assigned to a transaction code so that contract specialists and GBS employees can run this new application.

It is not required to create any new authorization objects given that when trying to change the Outline Agreement, SAP will check that the user has access to modify the document (including Org checks).

The new transaction will be added to an existing role in WP2 and PF2.

It is suggested to use a BAPI to change the outline agreements, which can also help us to run the program in test run mode and leverage the error log coming from table RETURN.

Configuration Requirements

The new field "OA Verification Status" will be included in the contract header screen on ME31K / ME32K and ME33K and will have the following behavior:

1. Field is optional.
2. Only allowed values are:
 - a. 01 - Verified without ICM Contract
 - b. 02 - Do Not Migrate

<

SAP

Display Contract : Header Data

✓

Cancel

Vendor

502561083

TRIFLEET LEASING

Administrative Fields

Agreement Date

02.03.2026

Item Number Interval

10

Subitem Interv.

1

Validity Start

02.03.2026

Validity End

30.04.2026

Language

NL

☐ GR Message

Terms of Delivery and Payment

Payt Terms

Y021

Targ. Val.

1.000.000,00

EUR

Payment in

0

Days

0,000

%

Exch. Rate

1,00000

☐ Ex.Rate Fx

Payment in

0

Days

0,000

%

Incoterms

Payment in

0

Days Net

Reference Data

Quotation Date

Quotation

Your Reference

Salesperson

Our Reference

Telephone

Suppl. Vendor

Invoicing Party

Icertis Contract

ICM Agreement Code

PSUB228

OA Verification Status

New field to be added in table EKKO and screens ME31K / ME32K and ME33K

Language Requirements

N/A

Special Requirements

N/A

Design Rationale

Functional Requirements

This custom program is to take field values from a spreadsheet and make new entries into the fields for the specified outline agreement.

The columns in the spreadsheet will have column headings which are the field names in the tables.

The initial selection screen will have fields to hold the location of the relevant upload file. Checks and validations will be carried out prior to the updates. The user running the program must clear the errors before proceeding to load. Table records as per the spreadsheet content are updated directly.

Template spreadsheets can be downloaded within the program for ICM Code update and OA Verification update.

Test mode will complete the checks and validations and list any error messages based on the updates for each outline agreement. Test mode will also show the current value of the field being changed alongside the new value from the spreadsheet file.

A blank value in the file for an outline agreement will clear the current content of the field being updated. A warning message will be provided during test mode where a blank value is being uploaded to a field which already has an existing entry which is not blank.

The following table explains functionally the combinations that can happen on outline agreement. It is not required to validate all combinations. This is a logical/functional explanation on what it would mean for an OA Agreement with different combinations on both fields. The combination of a valid ICM Code and 01 Verified Without ICM Contract is the only combination which is not permitted.

ICM Agreement Code	OA Verification	Meaning
Blank	Blank	No Icertis Agreement Code has been assigned to the OA, and no verification of whether the OA is to be migrated.
ICM Code	Blank	If Icertis Contract is assigned, assumption is that OA is relevant for migration. (Cleansing tasks may still be outstanding)
Blank	01 Verified Without ICM Contract	No Icertis legal contract for the OA, but OA is required for migration to S/4
Blank	02 Do Not Migrate	No Icertis legal contract, and OA is not relevant for migration to S/4
ICM Code	01 Verified Without ICM Contract	Unclear and not a permitted combination.
ICM Code	02 Do Not Migrate	Currently there is a legal contract, but it will be expired and not renewed before R4 go live and OA is therefore not relevant for migration.

Proposed Technology to Use

It is suggested to:

- Create a new custom field in EKKO table for "OA Verification status" under the same append structure used for field ZZICMAGREEMENTCODE (append structure ZSMM_ICMAGREEMENT_EKKODB).
- Replicate similar behavior for screen interaction used with ZZICMAGREEMENTCODE (User Exits ZXM06U36, ZXM06U37 and ZXM06U43).
- Enable the OA Verification Status field to be updated via mass maintenance transaction MEMASSCONTRACT.
- Create a new ABAP program which will be responsible to modify the Outline Agreement fields based on spreadsheets with the required values in each field. This program calls BAPI_CONTRACT_CHANGE which will allow to run program in test mode to validate entries before changing the contract and also to provide an error log on the screen for users to verify if updates are going to be successful.
- Create a new Transaction code which invokes this new program.
- Include the new transaction code in existing roles so that relevant users have access to the new developed program.

