

# ERP-962 IHB Factoring - Report Monitor

|                     |                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status              | Approved                                                                                                                                                                   |
| Owner               | PERAL-ext, Carlos                                                                                                                                                          |
| Stakeholders        | UL HASAN, Selim LAMIA, Gianni                                                                                                                                              |
| Jira Request ID     | <div> ERP-171 - Jira project doesn't exist or you don't have permission to view it.</div> |
| Jira Development ID | <div> ERP-962 - Jira project doesn't exist or you don't have permission to view it.</div> |

## High- Level Specification

| Parameter                  | Value                                                                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application System         | S/4Hana ROW, S/4Hana CUI                                                                                                                                   |
| Business Process Reference | 09.06.02.04. Manage Centralized Outgoing Payments on Behalf of Subsidiaries<br>09.06.02.05. Manage Centralized Incoming Payments on Behalf of Subsidiaries |

## Functional Overview

Its needed to enable a monitor that is able so display the invoices selected in the IHB and the ones that not in case its needed to take action.

This will require a FIORI app to access by business.

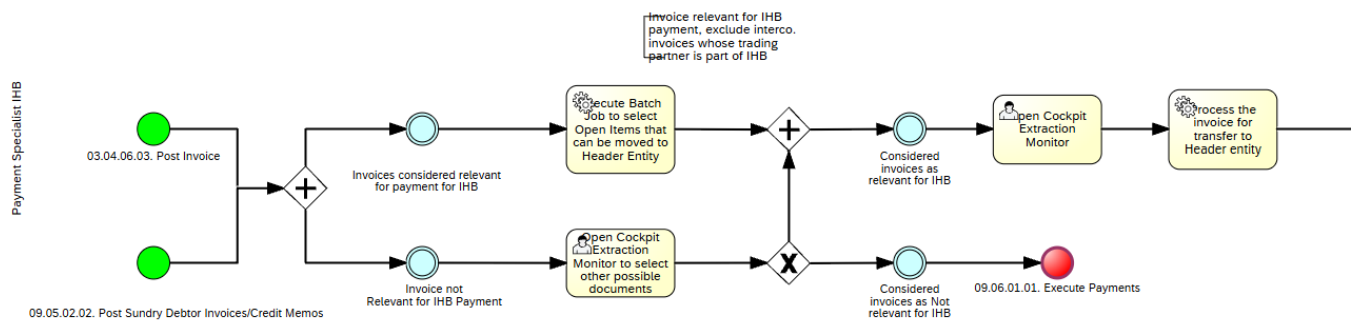
## Scope and Objectives

The project involves the implementation of a factoring solution within In-House Bank (IHB) using the S/4 Hana FI/IHB module. This system is designed to handle transfer of AP/AR items that are relevant for factoring, to the IHB center for further collection/payable management.

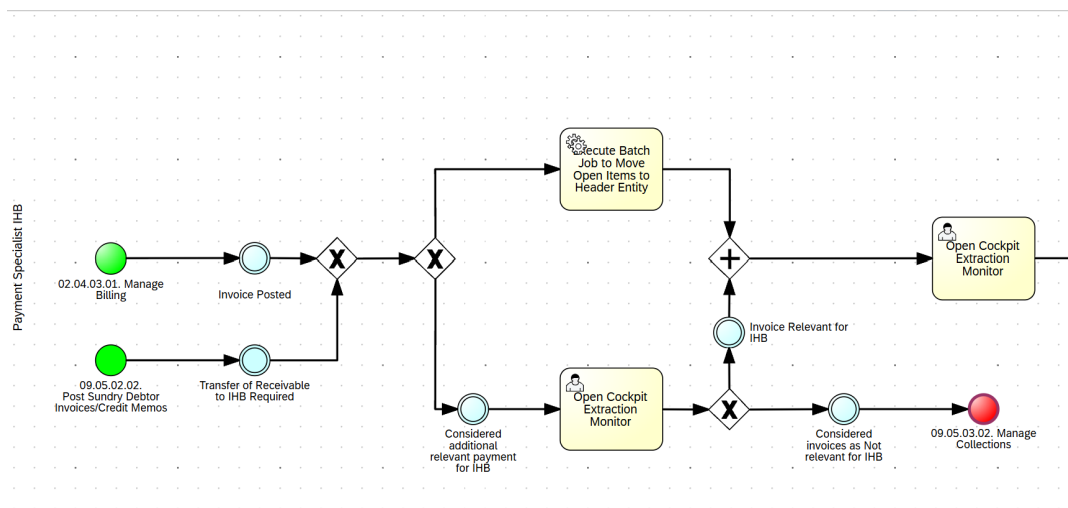
This enhancement covers the monitor to review the integrated items and bring the capacity to integrate new ones.

