

Project System
SAP Implementation at IESCO
Training Document
Project Structuing
CE PMU – PD GSC

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Project Structuring

1 Purpose

Document

Copying the standard structure into estimate project for proposal preparation is covered in this document

Prerequisites

Standard Templates should be created in the system to adopt a standardized structure of all estimates, if they don't exist than new project can be created from scratch provided the standard structure (IESCO's PMU/GSC or PDC finalized structure) is known.

1.1 Process Steps (PMU / GSC)

1.1.1 Create Project from Standard/Template Project

Use

Following steps are followed during Creating Estimation Project by using Template (Standard Structure).

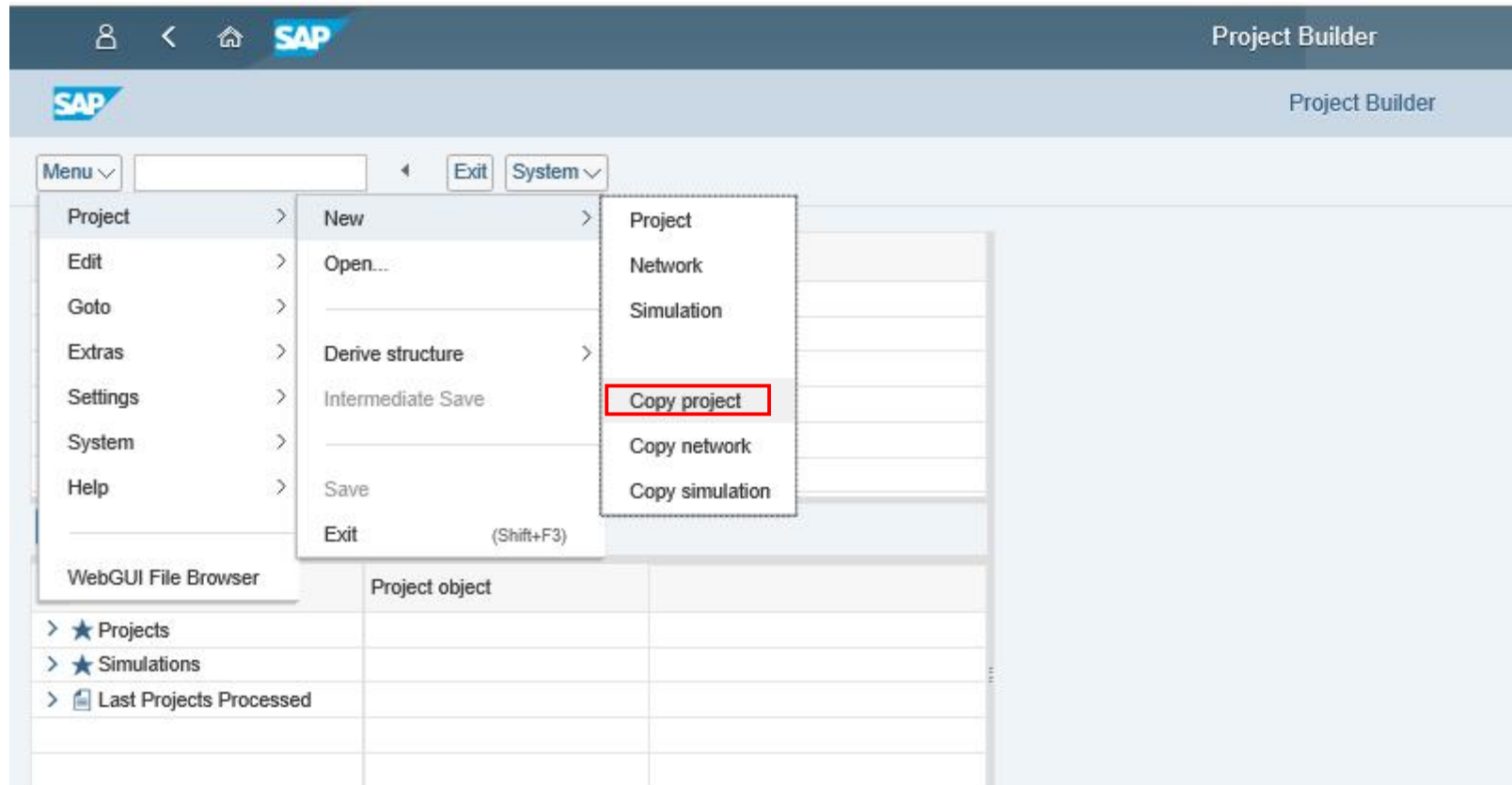
Procedure

1. Access "Project Builder" App, From Fiori Launchpad.

Preview: Description	Identification
▼ 7th STG (Estimate)	PI.1707
> ▲ 7th STG (Estimate)	PI.1707

Worklist: Description	Project object
> ★ Projects	
> ★ Simulations	
> 📄 Last Projects Processed	

2. Press Menu – Project – New – Copy Project



3. Click Copy project menu item

Create Project

Project def.

PI.1707

Description

Start

18.04.2018

Finish date

Project Profile

Template

Version

Project def.

Std proj. def.

SP.1507

☐ With WBS Documents

☐ Template Profile Data

☒ With activities

☒ Components

☒ Relationship

☒ PS texts

☒ Milestones

☒ Documents

✓

▲

✗

4. Update the following required and optional fields:

Field name	Description	User action and values	Comments
Project def.		Example: PI.1707	The project definition contains dates and organizational information that are binding for the entire project.

Description		Example: 8th STG (Year 2017-2018) Estimate	Project Name
Start		Example: 18.04.2018	Planned start date for the project
Project Profile		Example: Y000001 CE/PMU	The profiles contain default values and control parameters for processing WBS, Network, Activities and functions in the project
Std project def.		Example: SP.1507	The standard project definition contains dates and organizational information that are binding for the entire project. A project structure that will be used as a template for creating new projects

5. Click Open Number button 

6. Press Find Next Number 

Create Project

Project def. 

Find Open Number

Search area

Start value 

Finish value

Search strategy

☒ Find next open number

☐ Find number after last assigned

Proposed

☒ Documents

4. Update the following required and optional fields:

Field name	Description	User action and values	Comments
Start value		Example: PI.1707	Start value for the search area, in which the next free standard project number is to be determined.

5. Press Copy button  or press Enter:

Create Project

Project def.

PI.1708

Description

8th STG (Year 2017-2018) Estimate

Start

18.04.2018

Finish date

Project Profile

Template

Version

Project def.

Std proj. def.