Data Source Considerations

All data required for the table entries will be provided in the spreadsheet. The formats of the spreadsheets (one for the ICM Agreement Code and one for the OA Verification Status) are shown below and a sample file provided for unit testing.

The column labels in the spreadsheet are the same as the field name in the tables.

A sample file for loading ICM Agreement Code or OA Verification Code is available here: [Agreement Code and Verification Field Update Template.xlsx - Google Sheets](#)

Table	Field Name	Comments/Calculation/Field Manipulation
EKKO	EBELN	Outline Agreement Number
EKKO	ZZICMAGREEMENTCODE	Icertis Agreement Code assigned to the outline agreement (validate that it exists in table Z
EKKO	ZZOAVIFICATION	OA Verification Status

Data Validation Considerations

The standard BAPI to change contract should validate the fields according to the logic already defined in user exits which validate format of ZZICMAGREEMENTCODE and the new field introduced under this spec (OA Verification Status).

An outline agreement with an ICMAGREEMENTCODE entered, and the OA Verification Status set to 01 Verified without ICM Contract is not permitted. Error message: 'Outline Agreement xxx has ICM Code, 01 status not permitted'

The following data validations are carried out in both test and update modes:

Table	Field Name	Comments/Calculation/Field Manipulation
OA Verification Status Update		
EKKO	ZZOAV ERIFICATION	Entry in the spreadsheet can be either blank, 01, or 02. For other values display. Error message: OA number xxx, yy is not a permitted value
EKKO	ZZOAV ERIFICATION	OA has an ICM Agreement Code already assigned, value 01 Verified Without ICM Contract is not permitted for the Verification Status Error message: OA xxx has an ICM Agreement assigned, value 01 not permitted
EKKO	ZZOAV ERIFICATION	OA has an existing Verification Status value assigned which will be overwritten by the updates. Warning message: Existing Verification yy will be overwritten for OA xxx
ICM Agreement Code Update		
EKKO	ZZICMA GREEMENTCODE	OA has an existing ICM Agreement Code (not blank) which is different to the value in the file and will be overwritten by the updates. Warning message: Existing ICM Agreement Code yyy will be overwritten for OA xxx
EKKO	ZZICMA GREEMENTCODE	Valid entry must exist in the custom table from ZMM_ICMCONTRACT (field ICMAGREEMENTCODE) If no entry exists for the entered Agreement Code, display the following message: <i>'No entry exists for Icertis Agreement Code xxxxx, please check'</i>
EKKO	ZZICMA GREEMENTCODE	The agreement code number must have agreement type (ZMM_ICMCONTRACT-CONTRACTTYPENAME) equal to either ICMStandaloneAgreement or ICMSubAgreement. If the entry exists, but the entered value is not for a contract type of either Stand Alone Agreement or Sub Agreement, display the following error message: <i>'Icertis Agreement Code xxxxx is not a Stand Alone or Sub Agreement type'</i> where xxxxx is the value entered by the user.
EKKO	ZZICMA GREEMENTCODE	OA has a Verification Status already assigned, a value for the ICM Agreement Code is not permitted with the Verification Status. Error message: OA xxx has a Verification Status 01 assigned, ICM Code not permitted.

Custom Tables

N/A

Master Data

N/A

Configuration Table

The new field "OA Verification Status", which will be included in table EKKO, will need to have 2 allowed values (+ blank):

Field	Description	Data Type/Length	Validation rule/ Value Help
ZZOAVVERIFICATION	OA Verification Status	2 char	01 Verified without ICM Contract 02 Do Not Migrate

Selection Screen Enhancement

The selection screen of the new program will allow the user to between two radio buttons to update one field at a time:

- Update ICM Agreement Code
- Update OA Verification Status

A checkbox parameter field called "Test Run" will allow users to verify if all records can be updated before doing the actual update.

Options to download a template spreadsheet for ICM Agreement Code and OA Verification Status Update is available from the initial screen.

Field Name	Description	Select:	Data Type /Length	Default Value/ Validation rule/ Value Help	Selection Logic
RB_ICMA	Update ICM Agreement code	Radio Button Group 1	C length 1	default X	
RB_OAVS	Update OA Verification Status	Radio Button Group 1	C length 1		
P_TEST	Test Run	Parameter	C length 1	default X	
LOADFILENAME	File Name	Select for the file name and path	<i>Length to be specified</i>	Default to blank	Selection of the dropdown and allow user to navigate to the location of the file on a local drive

Following picture shows a tentative layout for the screen.

