



SAP PS

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About the Tutorial

Project System (PS) is one of the key modules of SAP to perform project and portfolio management. It helps you to manage the project life cycle starting from structuring to planning, execution, until the project completion.

Audience

SAP PS helps to manage and support all the SAP projects in a company. Project System is a source to organization for planning, scheduling, collecting, and generating revenue and expenditure over a project period.

Prerequisites

There are no set prerequisites to learning SAP PS, but it will help if the reader has a background in the business area that this module covers.

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1. SAP PS – Overview

Project System is one of the key modules of SAP to perform project and portfolio management. It helps you to manage the project life cycle starting from structuring to planning, execution, until the project completion. Project system is closely integrated with other SAP modules like logistics, material management, Sales and Distribution, Plant Maintenance, and Production planning module.

It enables organizations to manage all SAP projects- large and small-scale projects efficiently. The Project Manager has a task to ensure that these projects are executed within budget and time and to ensure that resources are allocated to the project as per the requirement.

Before a project is initiated, it is required that project goal is clearly defined and the activities be structured.

The integration between SAP Project System PS with SAP ERP R/3 application modules allows you to design, plan, and execute the projects as part of your normal project procedure. Hence, Project System module has the constant data access to all the departments involved in the project.

Classification of Projects

As per budget, projects can be categorized in the following categories-

- **External Financed Projects** - This includes the projects which are sponsored by clients and are executed to meet the client requirements. These projects are called customer projects and project goal is aligned to meet the customer demand.
- **Internal Financed Projects** - This includes project related to capital investment or overhead cost projects.

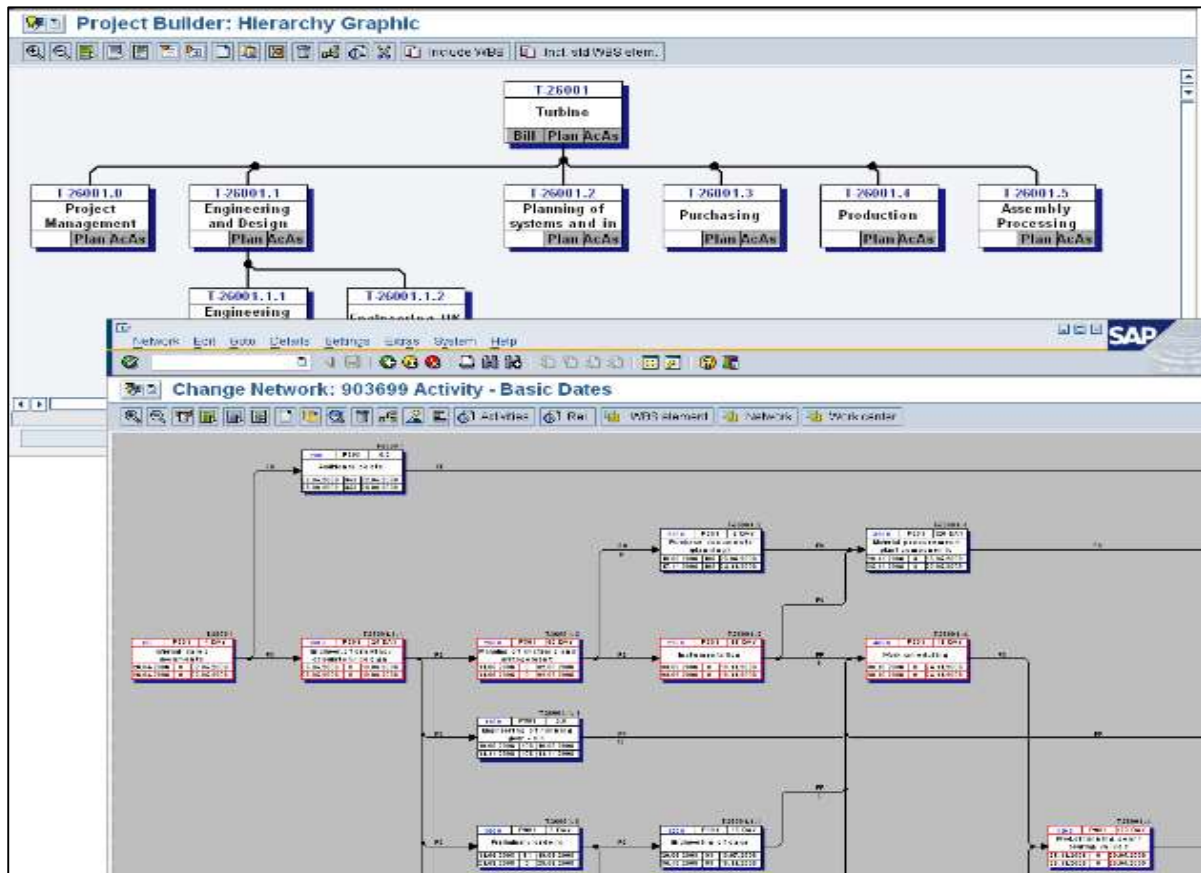
You can also categorize projects according to the list of activities and project structure or on the basis of individual activities-

- Using Work breakdown structure WBS.
- Using individual activities as per work packages.

In Project System, Work Breakdown structure and network diagram can be used to structure the project either in hierarchical order or in using network techniques. You can define key milestones and documents that allow you to monitor the progress of project and helps you to define key interest of individuals.

Project Structure can be defined either manually or based on templates. You can also create the Project structures using sales documents automatically.

In the following diagram, you can see the sample project structure that is created hierarchically using Work Breakdown structure.