SP.1507

☐ With WBS Documents

☐ Template Profile Data

☒ With activities

☒ Components

☒ Relationship

☒ PS texts

☒ Milestones

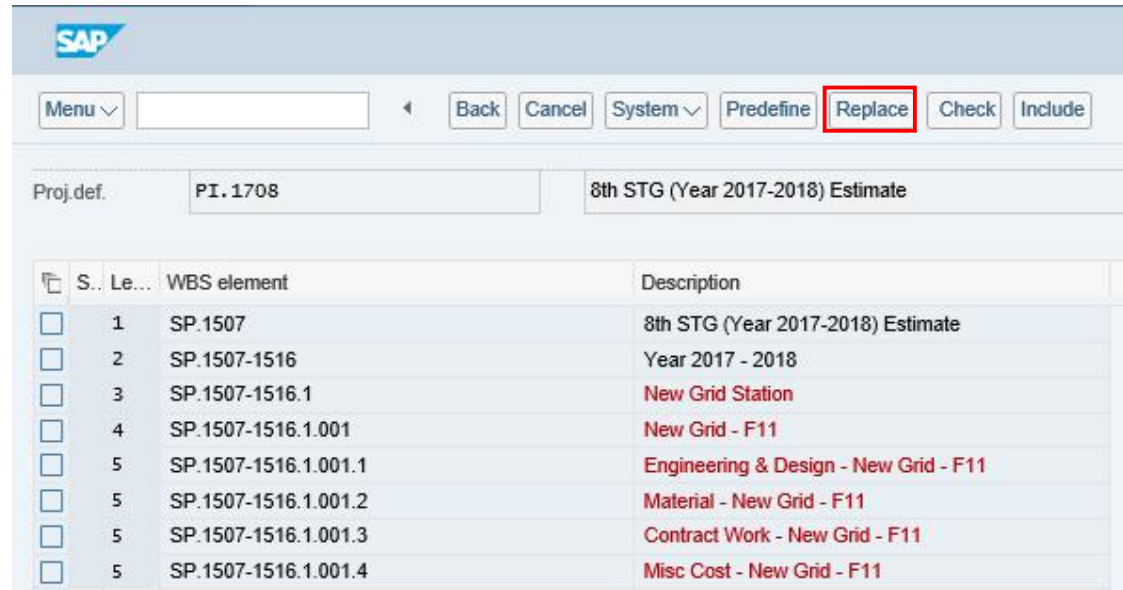
☒ Documents







6. Click WBS element overview button 



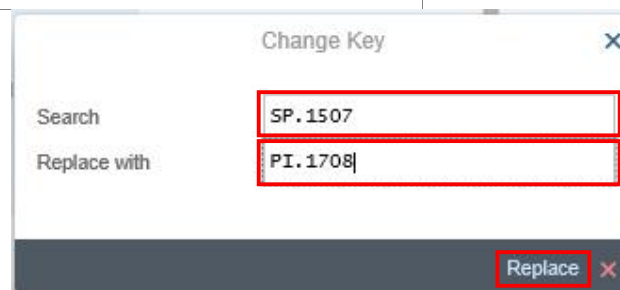
The screenshot shows the SAP WBS Element List interface. At the top, there is a menu bar with buttons: Menu, Back, Cancel, System, Predefine, Replace (highlighted with a red box), Check, and Include. Below the menu bar, the project definition is shown: Proj.def. PI.1708 and 8th STG (Year 2017-2018) Estimate. The main table lists WBS elements with columns for S., Le..., WBS element, and Description. The elements are as follows:

S.	Le...	WBS element	Description
☐	1	SP.1507	8th STG (Year 2017-2018) Estimate
☐	2	SP.1507-1516	Year 2017 - 2018
☐	3	SP.1507-1516.1	New Grid Station
☐	4	SP.1507-1516.1.001	New Grid - F11
☐	5	SP.1507-1516.1.001.1	Engineering & Design - New Grid - F11
☐	5	SP.1507-1516.1.001.2	Material - New Grid - F11
☐	5	SP.1507-1516.1.001.3	Contract Work - New Grid - F11
☐	5	SP.1507-1516.1.001.4	Misc Cost - New Grid - F11

7. Press Replace Button

8. Update the following required and optional fields:

Field name	Description	User action and values	Comments
Search		Example: SP.1507	Search WBS Codes to be replaced
Replace		Example: PI.1708	WBS code to be replaced by existing code



