


ERP-164 CATS Enhancement for Intercompany Recharge

Status	Approved
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Jira Request ID	 ERP-164 - Jira project doesn't exist or you don't have permission to view it.
Jira Development ID	 ERP-126 - Jira project doesn't exist or you don't have permission to view it.

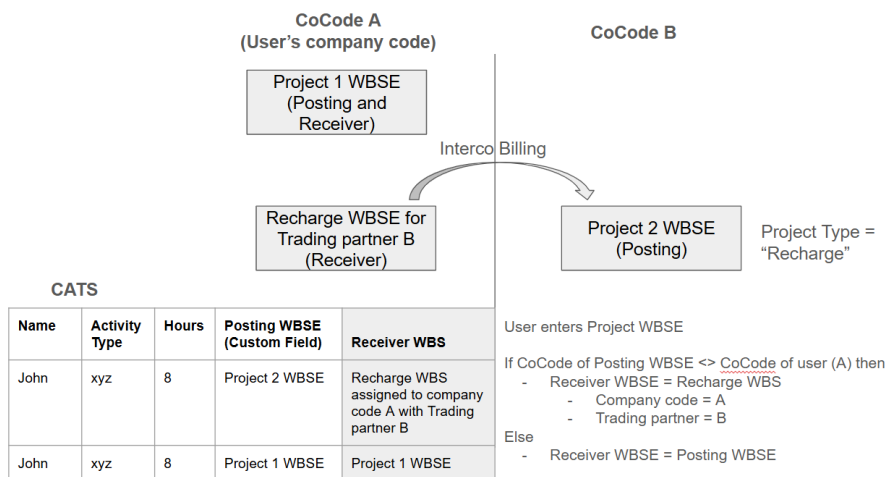
High- Level Specification

Parameter	Value
Application System	SAP S/4HANA - China instance SAP S/4HANA - Rest of World instance
Business Process Reference	10.02.03.04. Manage Project Time Allocation

Functional Overview

The intent is to make a WBS elements available for timesheet booking when resources are required from another company code or from a different SAP instance (cross-instance).

This FS focuses on adapting the CATS and My Timesheet applications to capturing the time and cost against a Posting WBS element, and when necessary, redirect it to a Receiver WBS element, which will be used for IC recharge.



Scope and Objectives

CATS only allows booking against a single WBS element using the standard Receiver WBS field, which is insufficient for intercompany scenarios.

To address this, the solution must:

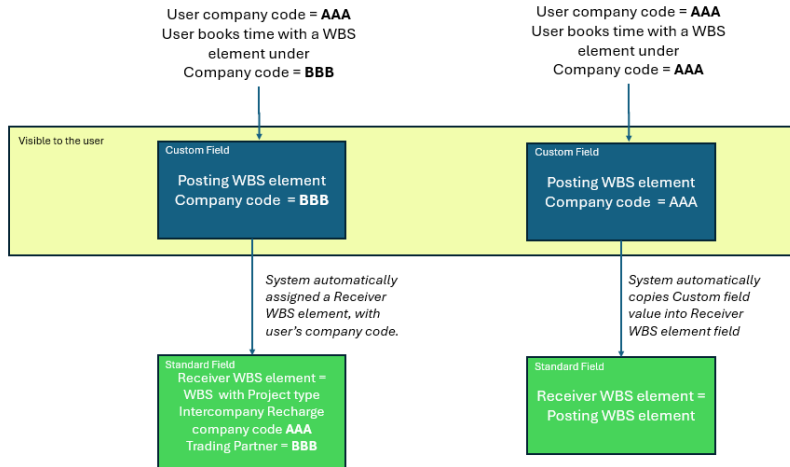
- Capture **2 WBS** : the **Posting WBS element** selected by the user, and the **Receiver WBS element** used for financial posting.

- Keep the process simple for users, who will only select the Posting WBS element.
- Ensure the system automatically derives and populates the Receiver WBS element according to defined rules.

The objective is to enhance CATS/My Timesheet application so that it supports intercompany service recharges seamlessly, allowing users to continue booking time easily while ensuring costs are posted correctly to the appropriate WBS element.