## Process Flow Diagram

09.06.02.04. Manage Centralized Outgoing Payments on Behalf of Subsidiaries



## 09.06.02.05. Manage Centralized Incoming Payments on Behalf of Subsidiaries



| Step | Description                                     | Comment                                                                                                                                                                                                             |
|------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Open the Fiori application to access the report |                                                                                                                                                                                                                     |
| 2    | Select the parameters from the selection screen | The report should have a selection screen with the following fields .All fields they need to be able to select single value, a range of information or multiple values.                                             |
| 3    | Display the output of the report                | The Output of the report should be List Report features to add / remove fields , sort , sum/semisum, sort, filter, ...                                                                                              |
| 4    | Select / Deselect invoices for Factoring        | When I display the information, I should be able to select and deselect the relevant invoices for Factoring (selection flag with multiple selection or all should be available and a button to execute the action). |

## Assumptions

N/A

## Dependencies

Finance Invoice settings

APM / In House Bank Settings

Enhancements relating to performing factoring of the open invoices (AP/AR) from affiliate to IHB from 953 to 959 and 963

## Security, Integrity and Controls

09.06.02.05. Manage Centralized Incoming Payments on Behalf of Subsidiaries / 09.06.02.04. Manage Centralized Outgoing Payments on Behalf of Subsidiaries for In House Bank the authorization is only based on access to the functionality for In-house Bank Payment Processor role

Authorization check will be implemented on Company code level. Other authorization checks to be confirmed based on requirements.

## Configuration Requirements

Finance Invoice settings

APM / In House Bank Settings

## Language Requirements

All custom error messages need to be translated into the four core logon languages (English, French, Italian, and Mandarin) defined in [KDD055 - Multi-Language Support](#).

## Special Requirements

NA

## Design Rationale

### Functional Requirements

Factoring Monitor Report configuration and usage must adhere to SAP S/4HANA standard reporting principles and enterprise value policies. Access to the report and related invoice actions is to be governed strictly by role-based security authorization profiles.

Report selection screen parameters must allow input of single, range or multiple values for all key fields (company code, posting date, fiscal year, document type, and invoice document number) based on standard SAP selection method protocols.

Any invoice flagged or de-flagged for factoring must trigger real-time updates to Payment Block Key, House Bank and Account ID fields .

Fiori capabilities similar to List Report output grid must comply with usability standards by providing authorized users the ability to sort, filter, sum, add /remove columns, and export data in standard SAP-supported formats; navigation to source FI, MM, or SD document screens (e.g., Display Journal Entries - F0717, Display Billing Documents - F1901, Display Supplier Invoice - MIR4) must be enabled via configured SAP API services or classic transaction links.

Key functionalities include navigational access from reference document links to underlying FI, SD, or MM invoice transactions, supporting detailed examination and audit trails.

### Proposed Technology to Use

Custom program

### Data Source Considerations

The main tables to retrieve the information are:

- Finance information : ACDOCA (or BSEG, BKPF, FAGLFLEXA,FAGLFLEXT... )
- IHB Contract : /PF1/DB\_ORDER ( from Clearing area onwards from the previous list )
- Payment Information : BNK\_BATCH\_ITEM / BNK\_BATCH\_HEADER / REGUHM/REGUT / FEBEP

### Data Validation Considerations

NA

## Custom Tables

N/A.