Graphical Display of WBS

Project System – Process Flow

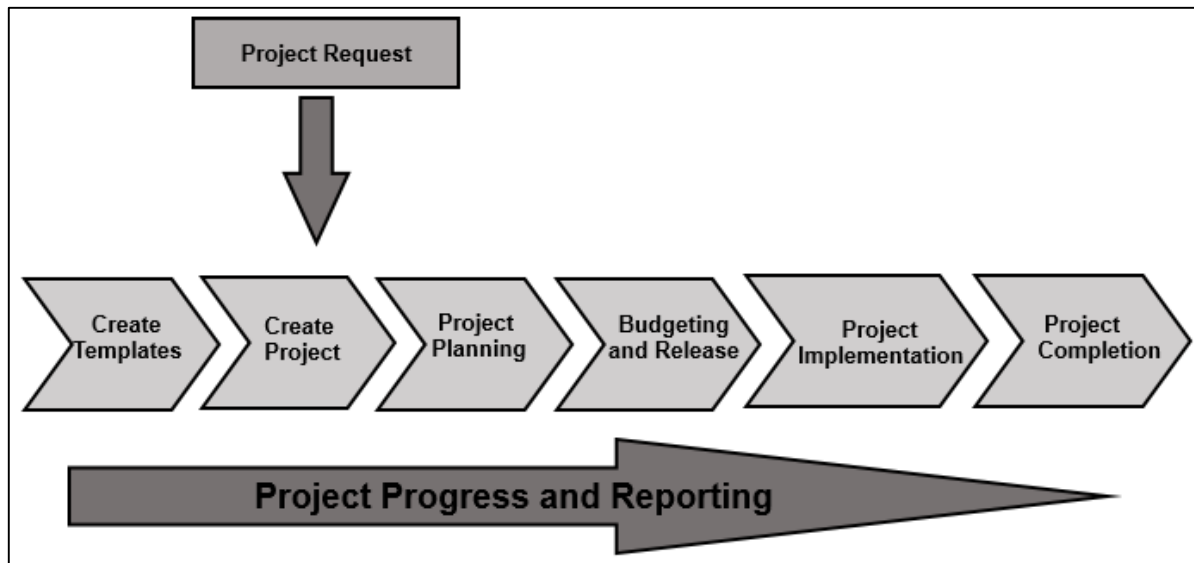
In Project System, each process has a defined set of tasks to be performed. These tasks are known as process flow in Project Lifecycle.

When a project request is received, a project is created and it has to undergo the following steps in project process flow/lifecycle.

Following are the key steps involved in Project process flow-

- Create Templates/WBS
- Create Project
- Project Planning
- Budgeting and Release
- Project Implementation
- Project Completion

Here is a diagrammatic representation of the process flow of SAP PS:



SAP Project System: Process Flow

2. SAP PS – Integration with ERP Modules

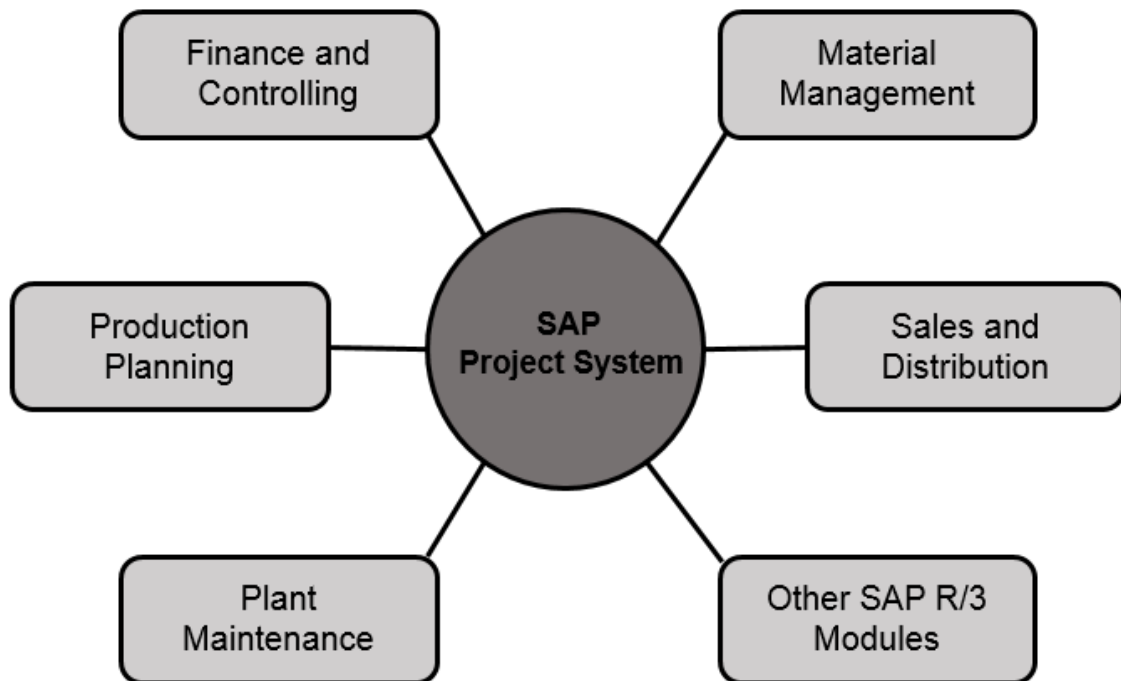
Project system is closely integrated with other SAP modules like logistics, material management, Sales and Distribution, Plant Maintenance, and Production planning module.

The integration between SAP Project System PS with SAP ERP R/3 application modules allows you to design, plan, and execute the projects as part of your normal project procedure. Hence, Project System module has the constant data access to all the departments involved in the project.