A custom table **/SYQ/T_CATSIC** is created under Jira ID **ERP-165**. This table stores all WBS elements generated locally (in the same system where users record their time) as well as WBS elements originating from other systems that are flagged as Cross System. The user will be selecting the WBS elements to book time against from this table.

Process Flow Diagram



Step	Description	Comment
1	User can create time entry records against: <ul style="list-style-type: none"> • A WBS element within the user's company code • A WBS element that belongs to another company code. 	
2	User creates an entry in My Timesheet V4.	User only sees one field to book time against: Posting WBS element.
3	User searches for the Posting WBS to book time against. Search help offers different criteria: <ul style="list-style-type: none"> • Posting WBS element ID • Posting WBS element Description • Related Project id • Related project definition • Person Responsible • Project type 	A custom table /SYQ/T_CATSIC was created under Jira ID ERP-165 . This table stores all WBS elements generated locally (in the same system where users record their time) as well as WBS elements originating from other systems that are flagged as Cross System . The user will be selecting the Posting WBS elements to book time against from this table. The result list will exclude the entries which are not relevant for time entry (Inactive status).
4	User selects the Posting WBS element.	The system automatically populates the standard field Receiver WBS element: See functional requirement section for details.
5	Assign time and Save the entry.	Entry can be save and is visible in CATSDB. Standard field Receiver WBS element and custom field Posting WBS element are populated in the table CATSDB.

Assumptions

WBS elements with Project type = 15 Intercompany code Recharge are created for each company codes in scope for Time entry and each Trading Partners possible.

Dependencies

- [ERP-165 Multi Instance Data Sync - CATS Enhancement for Intercompany Recharge](#): A custom table **/SYQ/T_CATSIC** is defined. This table stores all WBS elements created locally (in the same system where users record their time) as well as WBS elements originating from other systems that are flagged as **Cross System**. The custom table stores all the possible entries for the user to select the Posting WBS element, which will be used to derive the Receiver WBS element while saving the time entries.
- [ERP-511 WBS element search help](#) custom search help for Posting WBS element.
- [ERP-1455 CATS enhancement auto populate Posting CC for statistical WBS element](#)

Security, Integrity and Controls

Posting WBS element is to be used by all users with My Timesheet access, with Time entry role.

Configuration Requirements

- CATS configuration with Time entry and Administrator data entry profile must be created.
- Once the custom field is created, the Data entry profile must be configured with the custom field in order to be used in My Timesheet.

Language Requirements

Not Applicable

Special Requirements

Not Applicable

Design Rationale

Functional Requirements

The requirement can be divided into 4 main sections:

1. Create a custom field in CATS database and in My Timesheet V4:

A new custom field **Posting WBS Element** must be available in **CATS (SAP GUI)** and **My Timesheet (Fiori V4)**.

This field will serve as the primary input for users to record the WBS element against which their time should be booked.

Add the custom field directly to the CI_CATSDB structure, which extends the core CATSDB table for customer-specific data.

Refer to SAP note: <https://me.sap.com/notes/3515819/E>

- **Table:** CATSDB, **Customer Include:** CI_CATSDB
- **Reference Table:** /SYQ/T_CATSIC - field CATSWBS

Map custom field to Data entry profile via configuration.

The field needs to be mapped to the CATS custom field holders via configuration.

SPRO Cross-Application Components Time Sheet Settings for All User Interfaces Customer-Specific Enhancements Customer-Specific Fields

Add the custom field to CDS views for My Timesheet V4 (Front-end)

Extend CDS views to include the custom field for:

- **Form entries** (time recording)
- **Assignments**

Refer to SAP note: <https://me.sap.com/notes/3515819/E>

2. Search help extension in My Timesheet V4 (Front-end):

Enable search **Posting WBS element** search help with the below attributes from table /SYQ/T_CATSIC:

WBS element search help is defined in Jira id [ERP-610 WBS element search help](#).