## Master Data

NA

## Configuration Table

NA

## Selection Screen Enhancement

The report should have a selection screen with the following fields :

| Field Name                                   | Description                                                        | Select:        | Data Type /Length | Default Value/ Validation rule/ Value Help | Selection Logic |
|----------------------------------------------|--------------------------------------------------------------------|----------------|-------------------|--------------------------------------------|-----------------|
| BUKRS                                        | Company code                                                       | Multiple entry | CHAR(4)           |                                            | Mandatory Field |
| KUNNR                                        | Customer Number : Customer account number for receivables postings | Multiple entry | CHAR(10)          |                                            |                 |
| LIFNR                                        | Vendor Number: Account number of vendor or creditor                | Multiple entry | CHAR(10)          |                                            |                 |
| BUDAT                                        | Posting Date: Date when the document was posted to SAP.            | Multiple entry | DATS (8)          |                                            | Mandatory Field |
| GJAHR                                        | Fiscal year                                                        | Single entry   | NUMC(4)           |                                            | Mandatory Field |
| Document Type (BLART)                        | Type of accounting document (invoice, payment, etc.)               | Multiple entry |                   |                                            |                 |
| BELNR for FI, billing document number for SD | Invoice document number                                            | Multiple entry |                   |                                            |                 |

## Processing Logic

The main tables to retrieve the information are:

- Finance information : ACDOCA (or BSEG, BKPF, PAYR, REGUT, FAGLFLEXA,FAGLFLEXT... )
- IHB Contract : /PF1/DB\_ORDER ( from Clearing area onwards from the previous list )
- Payment Information : BNK\_BATCH\_ITEM / BNK\_BATCH\_HEADER / REGUHM/REGUT / FEBEP

Its expected to use API to retrieve the information if possible:

- Display Journal Entries(for FI accounting documents) : CDS I\_JournalEntryItem/I\_AccountingDocumentJournal
- Display Billing Documents (for SD invoices) : CDS I\_JournalEntryItem/I\_AccountingDocumentJournal
- Display Supplier Invoice (for MM vendor invoices) : CDS I\_JournalEntryItem/I\_AccountingDocumentJournal

|                                        |                                                                                                                                            |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| D<br>is<br>pl<br>a<br>y<br>t<br>h<br>e | The Output of the report should be able to share the following information:<br><br>Finance Information ( original invoice and header one ) |
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- Document Number (BELNR): Unique identifier for the accounting document . This field should be possible to navigate to display the FI invoice. same logic as FAGLL03 report
- Company Code (BUKRS): Company code where the document was posted
- Fiscal Year (GJAHR): Fiscal year of the document posting
- Document Date (BLDAT): Date on the document
- Posting Date (BUDAT): Date when the document was posted to SAP
- Document Type (BLART): Type of accounting document (invoice, payment, etc.)
- Reference Document (XBLNR): External reference number . This field should be possible to navigate to display the FI invoice. It can be use th FAGLL03 report
- Customer ( KUNNR ) / Vendor (LIFNR ) : Customer / Vendor account number.
- Header Text (BKTXT): Descriptive text for the document header . *This will include the invoice reference number of the subsidiary . So it should information of the invoice of the subsidiary.*
- Currency (WAERS): Document currency
- Entry Date (CPUDT): Date when document was entered into system
- Entered By (USNAM): User who created the document
- Amount (WRBTR): Amount in document currency
- Cash Discount Amount ( WSKTO ) : Cash discount amount in document currency
- Cash discount percentage rate ( SKTOF ) : Cash Discount Percentage
- Assignment (ZUONR): Assignment field for additional reference
- Text: Line item text description
- Cost Center (KOSTL): Cost center assignment
- Business Area (GSBER): Business area assignment
- Profit Center: Profit center assignment
- Trading Partner (VBUND): Trading partner information
- Sales Order (KDAUF): Sales order reference
- Sales Order Item (KDPOS): Sales order line item reference
- SD Billing ( AWEKEY ) : SD Billing Document
- Payment Ref ( KIDNO ) : Payment Reference
- Reference Key (XREF1 ) : Relevance information in text field
- Reference Key (XREF2 ) : Relevance information in text field
- Reference Key (XREF3 ) : Relevance information in text field
- House Bank (HBKID): Bank identification key for house bank master data
- Account ID (HKTID): Account identifier within the house bank
- Payment Block Key (ZLSPR): Field for selected invoices for factoring

IHB Contract :

- Clearing Area ( /PF1/DB\_ORDER- CLEARING\_AREA): Clearing area identifier for payment processing
- Factoring Contract Number (/PF1/DB\_ORDER- PO\_NO) : Unique payment item number
- Payment Item Date (/PF1/DB\_ORDER- or PL\_PROC\_DATE or PO\_DATE ) : Date of the payment item
- Technical Status ( /PF1/DB\_ORDER- TECH\_STAT ) : Technical processing status of payment item
- Transaction Type (/PF1/DB\_ORDER- PO\_TYPE ) : Type of payment transaction
- Transaction Amount ( /PF1/DB\_ORDER - SUM\_ITEMS ) : Payment transaction amount
- Transaction Currency ( /PF1/DB\_ORDER -SUM\_CURR ) : Currency code for transaction amount