SAP PS system is tightly integrated with the following modules-

- **Finance and Controlling Module:** To plan the costs and revenue in the project system as per the financial planning requirements.
- **Material Management MM:** To manage procurement and inventory functions occurring in project lifecycle.
- **Sales and Distribution Module:** To manage the sales process in project lifecycle- includes quotations for customer projects. This includes billing, selling, and shipping of goods and services required in project lifecycle.
- **Production Planning:** To perform activities like material requirement planning MRP, Bills of material BOM, material requisition as per MRP, capacity planning, and other production planning tasks in project lifecycle.
- **Other R/3 modules:** Other modules like plant maintenance, budget management, investment, etc.

In the following diagram, you can see SAP Project System is integrated with SAP R/3 modules during project lifecycle.



3. SAP PS – Organization Structure and Elements

When a project is initiated, it starts with the definition and classification of the project structure, which is required to align it with the existing enterprise structure in an organization.

Project System has no organizational structures of its own and we have to incorporate the structure to enterprise structure by assigning organization elements in different ERP R/3 modules. These organization elements allow Project system to maintain and get the data correctly.

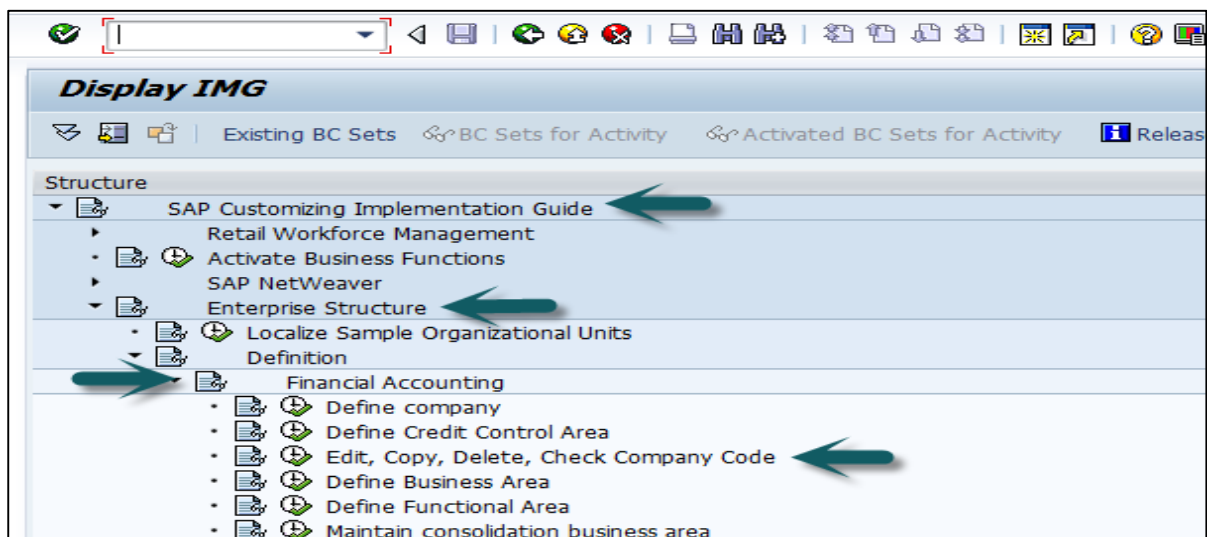
An Organization structure consists of various elements that have to be created as part of structuring of project. Following are the organization elements-

Company Code

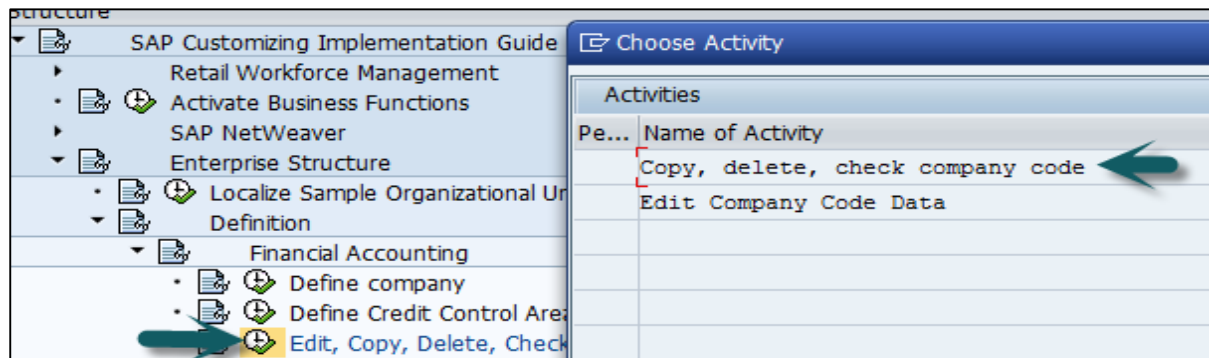
In SAP FI, a company can comprise of multiple codes, however it acts as a single unit for which financial statements are available. Company code is smallest unit in an organization for which financial statements (profit-loss statement, etc.) can be generated.

To create, edit and delete a company code, follow the steps given below-

Step 1: Expand Enterprise Structure ->Definition-> Financial Accounting -> Edit, Copy, Delete, check company code.

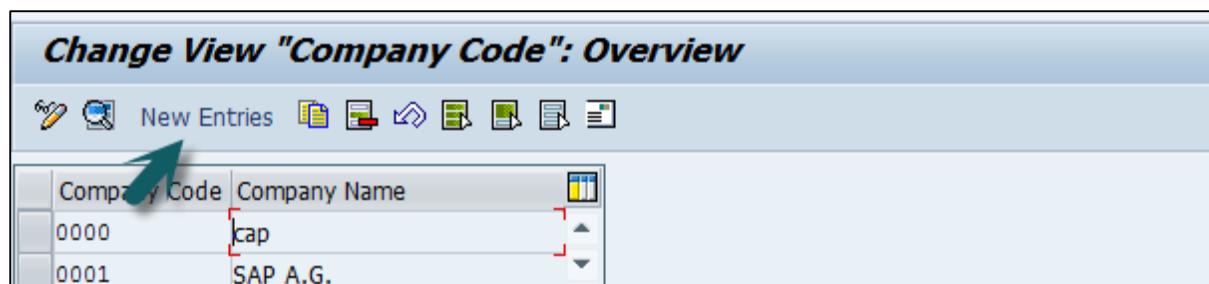


Step 2: A new window will open. You can create new company code by selecting both the options.