Update Outline Agreement (ICM Agreement & OA Verification Status)

☒ Update ICM Agreement Code

☐ Update OA Verification Status

☐ Test Run

Processing Logic

On the New TCODE:

Once the user has completed the Outline agreements + the field to be updated (either ICM Agreement Code or OA Verification Status), the program should prepare records to call BAPI_CONTRACT_CHANGE.

The two custom fields are typically populated by table EXTENSIONIN.

The field Test Run will need to be populated from the parameter in the selection screen. This will determine if update will be saved on DB or just a test run is required. This will allow users to validate all records before processing.

We suggest to read the output of table Return and provide a log in an ALV fashion so that users know for each OA Processed if there are any errors or if update is successful.

In ME31K

On ME31K user should be able to populate the new created field "OA Verification Status" and then it should be saved in EKKO. The allowed values are the ones defined by the data element (01, 02 or Blank).

In ME32K

On ME32K, if a value is already saved on EKKO for field "OA Verification Status", the content of the field will need to be retrieved by the DB Table EKKO and presented on screen.

If a user decides to change the value in ME32K, the value will need to be validated according to the data element and saved in table EKKO.

In ME33K

On ME33K, if a value is saved on EKKO for field "OA Verification Status", the field will need to be retrieved from the DB and presented on Screen.

In MASS -->

- Enable the update of the OA Verification field on the outline agreement header via the standard mass update transaction MEMASSCONTRACT (the same as has been done for ICMAGREEMENTCODE field in [ERP-259 Enhancement for Storage of Icertis ID on OA Header](#)).

Volumetrics

There are approximately 3000 purchase contracts being loaded in Icertis Contract Management. A portion of these will be relevant for outline agreements (only Sub Agreement and Standalone Agreement types). No ICM Agreement Codes will be entered on existing outline agreements as part of the introduction of Icertis and the load of legacy contracts. Progressively Syensqo will use the BW Report ([ERP-503 Consolidation Report Icertis SAP ECC Outline Agreements - Story](#)) to identify outline agreements which need a corresponding Icertis code assigned and update the records. Similarly, they will progressively do the work to identify orphan outline agreements and determine if they are relevant for migration and if they require a legal contract. Updates will therefore be inconsistent based on the analysis carried out by Syensqo.

Performance Considerations

There are no specific performance considerations to take into account.

Error Handling

The new program will need to display the output of RETURN table from BAPI_CONTRACT_CHANGE in screen in an ALV so that users can see the status of their operation performed (either successful or with details errors to understand the issues).

Lock entries on the relevant outline agreement number which prevent the update occurring will be shown in the log in both test and update mode.

Testing

How to Test

Test Conditions and Expected Results

ID	Condition	Expected Result
	OA Verification Status Field	
1	ME31K Create OA	OA Verification Status field available, possible values can be displayed and selected, no other values are permitted
2	ME32K Change OA	OA Verification Status field available, possible values can be displayed and selected, no other values are permitted.
3	ME33K Display OA	OA Verification Status field displayed
4	Update OA Verification Status via Mass Maintenance	OA Verification Status field can be updated via Mass Maintenance
5	ME32K Change OA	If ICM Agreement Code is filled, the OA Verification status 01 is not permitted Error message: OA xxx has an ICM Agreement assigned, value 01 not permitted
	Contract Update Program - OA Verification Status	
6	Test mode	Executes validations and displays error messages.
7	Update mode	Executes validations and displays error messages which need to be cleared before processing.
8	Update mode processes the table updates.	Table updates as per the spreadsheet are made directly in update mode.
9	Field values 01, 02 or blank	Entry in the spreadsheet can be either blank, 01, or 02. For other values display. Error message: OA number xxx, yy is not a permitted value
10	Field value 01 with ICM contract already filled Field value 02 with ICM contract already filled Field value blank with ICM contract already filled	OA has an ICM Agreement Code already assigned, value 01 Verified Without ICM Contract is not permitted for the Verification Status Error message: OA xxx has an ICM Agreement assigned, value 01 not permitted
11	Overwrite existing field value of 01 or 02	OA has an existing Verification Status value assigned which will be overwritten by the updates. Warning message: Existing Verification yy will be overwritten for OA xxx
	Contract Update Program - ICM Agreement Code	
12	Test mode	Executes validations and displays error messages.
13	Update mode	Executes validations and displays error messages which need to be cleared before processing.
14	Update mode processes the table updates.	Table updates as per the spreadsheet are made directly in update mode.
15	Update OA where ICM Agreement Code is already assigned	OA has an existing ICM Agreement Code which will be overwritten by the updates. Warning message: Existing ICM Agreement Code yyy will be overwritten for OA xxx
16	ICM Agreement code exists/does not exist in table ZMM_ICMCONTRACT	Valid entry must exist in the custom table from ZMM_ICMCONTRACT (field ICMAGREEMENTCODE) If no entry exists for the entered Agreement Code, display the following message: <i>'No entry exists for Icertis Agreement Code xxxxx, please check'</i>
17	ICM Agreement code value is either a Subagreement or Standalone agreement (not Master Agreement or Supporting Agreement)	The agreement code number must have agreement type (ZMM_ICMCONTRACT-CONTRACTTYPENAME) equal to either ICMStandaloneAgreement or ICMSubAgreement. If the entry exists, but the entered value is not for a contract type of either Stand Alone Agreement or Sub Agreement, display the following error message: <i>'Icertis Agreement Code xxxxx is not a Stand Alone or Sub Agreement type'</i> where xxxxx is the value entered by the user.
18	Load ICM Agreement code for OA where Verification Status is already assigned value 01.	OA has a Verification Status already assigned, a value for the ICM Agreement Code is not permitted with the Verification Status 01. Error message: OA xxx has a Verification Status 01 assigned, ICM Code not permitted.
19	Load ICM Agreement code for OA where Verification Status is already assigned value 02.	Update is successful.