Payment information:

From the header document in case of payable:

- Batch : Unique identifier linking to BNK\_BATCH\_HEADER from BNK\_BATCH\_ITEM ( [GUID](#) or )
- Item Number : ( ITEM\_NO -BNK\_BATCH\_ITEM ) Sequential number identifying individual items within batch
- Document reference: VBLNR - BNK\_BATCH\_ITEM
- Vendor/Customer ( LIFNR / KUNNR- BNK\_BATCH\_ITEM ) Business partner number (vendor or customer)
- Item Status ( STATUS - BNK\_BATCH\_ITEM ) Current processing status of the payment item

In case of receivable from the bank reconciliation:

- Reconciled Item : FEBEP- VB2OK = 'X' its reconciled . VB2OK = '' means unreconciled. when its reconciled the report should say ACCEPTEI

### Finance information link to IHB Contract

The header information - FI document : BUKRS (Company Code) / BELNR (Document Number) / GJAHR (Fiscal Year) ( ie: 1010/0123456789/20  
Reference field of the IHB contract BNK\_BATCH\_HEADER - SND\_INT\_REF. This is the Payment reference text ( CHAR35 )

### Finance information link to Payment information:

From the header invoice you can find the subsidiary invoice in the BKTXT . This field is stored in the BSEG table. You can access using the FI head the previous point in the BSEG and get the SGTXT

Table: BSEG Accounting Document Segment

Text Table:

Displ. Variant:

Max. Number of Hits: 500

☐ No Texts

☐ Maintain Entries

Get Field:

Selection Criteria

| Fld Name        | O... | Frm-Val. | To-Value | More | Output                              | Technical Name |
|-----------------|------|----------|----------|------|-------------------------------------|----------------|
| Client          |      |          |          |      |                                     | MANDT          |
| Company Code    |      |          |          |      | <input checked="" type="checkbox"/> | BUKRS          |
| Document Number |      |          |          |      | <input checked="" type="checkbox"/> | BELNR          |
| Fiscal Year     |      |          |          |      | <input checked="" type="checkbox"/> | GJAHR          |

Text

☒ SGTXT

- Finance:

- PAYR: Contains payment medium file numbers and payment document references for tracking payment batches ( Invoice documents BEL
- REGUT: Stores detailed invoice information selected during payment run processing. ( Payment Run LAUFI )

Primary Linking Fields from PAYR and REGUT are : LAUFI Payment Run , LAUFD Payment Run , BUKRS Company & LIFNR Vendor Number

- BCM:

- BNK\_BATCH\_HEADER: Batches created from collector processing
- BNK\_BATCH\_ITEM Individual payment items within batches that include the payment status ( STATUS )

Primary Linking Field is GUID

Table: BNK\_BATCH\_HEADER Batch Header

Text Table:

Displ. Variant:

Max. Number of Hits: 500

☐ No Texts

☐ Maintain Entries

Get Field:

Selection Criteria

| Fld Name     | O... | Frm-Val. | To-Value | More | Output                              | Technical Name |
|--------------|------|----------|----------|------|-------------------------------------|----------------|
| Client       |      |          |          |      |                                     | MANDT          |
| Batch GUID   |      |          |          |      | <input checked="" type="checkbox"/> | GUID           |
| Batch Number |      |          |          |      | <input checked="" type="checkbox"/> | BATCH_NO       |
| Batch ID     |      |          |          |      | <input checked="" type="checkbox"/> | BATCH_ID       |

Table: BNK\_BATCH\_ITEM Batch Payment Items

Text Table:

Displ. Variant:

Max. Number of Hits: 500

☐ No Texts

☐ Maintain Entries

Get Field:

Selection Criteria

| Fld Name   | O... | Frm-Val. | To-Value | More | Output                              | Technical Name |
|------------|------|----------|----------|------|-------------------------------------|----------------|
| Client     |      |          |          |      |                                     | MANDT          |
| Batch GUID |      |          |          |      | <input checked="" type="checkbox"/> | GUID           |