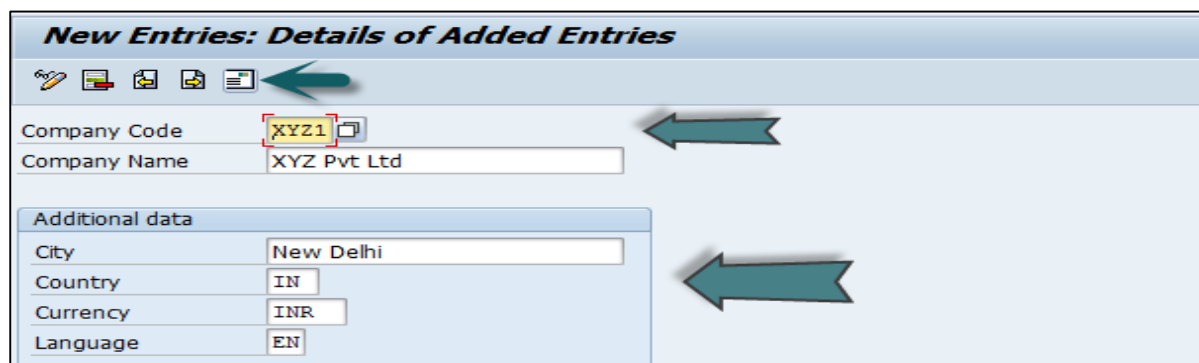


The option **Copy, delete, and check company code** allows you to copy all configuration and tables automatically.

Step 3: If you select Edit company code, you will get the following window.



Step 4: Click **New Entries** and update the code details.



Step 5: You can click the Address button and update the fields as shown below. Once Address field is updated, click the Save button.

Edit address: XYZ1

Name

Title: Mr.

Name: XYZ Pvt Ltd

Search Terms

Search term 1/2: XYZ1

Street Address

Street/House number: Akbar Road 212

Postal Code/City: 1100069 New Delhi

Country: IN Region:

PO Box Address

PO Box: 110092

Postal Code: 1100069

Company postal code:

Communication

Language: English

Telephone: Extension:

Mobile Phone: Extension:

Fax: Extension:

E-Mail:

Standard Comm.Method:

Other communication

Comments

Buttons: Save, Cancel, Preview, International Versions

Creating a Business Area

Business Areas are used to differentiate transactions that comes from different line of business in a company.

Example

There is a big company XYZ, which runs multiple business. Let us say it has three different domains like manufacturing, marketing and sales.

Now you have two options-

- First is to create different company codes
- The other option is to create each of these business lines into business areas.

Benefits of using Business Areas in this case-

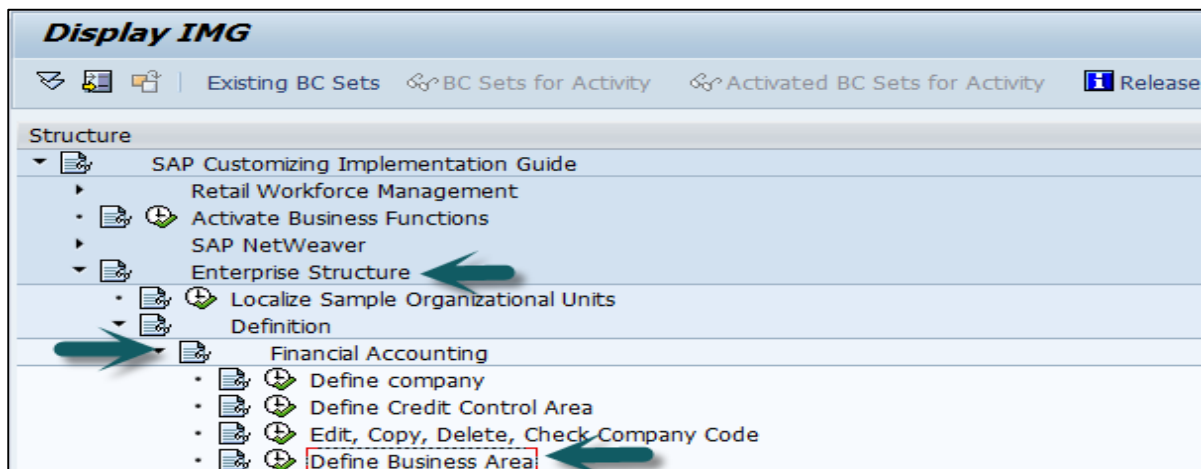
- You can use these business areas if other the company codes require the same areas.

- It is easy to configure if you use Business Area because you just need to attach to the company code and the other details in business area will get attach itself.
- By using Business areas in controlling, you can create profit and loss statements, balance sheets, etc. for business areas. Therefore, this is used for management accounting in few companies.

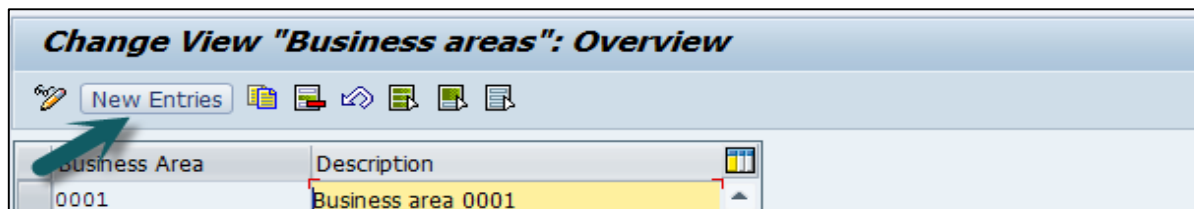
Note: Business areas are used in Controlling as compared to Finance Accounting.