3. Automatically populate the CATS standard field Receiver WBS element (backend):

3 possible scenarios:

3.1 If the selected WBS element "Posting WBS elements" is assigned to the **same company code** as the Personnel id then **Receiver WBS element = Posting WBS element**

3.2 If the selected WBS element "Posting WBS elements" is **set as statistical** and is assigned to a **different company code** as the Personnel id then **Receiver WBS element = Posting WBS element**.

Standard error message will occur when submitting the entry: "Receiver WBS element does not exist" or "Receiver and sender have different company codes". The entry cannot be saved.

3.3 If the selected WBS element "Posting WBS elements" is **not set as statistical** and is assigned to a **different company code** as the Personnel id then **Receiver WBS element = Recharge WBS element** assigned to the personnel id's company code. When submitting the entry, a warning is displayed "You are booking time to a WBS element in a different company code than your own. Please confirm this is correct before submitting.". The user can confirm and the system proceeds with saving.

User exit CATS0002 (Supplement recorded data): Here you can modify the record entered by the user, and add the Receiver WBS element before saving.

Once the user selects a Posting WBS element via the **custom field**, the system must populate the **standard CATS field Receiver WBS element (CATSD-RPROJ)** according to the processing logic.

4. Control at saving, check if Posting WBS element status is active (Back-end).

Before saving the entry, check if the Posting WBS element is active in the table /SYQ/T_CATSIC, field CATSINAC.

If active, proceed to saving.

If not active, no saving, return an error message "Posting WBS element { XXXX } is not active for booking. Please enter a valid WBS element. Entries cannot be saved"

BAdI CATS_RECORDING method CHECK_REC_DATA can be used.

Recommended UI Technology

Not Applicable

Processing Logic

Search for a Booking WBS element

1. User opens the search help dialog
2. The search help displays the fields referring to /SYQ/T_CATSIC which can be used for search.
3. User enters a value in some of the proposed fields
4. System lists the Posting WBS elements responding to the search criteria, and exclude the ones set to Inactive in /SYQ/T_CATSIC field CATSINAC.
5. User selects the Posting WBS element for time entry.

Auto-populate Receiver WBS element field / Check if Booking WBS element is active

Step-by-Step Logic

1. User selects the Posting WBS element CATSWBS, fetching table /SYQ/T_CATSIC.
2. User hits the save button.
3. System checks if WBS element is a statistical WBS element: table /SYQ/T_CATSIC field CATSXTAT = X then no further action. If CATSXSTAT = " " then proceed with next steps.
4. System Reads the company code assigned to selected entry in table /SYQ/T_CATSIC field CATSCOMPCOD.
5. Read the user's Personnel id (PERNR)'s company code
6. If PERNR's company code = company code assigned to Posting WBS element (table /SYQ/T_CATSIC field CATSCOMPCOD)
 - Copy Posting WBS element ID (CATSWBS) into standard CATS field Receiver WBS element RPROJ.
7. If PERNR's company code is different than company code assigned to Posting WBS element (table /SYQ/T_CATSIC field CATSCOMPCOD) and Posting WBS element is **statistical** CATSXSTAT = X

- Copy Posting WBS element ID (CATSWBS) into standard CATS field Receiver WBS element RPROJ.
 - This will trigger a standard error message and the time cannot be saved.
8. If PERNR's company code is different than company code assigned to Posting WBS element (table /SYQ/T_CATSIC field CATSCOMPCOD) and Posting WBS element is **not statistical** CATSXSTAT = " "

check table PRPS:

- project type (PRART) = 15 Intercompany Recharge
 - company code (PBUKR) = PERNR's company code
 - Trading partner (PRPS-SYTRADE_CC) = Posting WBS element company code CATSCOMPCOD
- Insert WBS element fetched from PRPS into field Receiver WBS element RPROJ
 - When submitting the entry, a warning is displayed "You are booking time to a WBS element in a different company code than your own. Please confirm this is correct before submitting.". The user can confirm and the system proceeds with saving.

7. Check if Posting WBS element CATSWBS selected by user is set to Inactive in /SYQ/T_CATSIC field CATSACINAC

- If CATSACINAC = Yes, error message "Booking WBS element { XXXX } is not active for booking. Please enter a valid WBS element. Entries cannot be saved".
- Else Save the entries.

