

ERP-511 Custom Search Help

Status	Approved
Owner	UPADHYAY-ext, Anjali
Stakeholders	MOREAU, Patrick
Jira Request ID	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;">  ERP-610 - Jira project doesn't exist or you don't have permission to view it. </div> <div style="border: 1px solid orange; padding: 5px;">  ERP-167 - Jira project doesn't exist or you don't have permission to view it. </div>
Jira Development ID	<div style="border: 1px solid orange; padding: 5px;">  ERP-511 - 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 China, S/4Hana CUI
Business Process Reference	10.01.01.04. Identify Initiatives and Items 10.02.01.01. Manage Project/WBS changes 10.02.03.04. Manage Project Time Allocation

Functional Overview

Functional specification covers primarily 2 requirements.

- WBS elements are the cost objects used for booking different type of transactions such as timesheet, journal, PRs etc. It is vital for a user to chose the correct WBS element without having to remember the WBS ID or description. Therefore, Syensqo specific search help is required to search the WBS element based on key criteria to ensure accuracy and ease of finding right WBS.
- The assignment of various stakeholders on Bucket, Initiative, PPM item, Project definition and WBS elements will be via HR Position rather than a named user. This ensures the information remains correct regardless of individuals moving in or out of a Position. In order to assist the user to find the correct position, search is required for position the based on the person holding the position.

Scope and Objectives

There are multiple processes defined in Syway design, where the user is required to search the objects based on certain criteria for processing. Standard SAP search help are not sufficient to cover all possible scenarios for Syensqo's business processes. Therefore, custom search helps are required to be implemented. This functional specification covers below 2 search helps

- WBS search help - Required to search WBS elements based on WBS ID, WBS Description, Project ID, Project description, Project type, Person resp and company code
- Position search help - Required to search position by Person Name and/or ID for Bucket Approvers, Program Managers, Project Owners, Project Financial Controllers, Project Managers at Bucket, Initiative, Item, Project definition and WBS element level

Process Flow Diagram

N/A

Use Cases

Use Case	Description	Comment
1	User open an Item and navigate to Project Owner field	Position search by Person no, Last Name, First name appears
2	User enters one or more of the search criteria	Relevant position is displayed for selection
3	User open a transaction with WBS as an entry field (CJ20N or CN41N)	Syensqo search appears (WBD ID, WBS descp, Project ID, Project descp, Person resp, Project type, Company code)
4	User enters one or more of the search criteria	Relevant WBS element is displayed for selection

Assumptions

- Custom search help will be added as separate search help to the standard and custom fields referencing WBS element and Position (Project owner/ Project Financial Controller) and will be available in both GUI and Fiori UIs
- Each HR Position is linked to only 1 active Person at a given point of time

Dependencies

- Stakeholder fields such as Bucket Approver, Program Manager, Project owner and Project Financial controller fields are available as per ERP- 64

Security, Integrity and Controls

Standard authorization checks associated with the relevant transaction will be applied.

Configuration Requirements

- Project Types (V_TCJ1- PRART) dropdowns are configured

Language Requirements

WBS master data is maintained in English only, therefore its expected that the search will be in English only

Special Requirements

N/A

Design Rationale

Functional Requirements

Custom search help is required for below

1. **WBS element** - WBS element can be searched by
 - a. WBS ID
 - b. WBS Description
 - c. Project ID
 - d. Project Description
 - e. Project Type
 - f. Project Owner (person responsible) - this will further allow search based on 2. and 3. below

- g. Company code
- 2. **Position** - Positions available in dropdown as Bucket Approvers, Program Managers, Project Owners, Project Financial Controllers, Project Managers, Person responsible and Applicant fields can be searched by
 - a. Person ID holding the position
 - b. Person Name - (last name, first name, wild card)

It is required that the custom search help will

- be available on all GUI and Fiori UIs that requires the use of WBS data element. The list of GUI/Webdynpro/Fiori apps will be updated once all of the other requirements have already been confirmed.
- be available on the Standard and Custom fields wherever the respective data object is used
- allow wildcard search based on description or ID

Mockup of the Position Search

The mockup shows a search interface titled "Search and Select". It includes a "Restrictions" dropdown, a "Go" button, and a "Hide Filters" button. The search criteria are: Person No, Last Name, and First Name. Below the search bar, there is a table with the following data:

POSITION	POSITION NAME	PERSON ID	PERSON NAME
00001001	Project Fin Controller-1		

Mock up of WBS search

The mockup shows a search interface titled "Search and Select" for "Work Breakdown Structure Element (WBS Element) (1)". It includes a "Go" button and a "Hide Filters" button. The search criteria are: Description, Project definition, WBS Element, and WBS Description. Below the search bar, there is a table with the following columns:

WBS ID	WBS Description	Project ID	Project Description	Person Resp	Project Type	Company Code
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Proposed Technology to Use

Search Exit and CDS extensions can be used.