Create new Business Area in SAP FI

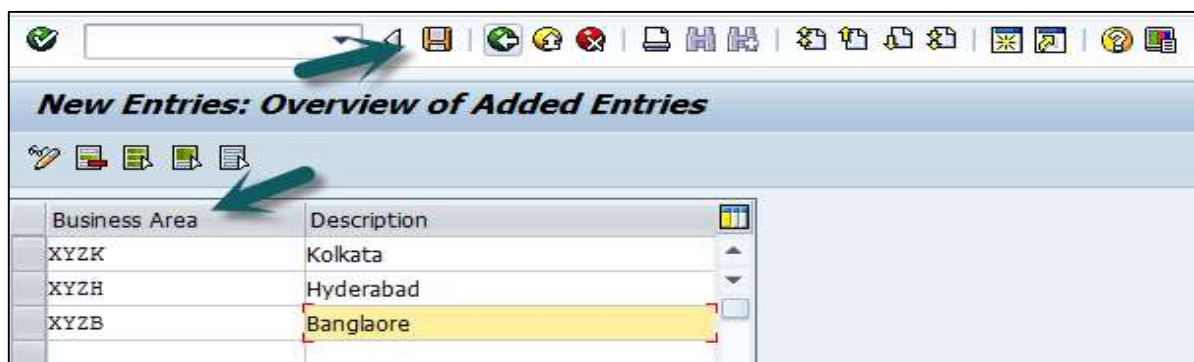
Step 1: Expand Enterprise Structure as Definition-> Financial Accounting -> Define Business Area.



Step 2: A new window will open. Click **New Entries**.



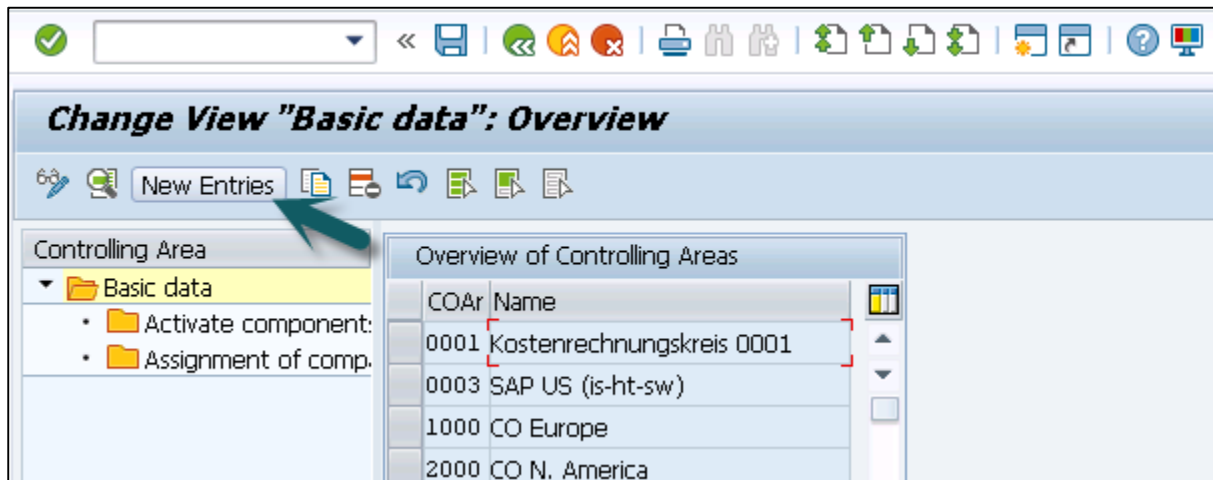
Step 3: Enter the 4-digit Business Area code and save the configuration.



Creating a Controlling Area

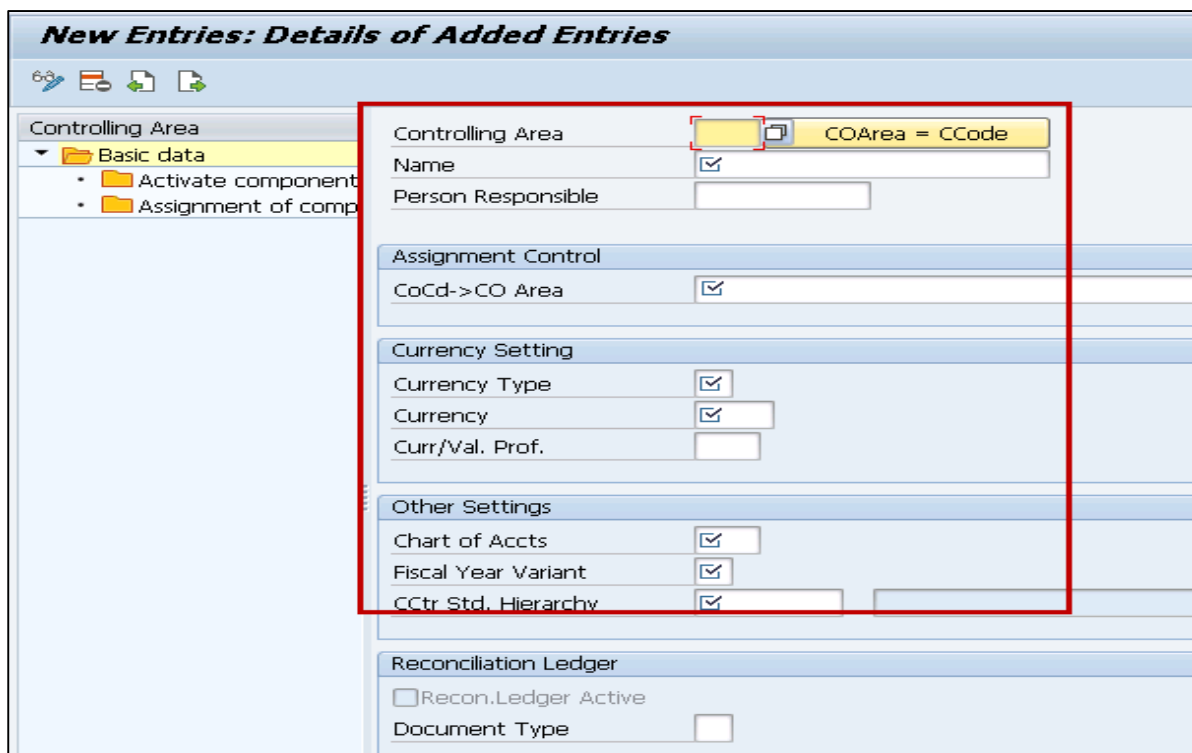
Controlling Area in an organization is defined as an organizational structure and is cost accounting, Cost centers, profit centers are used to define the Controlling area.