Application Screen

Wireframe or Mock-Up

Standard Fiori app My Timesheet screens.

Screen Behavior

Standard behavior is not changed.

Screen Navigation

Standard navigation is not changed.

Data Integration

Field	Table-Field Name	Comments / Calculation / Field Manipulation / Input / Output / Validation rule / Value help
/SYQ /T_CATSIC	CATSWBS	Posting WBS element
PRPS	RPROJ, PBUKR, OBJNR, SYTRADE_CC	Retrieve Receiver WBS element, based on company code and status, and auto-populate Receiver WBS element.
/SYQ /T_CATSIC	CATSWBSDESC	WBS element description
/SYQ /T_CATSIC	CATSSTAT	System / User Status
/SYQ /T_CATSIC	CATSCOMPCOD	Company code
/SYQ /T_CATSIC	CATSRPROJ	Related Project id
/SYQ /T_CATSIC	CATSRPROJD	Related project description
/SYQ /T_CATSIC	CATSPRESP	Person Responsible Name
/SYQ /T_CATSIC	CATSACINAC	Inactive
/SYQ /T_CATSIC	CATSXSTAT	Statistical

JEST	STAT, OBJNR	used to retrieve Receiver WBS element, based on status
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Custom Tables

Custom table **/SYQ/T_CATSIC** used is defined in FS Multi Instance Data Sync - CATS Enhancement for Intercompany Recharge.

Master data

Field	Description	Data Type/Length	Validation rule / Value help

Configuration table

Field	Description	Data Type/Length	Validation rule / Value help

Tooltips

Not Applicable

Front-End

SAP Fiori app My Timesheet can be used on Desktop, Mobile.

Mobile Services

Not Applicable

Authentication & Authorization

Refer to Security Integrity and Control section

Accessibility

Not Applicable

Volumetrics

The volume of WBS elements is currently unknown.

Performance Consideration

N/A

Error Handling

Error handling mentioned in Processing logic section.

Testing

How to Test

The test must be executed first in the CATS **backend transaction (CAT2)** and then **My Timesheet V4 (Fiori application)**.

To ensure successful testing, the following conditions must be met for the tester's user:

1. **User–Personnel Link**
 - The tester's **User ID** must be linked to a valid **Personnel Number (PERNR)** through **Infotype 0105 (Communication)**.
2. **Personnel Master Data** On the same Personnel ID:
 - **Infotype 0315 (Time Sheet Defaults)** must contain a valid **Activity Type**.

- Infotype 0001 (Organizational Assignment) must contain an assigned Cost Center.
3. Costing Data
- A valid price (rate) for the combination of Cost Center / Activity Type must be maintained for the testing period.
4. CATS Profile - User Parameter
- User parameter CVR must be set to the Data Entry Profile that will be used for time entry.

Test Conditions and Expected Results

ID	Condition	Expected Result
1.1	Non-recharge scenario: Create an entry in My Timesheet and search for a Posting WBE element.	The custom field appears. Pop-up to search for Posting WBS element.
1.2	Search for a Posting WBS element with Inactive flag = Yes	No results returned.
1.3	Search for a WBS element using each of the fields for selection criteria.	Result returns active WBS element responding to criteria.
1.4	Select a WBS element in the result list with company code = User's personnel id's company code.	Booking WBS element ID is assigned to time entry field.
1.5	Enter time and save entry.	Value selected in /SYQ/CATSWBS is assigned to CATS standard field Receiver WBS element. Entry can be saved.
2.1	Recharge scenario: Create a new entry and select a WBS element with company code <> User's personnel id's company code.	Posting WBS element ID is assigned to time entry field.
2.2	Enter time and save entry.	WBS element with project type = Intercompany Recharge and company code = User's personnel id's company code, is assigned to the CATS standard field Receiver WBS element. When submitting the entry, a warning is displayed "You are booking time to a WBS element in a different company code than your own. Please confirm this is correct before submitting.". The user can confirm and the system proceeds with saving. Entry can be saved.
2.3	Repeat the 2 above tests while creating multiple entries before saving.	Relevant WBS elements are assigned in the field Receiver WBS element. Entries can be saved.
2.4	Copy some entries posted on a past day, to another day.	Relevant WBS elements are assigned in the field Receiver WBS element. Entries can be saved.
3.1	Create an assignments in My Timesheet and search for a Posting WBE element.	The custom field appears. Pop-up to search for WBS element from the Z table shows up.
3.2	Search for a WBS element with status = Closed / Canceled / Locked	No results returned.
3.3	Search for a Booking WBS element using each criteria.	Result returns relevant Posting WBS element.
3.4	Select a WBS element in the result list with company code <> User's personnel id's company code. Save assignment.	WBS element ID is assigned to Posting WBS element. Assignment can be saved.
3.5	Select a WBS element in the result list with company code = User's personnel id's company code. Save assignment.	WBS element ID is assigned to Posting WBS element. Assignment can be saved.