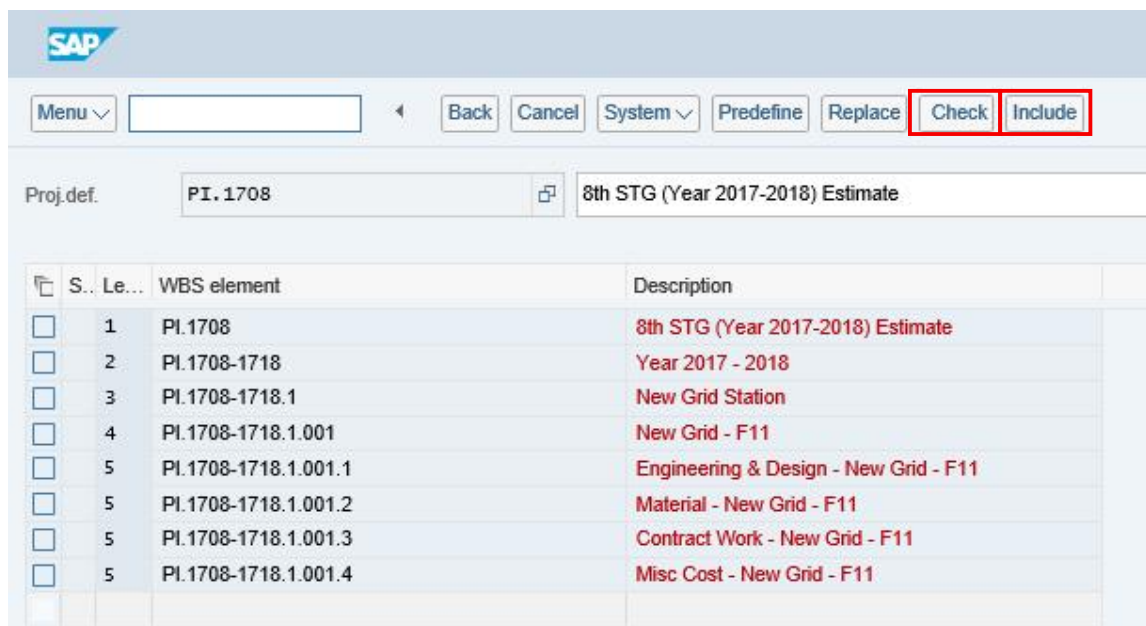
The screenshot shows the 'Change Key' dialog box. It has two input fields: 'Search' with the value 'SP.1507' and 'Replace with' with the value 'PI.1708'. Both fields are highlighted with red boxes. At the bottom right, there is a 'Replace' button, also highlighted with a red box.

9. Press Replace Button (again if codes still varies)
10. Update the following required and optional fields:

Field name	Description	User action and values	Comments
Search		Example: PI.1708-1516	Search WBS Codes to be replaced
Replace		Example: PI.1708-1718	WBS code to be replaced by existing code

Note:

- WBS Codes varies from situation to situation, it depends on the user how he is working or managing the project.

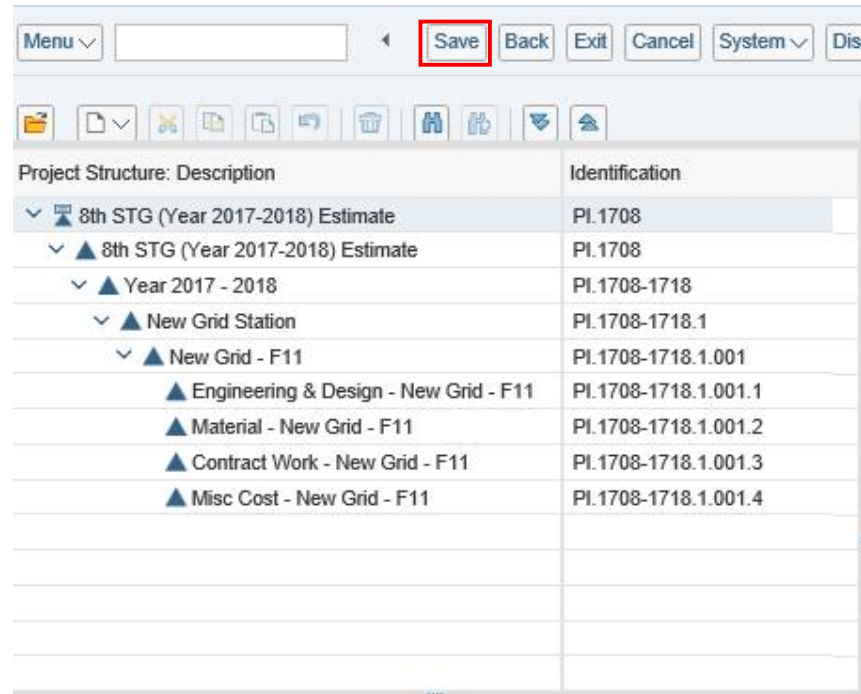


The screenshot shows the SAP Project System (PS) interface. At the top, there is a menu bar with buttons: Menu, Back, Cancel, System, Predefine, Replace, Check, and Include. The 'Check' and 'Include' buttons are highlighted with red boxes. Below the menu bar, the project definition is shown: Proj.def. PI.1708, 8th STG (Year 2017-2018) Estimate. A table of WBS elements is displayed below the project definition.