Test Considerations/Dependencies

N/A

Other Information

Development Details

Package

Package Name	Parent Package

Enhancement Implementation

Enhancement Type	Standard Definition Name	Custom Implementation Name	Design Rationale Reference

Other Development Objects

Object Type	Object Name	Purpose/High Level Logic	Design Rationale Reference

Appendix

Custom Authorization Group Naming Convention

This table is based on the Syensqo development standards document. It provides the naming conventions for authorization groups to associated with custom reports and tables to comply with security requirements.

ABAP	ZFI	ZMM	ZPS	ZCO	ZSD	ZBC	ZFI	ZCA
TABLES	ZFIT	ZMMT	ZPST	ZCOT	ZSDT	ZBCT	ZFIT	ZCAT

See also

File	Modified
File Screen Look and Feel draw.io diagram	Mar 23, 2026 by ROWLINSON-ext, Kerry
File ~Screen Look and Feel.tmp draw.io Draft	Mar 23, 2026 by ROWLINSON-ext, Kerry
File ERP-256 Process Flow draw.io diagram	Mar 20, 2026 by ROWLINSON-ext, Kerry
File ~ERP-256 Process Flow.tmp draw.io Draft	Mar 20, 2026 by ROWLINSON-ext, Kerry

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Change log

Version	Published	Changed By	Comment
CURRENT (v. 40)	Apr 07, 2026 05:27	ROWLINSON-ext, Kerry	
v. 39	Mar 23, 2026 08:56	ROWLINSON-ext, Kerry	
v. 38	Mar 23, 2026 07:36	ROWLINSON-ext, Kerry	
v. 37	Mar 23, 2026 07:23	ROWLINSON-ext, Kerry	
v. 36	Mar 23, 2026 05:45	ROWLINSON-ext, Kerry	
v. 35	Mar 23, 2026 05:18	ROWLINSON-ext, Kerry	
v. 34	Mar 20, 2026 15:38	ROWLINSON-ext, Kerry	
v. 33	Mar 20, 2026 12:21	ROWLINSON-ext, Kerry	
v. 32	Mar 20, 2026 11:39	ROWLINSON-ext, Kerry	
v. 31	Mar 20, 2026 11:00	ROWLINSON-ext, Kerry	

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Workflow history

This view shows the 5 most recent entries. The complete workflow log is available from the 'Document Activity' menu item.

Apr 07, 2026	Actor	Type	Activity	Version
Approved	 TORRES-ext, Benedict	State	changed state to Approved at 7:31 am	v40
Revision under Review	 TORRES-ext, Benedict	State	gave <i>Minor change</i> approval at 7:31 am	
	 ROWLINSON-ext, Kerry	Edit	updated the page at 5:27 am	
		State	changed state to Revision under Review at 3:28 am	v40
Revision in progress	 ROWLINSON-ext, Kerry	State	changed state to Revision in progress at 3:27 am	v40
Mar 24, 2026				
Approved	 TILBEE-ext, Amanda	State	changed state to Approved at 11:07 am	v39