Payment Run ID (LAUFI + LAUFD): Links F110 payment runs ( REGUV, REGUP or REGUH )to BCM thru BNK\_BATCH\_HEADER :

Table:

Batch Header

☐ No Texts

Text Table:

Displ. Variant:

Max. Number of Hits:

☐ Maintain Entries

Get Field:

Selection Criteria

| Fld Name     | O..                              | Frm-Val.             | To-Value             | More                             | Output                              | Technical Name |
|--------------|----------------------------------|----------------------|----------------------|----------------------------------|-------------------------------------|----------------|
| Client       |                                  |                      |                      |                                  |                                     | MANDT          |
| Batch GUID   | <input type="button" value="⬅"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="➡"/> | <input checked="" type="checkbox"/> | GUID           |
| Batch Number | <input type="button" value="⬅"/> |                      |                      | <input type="button" value="➡"/> | <input checked="" type="checkbox"/> | BATCH_NO       |
| Rule Id      | <input type="button" value="⬅"/> |                      |                      | <input type="button" value="➡"/> | <input checked="" type="checkbox"/> | RULE_ID        |
| No. of Paymt | <input type="button" value="⬅"/> |                      |                      | <input type="button" value="➡"/> | <input checked="" type="checkbox"/> | ITEM_CNT       |
| Merge date   | <input type="button" value="⬅"/> |                      |                      | <input type="button" value="➡"/> | <input checked="" type="checkbox"/> | LAUFD          |
| Merge Id     | <input type="button" value="⬅"/> |                      |                      | <input type="button" value="➡"/> | <input checked="" type="checkbox"/> | LAUFI          |

**Finance information link to Reconciliation:**

From the invoice ( BESEG , BKPF ,ACDOCA ) & Reconciliation ( FEBEP, FEBKO ) it will use the company code ( BUKRS , accounting document Fiscal Year GJAHR and line item number ( BUZEI)

It should be available List report features to add / remove fields , sort , sum/semisum, sort, filter, ...

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When I display the information, I should be able to select and deselect the relevant invoices for Factoring (selection flag with multiple selection or all and a button to execute the action). This should happen to be updating the invoice ( like FB02 ) the fields Payment Block Key ( ZLSPR ) and House case of select it should be flagged Block Key ( ZLSPR ) and it should be populated HKID with IHB1value

Technically it can be used the RAP action Post I\_JournalEntryItem to update Payment Block Key ( ZLSPR ) and I\_JournalEntryTP to update House

In case of deselect , beyond removing values from Block Key ( ZLSPR ) and House Bank (HBKID). It should be verified that the Factoring contract is information - FI document : BUKRS (Company Code )/ BELNR (Document Number) / GJAHR (Fiscal Year) is stored in Reference field of any IH BNK\_BATCH\_HEADER - SND\_INT\_REF )

In case factoring contract is created reversal program should be called as well to reverse the factoring contract ([ERP-958 IHB Factoring - Reversal](#) |

Volumetrics

This volume is estimated to be approx: 10000

Performance Considerations

In case of performance issues due to large number of information to be processed it should be raised the message to restrict the selection parameters and stop the execution.