S...	Le...	WBS element	Description
☐	1	PI.1708	8th STG (Year 2017-2018) Estimate
☐	2	PI.1708-1718	Year 2017 - 2018
☐	3	PI.1708-1718.1	New Grid Station
☐	4	PI.1708-1718.1.001	New Grid - F11
☐	5	PI.1708-1718.1.001.1	Engineering & Design - New Grid - F11
☐	5	PI.1708-1718.1.001.2	Material - New Grid - F11
☐	5	PI.1708-1718.1.001.3	Contract Work - New Grid - F11
☐	5	PI.1708-1718.1.001.4	Misc Cost - New Grid - F11

11. Press Check button to identify if any error exist

12. Press Include button



13. Press Save after adjusting the structure as per requirement.

Result:

Estimation Project WBS Structure has been created from Template.

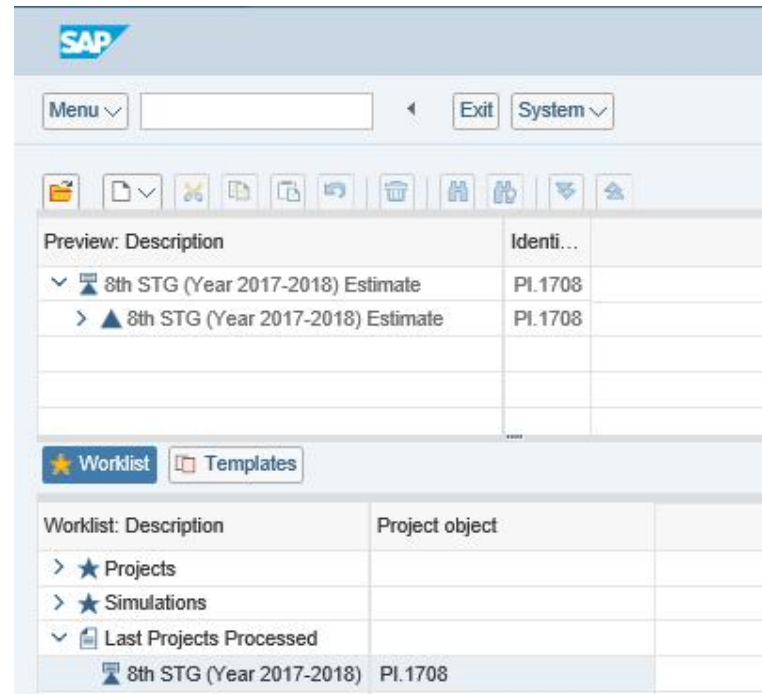
1.1.2 Include WBS In to Project from Standard/Template

Use

Following steps are followed during addition within the structure.

Procedure

1. Access "Project Builder" App, From Fiori Launchpad:



2. Click OPEN button to open the project.

3. Click Search Help button and you can find either through description or through project code, e.g. PI* is entered in the Project definition field.

Project definition (1) ×

Project definition, description Project definition, persons responsible ...