Step 1: To maintain a Controlling area, use **T-Code: OKKP** or go to Controlling -> General Controlling -> Maintain Controlling Area -> Maintain Controlling Area.



Step 2: To create a Controlling area, click **New Entries**. Enter the following details-

- Name of Controlling Area
- Company Code
- Currency settings
- Cost Center standard hierarchy

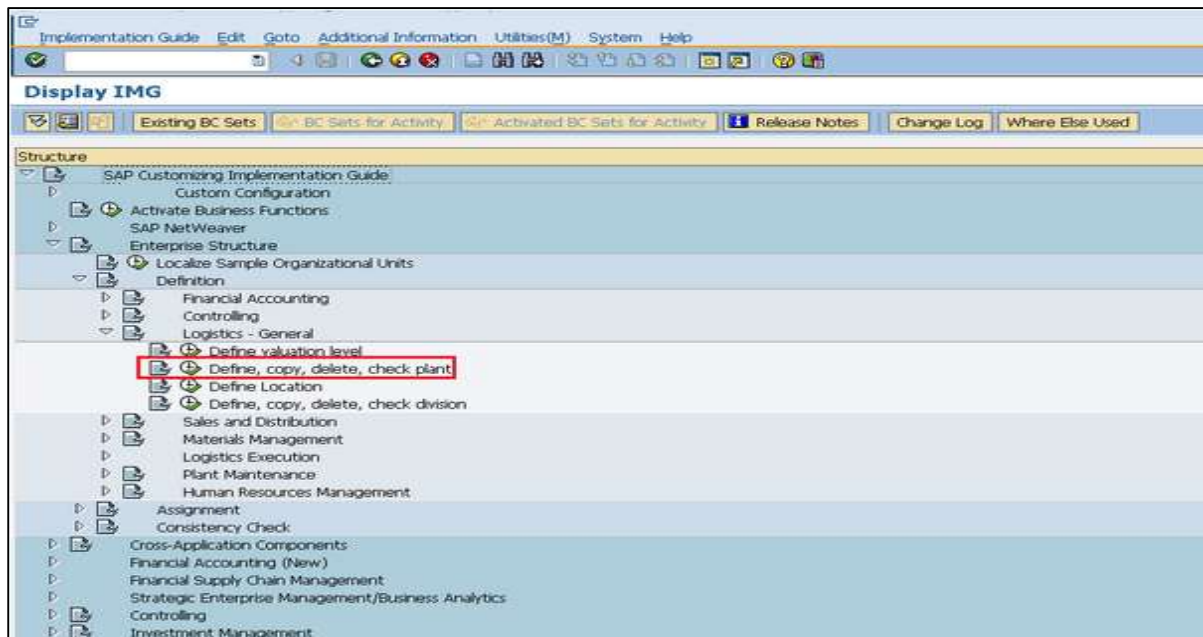


Defining Plant

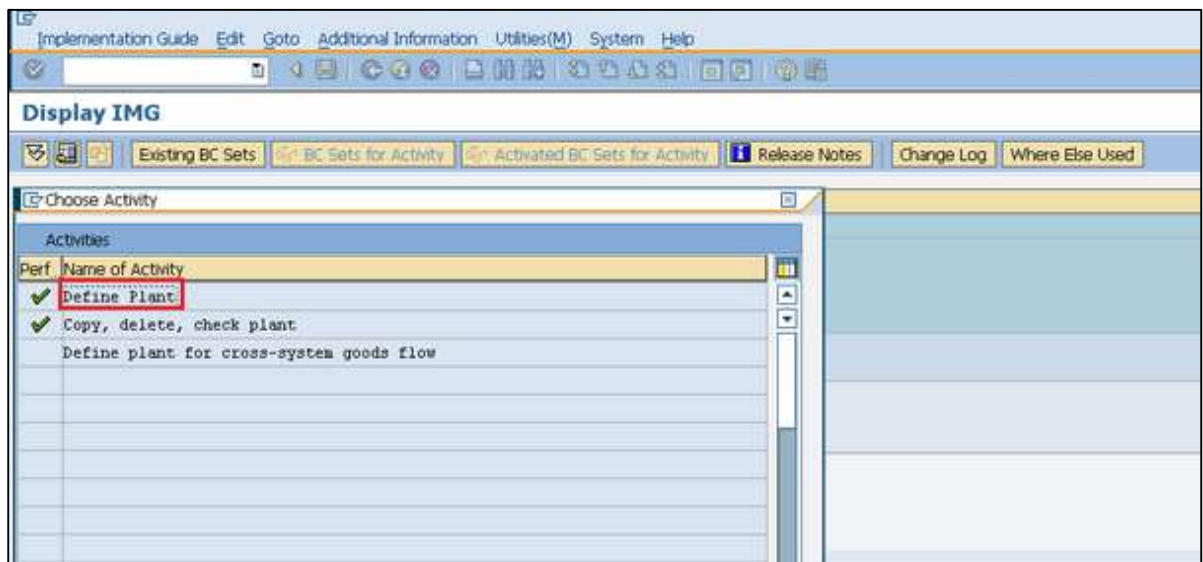
Plant is an organizational unit within a company where activities take place. A plant will produce goods and makes goods available for the company.