Error Handling

| Error Code | Description                                                                     | Type Of Error        | Resolution                                                                                                |
|------------|---------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------|
| ERR001     | Mandatory selection parameter missing (Company Code, Posting Date, Fiscal Year) | Validation Error     | Display error message and stop execution. User must populate all mandatory selection fields.              |
| ERR002     | Selection returns no accounting documents                                       | Business Validation  | Display information message "No data found for the selection criteria". Report execution ends gracefully. |
| ERR003     | Selection volume exceeds allowed threshold (performance safeguard)              | Performance Error    | Display error message requesting user to restrict selection criteria. Stop report execution.              |
| ERR004     | User not authorized to access IHB Factoring Monitor                             | Authorization Error  | Block execution and display authorization error based on IHB Payment Processor role.                      |
| ERR005     | Invoice already flagged for factoring                                           | Business Validation  | Prevent duplicate processing. Display warning and skip invoice from execution list.                       |
| ERR006     | Invoice not eligible for factoring (document type / status invalid)             | Business Validation  | Display error message and exclude invoice from factoring selection.                                       |
| ERR007     | Payment Block Key (ZLSPR) update failed                                         | Technical Error      | Roll back changes and display error. User to retry or contact IT support.                                 |
| ERR008     | House Bank (HBKID) not maintained for company code                              | Configuration Error  | Stop execution and prompt user to maintain House Bank configuration.                                      |
| ERR009     | Account ID (HKTID) missing or invalid                                           | Configuration Error  | Stop processing for affected invoice and request master data correction.                                  |
| ERR010     | IHB Contract Clearing Area not found                                            | Configuration Error  | Display error and block factoring execution until clearing area is correctly configured.                  |
| ERR011     | Factoring contract creation failed                                              | Technical Error      | Roll back all updates (Payment Block, House Bank, Account ID). Display technical error message.           |
| ERR012     | Factoring contract already exists for invoice                                   | Business Validation  | Prevent duplicate contract creation. Display warning message.                                             |
| ERR013     | Deselection failed – existing factoring contract not found                      | Business Validation  | Display error and prevent deselection. User to verify contract status.                                    |
| ERR014     | Factoring contract reversal failed during deselection                           | Technical Error      | Roll back deselection changes and display error. Manual reversal may be required.                         |
| ERR015     | Error retrieving accounting document data (ACDOCA / BSEG / BKPF)                | Technical Error      | Stop execution and display data retrieval error.                                                          |
| ERR016     | Error retrieving IHB contract data (/PF1/DB_ORDER)                              | Technical Error      | Display error and prevent factoring action for impacted invoices.                                         |
| ERR017     | Error retrieving payment batch data (BNK_BATCH_ITEM / HEADER)                   | Technical Error      | Display warning; factoring selection still allowed but payment status not shown.                          |
| ERR018     | Error retrieving reconciliation data (FEBEP / FEBKO)                            | Technical Error      | Display warning; reconciliation status set to "Pending".                                                  |
| ERR019     | Navigation to source document failed (FB03 / VF03 / MIR4)                       | Technical Error      | Display navigation error message. No impact on factoring status.                                          |
| ERR020     | API call failure (Journal Entry / Supplier Invoice APIs)                        | Technical Error      | Stop execution for affected records and display API error details.                                        |
| ERR021     | Inconsistent update detected (partial execution of steps)                       | Data Integrity Error | Trigger rollback logic to ensure none of the steps are executed. Display consistency error.               |
| ERR022     | Unexpected system error during execution                                        | System Error         | Log error details, rollback changes, and display generic system error message.                            |

## Testing

### How to Test

### Test Conditions and Expected Results

Positive scenario

| ID     | Condition                 | Expected Result                      |
|--------|---------------------------|--------------------------------------|
| PT -01 | Run the Fiori application | Selection Screen should be displayed |

|        |                                |                               |
|--------|--------------------------------|-------------------------------|
| PT- 02 | Execute the Report layout      | Report information is shown   |
| PT- 03 | Select invoice for factor      | Invoice integrated in the IHB |
| PT- 04 | Deselect invoice for factoring | Invoice reversed from the IHB |

Negative scenario

#### 1. Selection Screen / Report Execution – Negative Test Cases

| TC ID | Scenario       | Negative Condition                                                    | Expected Result                                  |
|-------|----------------|-----------------------------------------------------------------------|--------------------------------------------------|
| NT01  | Execute report | Mandatory fields (Company Code, Posting Date, Fiscal Year) not filled | Error message shown; execution stopped           |
| NT02  | Execute report | Invalid Company Code entered                                          | Error message; no execution                      |
| NT03  | Execute report | Fiscal Year not matching posting date                                 | Validation error                                 |
| NT04  | Execute report | Selection returns no invoices                                         | Informational message "No data found"            |
| NT05  | Execute report | Very wide selection (> volume threshold ~10,000)                      | Performance error requesting restricted criteria |
| NT06  | Execute report | User without IHB Payment Processor role                               | Authorization error; report blocked              |
| NT07  | Execute report | User authorized but not for selected company code                     | Authorization error at company code level        |
| NT08  | Execute report | Invalid document number format                                        | Validation error                                 |
| NT09  | Execute report | Invalid BLART (Document Type)                                         | Validation error                                 |
| NT10  | Execute report | Backend data source unavailable (ACDOCA/BSEG/BKPF)                    | Technical error; execution stopped               |