Data Source Considerations

Search is returned based on below table and fields

Table	Field Name	Comments/Calculation/Field Manipulation
PRPS	POSID	WBS element
PRPS	POST1	WBS description
PRPS	PSPHI	Project ID
PROJ	POST1	Project Description
PRPS	PRART	Project Type

PRPS	VERNR	Person Responsible
PRPS	PBUKR	Company Code
HRP1001	OBJID	Position ID, Person ID
HRP1000	STEXT	Position Name, Person Name

Data Validation Considerations

N/A

Table	Field Name	Comments/Calculation/Field Manipulation

Custom Tables

N/A

Master Data

N/A

Field	Description	Data Type/Length	Validation rule/ Value Help

Configuration Table

N/A

Field	Description	Data Type/Length	Validation rule/ Value Help

Selection Screen Enhancement

N/A

Field Name	Description	Select:	Data Type/Length	Default Value/ Validation rule/ Value Help	Selection Logic

Processing Logic

WBS search

- Entered selection is passed in the PRPS table as per the data source table and the PRPS -POSID and PRPS -POST1 is displayed where the entered criteria is matched.

Position Search

- Entered selection is passed in the HRP1001 - OBJID or HRP1000 -OBJID where Object Type = P , as per data source table and the HRP1001 - OBJID and HRP1000 - STEXT is displayed where the entered criteria is matched.

Volumetrics

WBS and Position are high volume data. Exact volumes unknown at this point.

Performance Considerations

N/A

Error Handling

N/A

Testing

How to Test

Portfolio Items, Initiatives, Bucket, Project Definition, WBS elements and Position IDs are required to test the data

Test Conditions and Expected Results

ID	Condition	Expected Result
1	Open Portfolio Bucket using "Buckets" Tile and search for Bucket Approver	Bucket Approver search help appears with Position ID, Position Name, Person ID and Person Name
2	Search using Wild card for one by one for each search criteria	search returns the valid results
3	Repeat step 1 and 2 for Program Manager at Initiative level Project Owner at PPM item level Project Financial Controller at PPM item level Person Resp at Project definition Level Applicant at Project Definition level Person Resp at WBS Level Applicant at WBS level	Search help appears with Position ID, Position Name, Person ID and Person Name and return valid results
4	Go to Project builder and Open WBS search	Search help appears with WBS ID, WBS Disc, Project ID, Project Disc, Project Type, Person Resp, Company code

5	Search one by one for each search criteria	search returns the valid results
6	Search using by Person responsible	Search based on Person ID and Name appears
7	Search using Person name or ID	Valid Position ID appears
	Repeat Step 4 to 7 for below Fiori Apps, GUI Txns <ul style="list-style-type: none"> ▪ Project Structure overview ▪ Post General Journal Entries ▪ My timesheet ▪ CAT2 ▪ Generate Project Settlement Rules ▪ Run settlement 	Search help appears with WBS ID, WBS Disc, Project ID, Project Disc, Project Type, Person Resp, Company code and return valid results

Test Considerations/Dependencies

- Ensure Positions are assigned Persons
- Ensure only 1 active assignment of person to position

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
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TABLES	ZFIT	ZMMT	ZPST	ZCOT	ZSDT	ZBCT	ZFIT	ZCAT
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See also

File **Modified**

No files shared here yet.


Change log

Version	Published	Changed By	Comment
CURRENT (v. 18)	Feb 02, 2026 11:41	TORRES-ext, Benedict	Added details for custom fields
v. 17	Jan 30, 2026 08:33	UPADHYAY-ext, Anjali	
v. 16	Jan 30, 2026 08:31	CONNELLY-ext, Delia	
v. 15	Jan 30, 2026 08:30	CONNELLY-ext, Delia	
v. 14	Jan 30, 2026 08:30	CONNELLY-ext, Delia	
v. 13	Jan 30, 2026 08:30	CONNELLY-ext, Delia	
v. 12	Jan 30, 2026 05:50	UPADHYAY-ext, Anjali	
v. 11	Dec 01, 2025 13:50	TORRES-ext, Benedict	
v. 10	Dec 01, 2025 11:34	UPADHYAY-ext, Anjali	
v. 9	Dec 01, 2025 09:36	UPADHYAY-ext, Anjali	

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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 Jan 30, 2026 to Feb 02, 2026	Actor	Type	Activity	Version
Approved	CONNELLY-ext, Delia , UPADHYAY-ext, Anjali and TORRES-ext, Benedict	Edit	multiple updates from CONNELLY-ext, Delia , UPADHYAY-ext, Anjali and TORRES-ext, Benedict	v11
Dec 02, 2025				
	UPADHYAY-ext, Anjali	State	changed state to Approved at 9:15 am	v11
Lead Approval	UPADHYAY-ext, Anjali	State	gave <i>POD Lead Review</i> approval at 9:15 am	
Dec 01, 2025				
	 TORRES-ext, Benedict	Edit	updated the page at 1:50 pm	
		State	changed expiry date to '08 Dec, 2025 12:51 pm' at 12:51 pm	
		State	changed state to Lead Approval at 12:51 pm	v11

Tech Review



TORRES-ext, Benedict

State gave Tech Review approval at 12:51 pm

*Approved. List of Fiori
Transactions where it would be
use will be confirmed later*