The following steps will take you through the procedure of creating Plant-

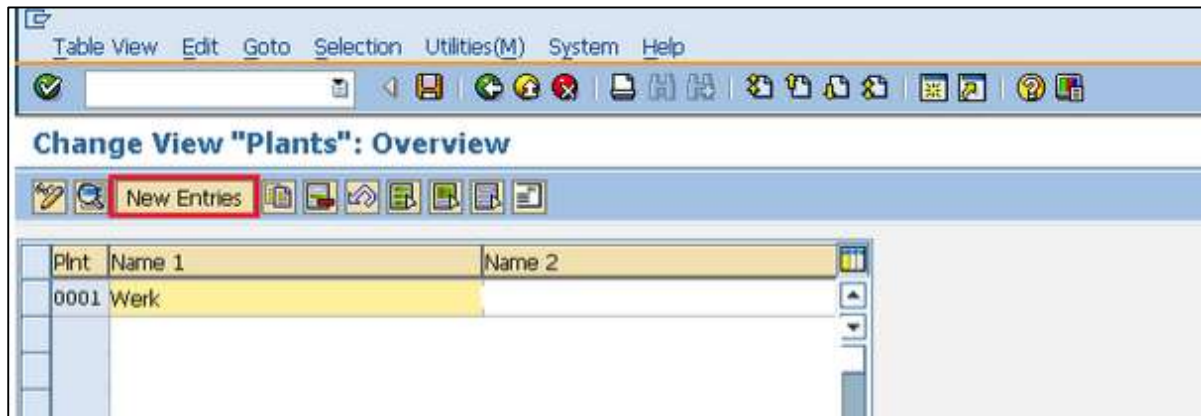
Step 1: Go to IMG -> Enterprise Structure -> Definition -> Logistic General. Click the **Define, Copy, Delete check plant** icon or use **T-Code: OX10**.



Step 2: Select **Define Plant** to create a new plant.



Step 3: Click **New Entries**.



Step 4: Fill in all necessary details like plant name, along with detailed information like Language, House no., city, country, region, postal code.

Step 5: Click the save icon. A new plant will be created.