#### 2. Invoice Eligibility & Business Validation – Negative Test Cases

| TC ID | Scenario          | Negative Condition                                        | Expected Result                           |
|-------|-------------------|-----------------------------------------------------------|-------------------------------------------|
| NT11  | Invoice selection | Invoice already flagged for factoring (ZLSPR already set) | Warning; invoice excluded                 |
| NT12  | Invoice selection | Factoring contract already exists                         | Warning; duplicate processing blocked     |
| NT13  | Invoice selection | Document type not eligible for factoring                  | Error; invoice not selectable             |
| NT14  | Invoice selection | Invoice already paid                                      | Error or exclusion based on business rule |
| NT15  | Invoice selection | Invoice partially cleared                                 | Error; excluded from factoring            |
| NT16  | Invoice selection | Posting status not "posted"                               | Error; excluded                           |
| NT17  | Invoice selection | Trading partner inconsistent with IHB setup               | Business validation error                 |
| NT18  | Invoice selection | Currency incompatible with factoring contract             | Validation error                          |

#### 3. Factoring Action (Select for Factoring) – Negative Test Cases

| TC ID | Scenario       | Negative Condition                                    | Expected Result                     |
|-------|----------------|-------------------------------------------------------|-------------------------------------|
| NT19  | Select invoice | House Bank (HBKID) not maintained                     | Configuration error; stop execution |
| NT20  | Select invoice | Account ID (HKTID) missing                            | Configuration error                 |
| NT21  | Select invoice | Clearing Area not configured                          | Configuration error                 |
| NT22  | Select invoice | RAP API update for ZLSPR fails                        | Rollback; technical error displayed |
| NT23  | Select invoice | RAP API update for HBKID fails                        | Rollback; technical error           |
| NT24  | Select invoice | Partial update detected (ZLSPR updated, HBKID failed) | Rollback; data integrity error      |
| NT25  | Select invoice | Factoring contract creation fails                     | Full rollback; technical error      |
| NT26  | Select invoice | Network/API timeout during factoring                  | Rollback; technical error           |
| NT27  | Select invoice | API I_JournalEntryItem not available                  | Error; factoring stopped            |

|      |                |                                           |                                |
|------|----------------|-------------------------------------------|--------------------------------|
| NT28 | Select invoice | User attempts bulk select exceeding limit | Execution stopped with warning |
|------|----------------|-------------------------------------------|--------------------------------|

#### 4. DeSelection (Remove from Factoring) – Negative Test Cases

| TC ID | Scenario         | Negative Condition                         | Expected Result                        |
|-------|------------------|--------------------------------------------|----------------------------------------|
| NT29  | Deselect invoice | Factoring contract reference not found     | Error; deselection blocked             |
| NT30  | Deselect invoice | Contract exists but reversal program fails | Rollback; manual intervention required |
| NT31  | Deselect invoice | Reversal program (ERP958) not callable     | Technical error                        |
| NT32  | Deselect invoice | Invoice already settled                    | Error; deselection blocked             |
| NT33  | Deselect invoice | Partial reversal executed                  | Full rollback; data consistency error  |

#### 5. Payment & BCM Integration – Negative Test Cases

| TC ID | Scenario           | Negative Condition         | Expected Result                    |
|-------|--------------------|----------------------------|------------------------------------|
| NT34  | BCM status display | BNK_BATCH_HEADER not found | Warning; factoring allowed         |
| NT35  | BCM status display | BNK_BATCH_ITEM missing     | Warning; status shown as "Unknown" |
| NT36  | Payment display    | REGUT data inconsistent    | Warning; payment info not shown    |

#### 6. Reconciliation Integration – Negative Test Cases

| TC ID | Scenario              | Negative Condition       | Expected Result                            |
|-------|-----------------------|--------------------------|--------------------------------------------|
| NT37  | Reconciliation status | FESEP/FEKOK unavailable  | Warning; reconciliation shown as "Pending" |
| NT38  | Reconciliation status | VB2OK value inconsistent | Warning; default to "Pending"              |

#### 7. Navigation & UI – Negative Test Cases

| TC ID | Scenario                | Negative Condition                | Expected Result                       |
|-------|-------------------------|-----------------------------------|---------------------------------------|
| NT39  | Navigate to FI document | FB03 navigation fails             | Error message; no impact on factoring |
| NT40  | Navigate to SD invoice  | VF03 link broken                  | Error message                         |
| NT41  | Navigate to MM invoice  | MIR4 link not authorized          | Authorization error                   |
| NT42  | Export report           | Export fails due to authorization | Error message                         |
| NT43  | Add/remove columns      | Unauthorized personalization      | Action blocked                        |