3.6	Book time using the created assignments. Submit entries.	<p>Relevant WBS elements are assigned in the field Receiver WBS element.</p> <p>When submitting the entry, a warning is displayed "You are booking time to a WBS element in a different company code than your own. Please confirm this is correct before submitting.". The user can confirm and the system proceeds with saving.</p> <p>Entries can be saved.</p>
4.1	<p>Book time on a statistical WBS element:</p> <p>Select a WBS element which has been flagged as Statistical assigned to a different company code as user's personnel id and book time against.</p>	Receiver WBS element = Posting WBS element. System does not allow saving (standard error message).
4.2	Select a WBS element which has been flagged as Statistical assigned to a different company code as user's personnel id and book time against.	Receiver WBS element = Posting WBS element. System allows saving.

Test Considerations/Dependencies

N/A

Other Information

Development Details

Package

Package Name	Parent Package

UI Implementation

UI Type	UI Name	Fiori Catalogue	Design Rationale Reference

API Implementation

API Type	API Name	Purpose / High Level Logic	API Product	Design Rationale Reference

Other Development Objects

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

Appendix

See also




Change log

Version	Published	Changed By	Comment
CURRENT (v. 28)	Apr 22, 2026 06:48	TURAN-ext, Mert	
v. 27	Apr 21, 2026 11:52	FRUTEAU-ext, Sabrina	
v. 26	Apr 20, 2026 11:30	FRUTEAU-ext, Sabrina	
v. 25	Feb 04, 2026 14:20	FRUTEAU-ext, Sabrina	
v. 24	Feb 04, 2026 10:05	FRUTEAU-ext, Sabrina	
v. 23	Feb 03, 2026 16:19	FRUTEAU-ext, Sabrina	
v. 22	Feb 03, 2026 16:17	FRUTEAU-ext, Sabrina	
v. 21	Oct 17, 2025 13:03	WENNINGER-ext, Sascha	
v. 20	Oct 10, 2025 12:17	FRUTEAU-ext, Sabrina	
v. 19	Oct 10, 2025 12:10	FRUTEAU-ext, Sabrina	

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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.

From Oct 10, 2025 to Apr 22, 2026	Actor	Type	Activity	Version
Approved	TURAN-ext, Mert , WENNINGER-ext, Sascha and FRUTEAU-ext, Sabrina	Edit	multiple updates from  TURAN-ext, Mert ,  WENNINGER-ext, Sascha and  FRUTEAU-ext, Sabrina	
Oct 03, 2025				
	UPADHYAY-ext, Anjali	State	changed state to Approved at 10:28 am	v18
Lead Approval	UPADHYAY-ext, Anjali	State	gave <i>POD Lead Review</i> approval at 10:28 am	
	WEINERT-ext, Patrick	State	changed expiry date to '10 Oct, 2025 10:09 am' at 10:09 am	
		State	changed state to Lead Approval at 10:09 am	v18
Tech Review	WEINERT-ext, Patrick	State	gave <i>Tech Review</i> approval at 10:09 am	