Description

Project definition

Maximum No. of Hits

4. Press Enter after entering search criteria

Project definition (1) ×

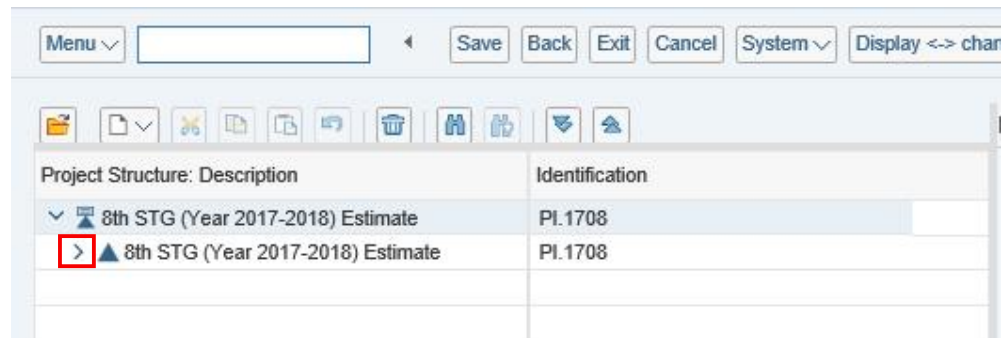
> Project definition, description Project definition, persons responsible ...

Description	Project definition
7th STG (Estimate)	PI.1707
8th STG (Year 2017-2018) Estimate	PI.1708

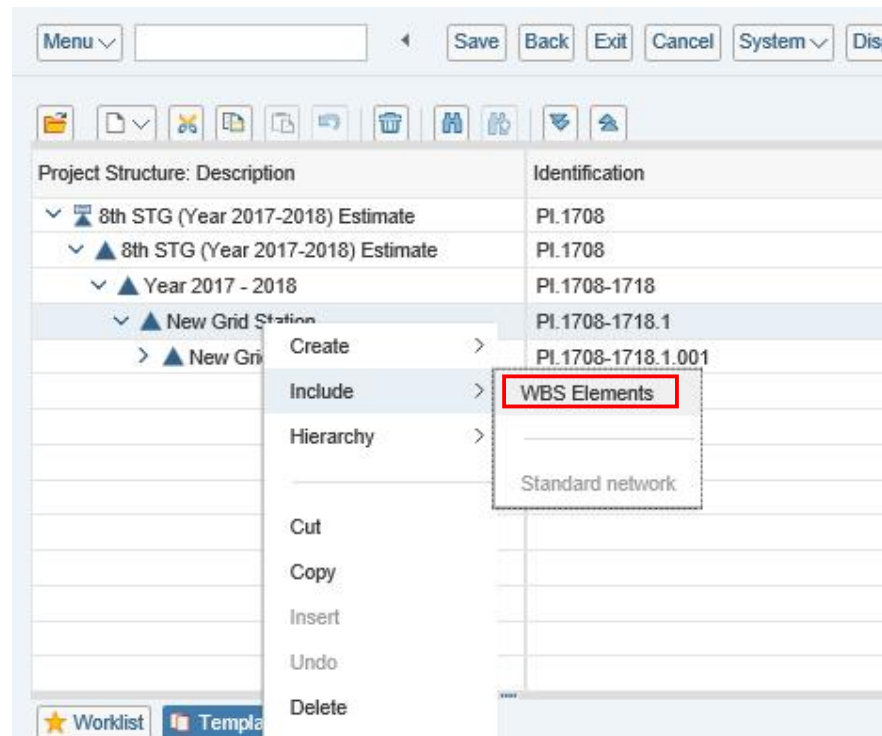
2 Entries found

5. Select required Project and **press enter**





6. Expand project structure up to PI.1708-1718.1 where to add further WBS Element Structure (This expansion is just for example, it depend on user where he require to add)
7. Right Click on WBS PI.1708-1718.1 select Include and choose WBS Element



8. Select Standard WBS, and in “Below” Field add the WBS which needs to be included along with its hierarchy and then press WBS Element Overview Button.