#### 8. Data Integrity & System Stability – Negative Test Cases

| TC ID | Scenario           | Negative Condition                 | Expected Result                     |
|-------|--------------------|------------------------------------|-------------------------------------|
| NT44  | System failure     | Unexpected dump during execution   | Rollback; generic system error      |
| NT45  | Parallel execution | Same invoice selected by two users | Second execution blocked            |
| NT46  | Data consistency   | Stale data cache                   | Forced refresh or error             |
| NT47  | Language handling  | Error message not translated       | Fallback to English + defect logged |

#### 9. Security & Compliance – Negative Test Cases

| TC ID | Scenario | Negative Condition | Expected Result |
|-------|----------|--------------------|-----------------|
|-------|----------|--------------------|-----------------|

|      |          |                                    |                                   |
|------|----------|------------------------------------|-----------------------------------|
| NT48 | Security | User bypasses UI checks via API    | Authorization enforced at backend |
| NT49 | Security | Role missing company authorization | Execution blocked                 |

## Test Considerations/Dependencies

Data set should be created for multiple scenarios:

AP:

- Invoice factored and paid
- Invoice factored but not paid
- Invoice non factored

AR

- Invoice factored and paid
- Invoice factored but not paid
- Invoice non factored

## 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 |
|---------------------------|----------|
| No files shared here yet. |          |

## Change log

| Version                | Published                 | Changed By               | Comment |
|------------------------|---------------------------|--------------------------|---------|
| <b>CURRENT (v. 34)</b> | <b>Apr 22, 2026 21:16</b> | <b>PERAL-ext, Carlos</b> |         |
| v. 33                  | Apr 22, 2026 15:57        | PERAL-ext, Carlos        |         |
| v. 32                  | Apr 17, 2026 06:36        | K N-ext, Manjunath       |         |
| v. 31                  | Apr 17, 2026 04:22        | K N-ext, Manjunath       |         |
| v. 30                  | Apr 16, 2026 21:43        | PERAL-ext, Carlos        |         |
| v. 29                  | Apr 16, 2026 13:29        | K N-ext, Manjunath       |         |
| v. 28                  | Apr 16, 2026 12:24        | K N-ext, Manjunath       |         |
| v. 27                  | Apr 16, 2026 12:16        | K N-ext, Manjunath       |         |
| v. 26                  | Apr 14, 2026 12:43        | PERAL-ext, Carlos        |         |
| v. 25                  | Apr 13, 2026 03:49        | K N-ext, Manjunath       |         |

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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.

| May 07, 2026                      | Actor                                                                                                       | Type  | Activity                                                                                                                                                                                                                                                                                                                                             | Version |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Approved                          |  BOUMSSAHAL-ext, Mohamed | State | changed state to <b>Approved</b> at 12:44 pm                                                                                                                                                                                                                                                                                                         | v34     |
| Lead Approval                     |  BOUMSSAHAL-ext, Mohamed | State | gave <i>POD Lead Review</i> approval at 12:44 pm                                                                                                                                                                                                                                                                                                     |         |
| Apr 27, 2026                      |                                                                                                             |       |                                                                                                                                                                                                                                                                                                                                                      |         |
|                                   |  TORRES-ext, Benedict    | State | changed expiry date to '04 May, 2026 11:54 am' at 11:54 am                                                                                                                                                                                                                                                                                           |         |
|                                   |                                                                                                             | State | changed state to <b>Lead Approval</b> at 11:54 am                                                                                                                                                                                                                                                                                                    | v34     |
| Tech Review                       |  TORRES-ext, Benedict    | State | gave <i>Tech Review</i> approval at 11:54 am                                                                                                                                                                                                                                                                                                         |         |
| From Mar 23, 2026 to Apr 22, 2026 |                                                                                                             |       |                                                                                                                                                                                                                                                                                                                                                      |         |
|                                   | K N-ext, Manjunath , PERAL-ext, Carlos and TORRES-ext, Benedict                                             | Edit  | multiple updates from  K N-ext, Manjunath ,  PERAL-ext, Carlos and  TORRES-ext, Benedict |         |