Project Builder: Project PI.1708

Operative WBS **Standard WBS**

Include

Position	WBS element
	PI.1708-1718.1
Below	SP.1507-1516.1.001
Next to	

Options

☒ With root
☐ Without root

☒ Right
☐ Left

☒ With activities
☐ W/o activities

✓ ▲ ✕

9. Adjust the Description of WBS Elements and press Replace Button.

Project Builder: Project PI.1708 X

Proj.def. PI. 1708 8th STG (Year 2017-2018) Estimate

WBS element	Description
☐ SP.1507-1516.1.001	New Grid - F11
☐ SP.1507-1516.1.001.1	Engineering & Design - New Grid - F11
☐ SP.1507-1516.1.001.2	Material - New Grid - F11
☐ SP.1507-1516.1.001.3	Contract Work - New Grid - F11
☐ SP.1507-1516.1.001.4	Misc Cost - New Grid - F11

Include
Replace
Check
⌵
⌶
⌷
⌸

10. Update Fields as below

Project Builder: Project PI.1708

Search

Replace with

Field name	Description	User action and values	Comments
Search		Example: SP.1507-1516.1.001	Search WBS Codes to be replaced
Replace		Example: PI.1708-1718.1.002	WBS code to be replaced by existing code

11. Press Check and Include

Project Builder: Project PI.1708 ✕

Proj.def.

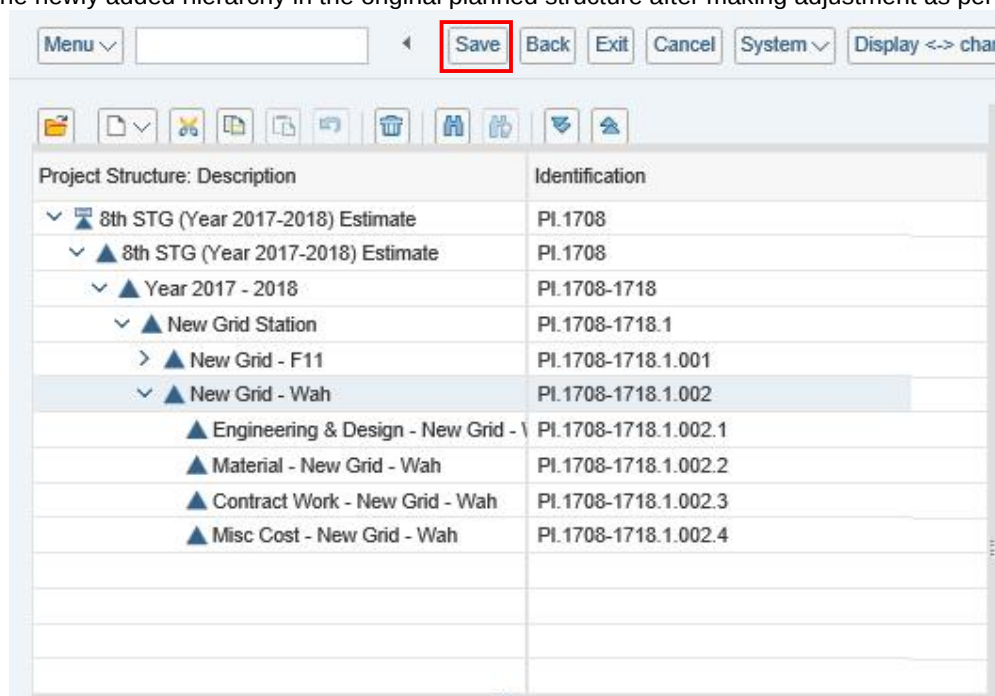
PI. 1708

8th STG (Year 2017-2018) Estimate

	WBS element	Description
☐	PI. 1708-1718.1.002	New Grid - Wah
☐	PI. 1708-1718.1.002.1	Engineering & Design - New Grid - Wah
☐	PI. 1708-1718.1.002.2	Material - New Grid - Wah
☐	PI. 1708-1718.1.002.3	Contract Work - New Grid - Wah
☐	PI. 1708-1718.1.002.4	Misc Cost - New Grid - Wah

Include
Replace
Check
✕

12. Press Save to finally include the newly added hierarchy in the original planned structure after making adjustment as per user/project requirement.



Result:

New WBS Structure is added within the Project.

Note:

- In Case of PMU / GSC , One Project contain full year Projects.
- In Case of PD Construction, Every Proposal is a Project.