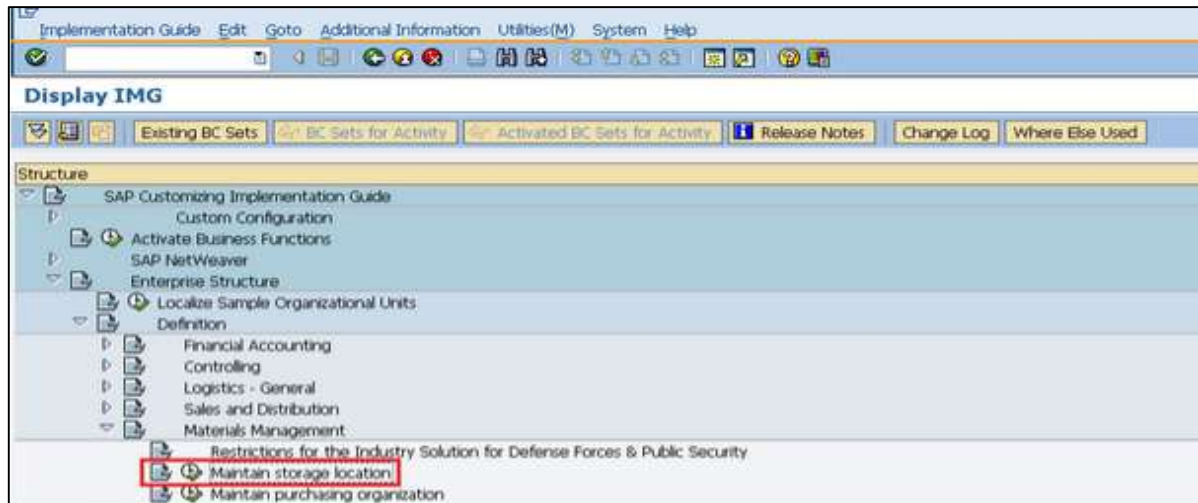


Creating a Storage Location

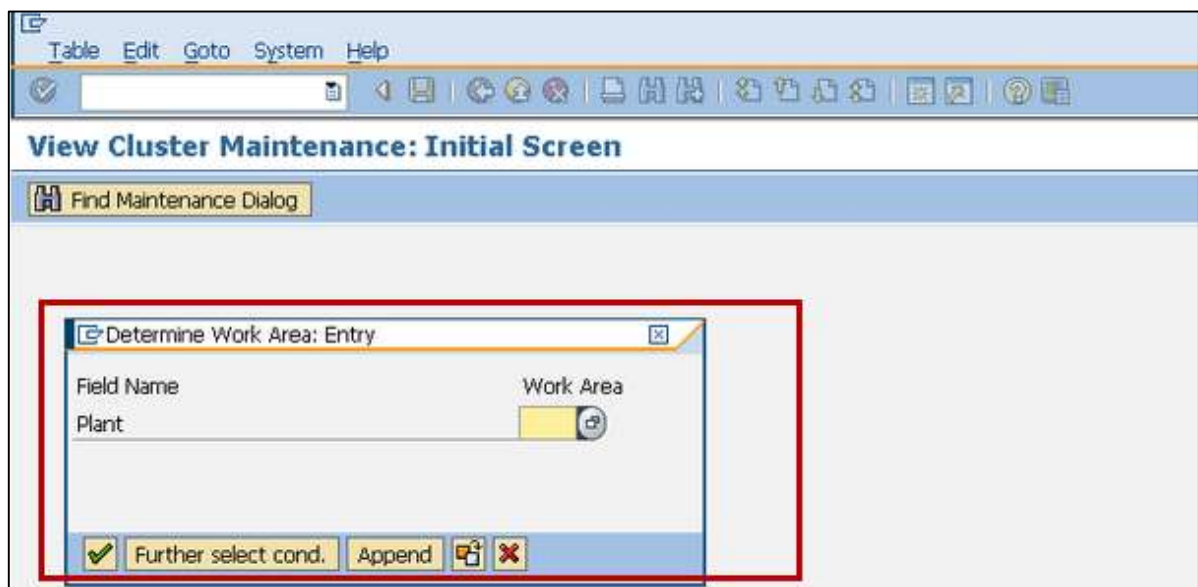
Storage location is an organizational unit, which actually differentiates between different material stocks in a Plant. Storage location is a place where stock is kept physically. Plant can be consisting of multiple storage location. All data is stored at storage location level for a particular storage location.

The following steps will take you through the procedure of creating Storage location-

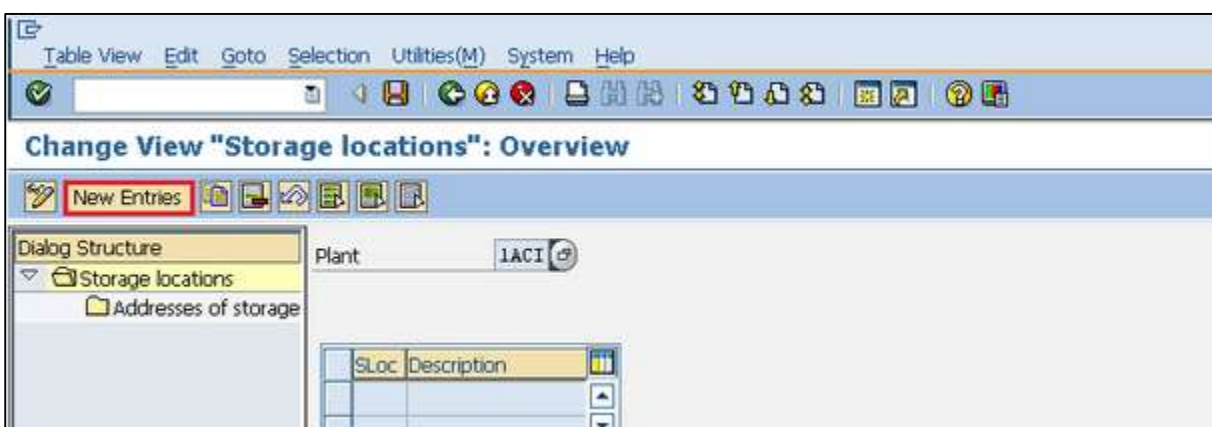
Step 1: To Create Storage Location, IMG -> Enterprise Structure -> Definition -> Materials Management. Click the **Maintain Storage Location** option or use the **T-Code: OX09**



Step 2: Enter the name of plant for which you want to create storage location.



Step 3: Click New Entries.



Enter the name of storage location along with the description of storage location.

Click the save icon after filling required information. A new Storage Location will be created.

4. SAP PS – Currencies

In SAP PS system, you can manage all the currency dependent data in the Project System using the following different currencies.

Controlling Area Currency

In this currency type, you define work breakdown structure (WBS), networks, activities, and orders in one controlling area. As the same controlling area is used, currency in a project system is also uniform.

Object currency

In Project System, it is possible to assign any object currency to different objects in the system.

- WBS element
- Project definition
- Network header
- Network activity

Note: When a company code is assigned to a controlling area and company code contains multiple currencies, you cannot allocate object currency in PS. In such a case, system automatically takes the local currency of company code.

Transaction currency

In this case, the costs and revenues from different business transactions are recorded as per currency of the business transaction.

Example

You can take the currency of PO in which it is raised in the system. In PS system, each amount is recorded in the database in all three currencies and you use the currency translation rates in the PS implementation.

Note: You can use Information system to view the reports in any currency including the above mentioned currency types and Project System translates the values in report as per the latest conversion values.

5. SAP PS – What is a Project?

A Project is defined as a temporary endeavor to create a product or to provide a service.

Projects have the following characteristics-

- Projects have a defined goal, which is agreed between the company and customer and is defined in Project Charter.
- Projects are complex, unique, and definitive in scope and involves a high certain risk to execute and complete on time.
- Projects have a defined quality requirements.
- Projects have definitive cost, duration and resources to work on the project.

Projects are defined as a part of the internal processes of a company. To execute the tasks in a project, you have to get an organizational form that is specific to the project and which is shared by all the departments involved.

You should define the project goal clearly to carry out project in its entirety and the activities to be carried out must be structured.

You can define project structure-

- As per the organization structure.
- As per the defined processes.

Work Breakdown Structure

This is the first step in project planning to define work breakdown structure to divide the activities into tasks. The type of tasks and activities to be defined vary as per project complexity and type of project- customer based or internal project.

In SAP Project system, you define the activities and people in the project in form of Work breakdown structure WBS.

Project Planning also involves the sequence of tasks to be performed and which tasks are dependent on each other and which tasks can be further divided in to smaller tasks. In SAP Project system, sequence of tasks are defined in the form of Network in project planning.

Maintain PS Types

A Project type is used to group or classify the projects as required. For example, banking projects capital projects or IT development projects.

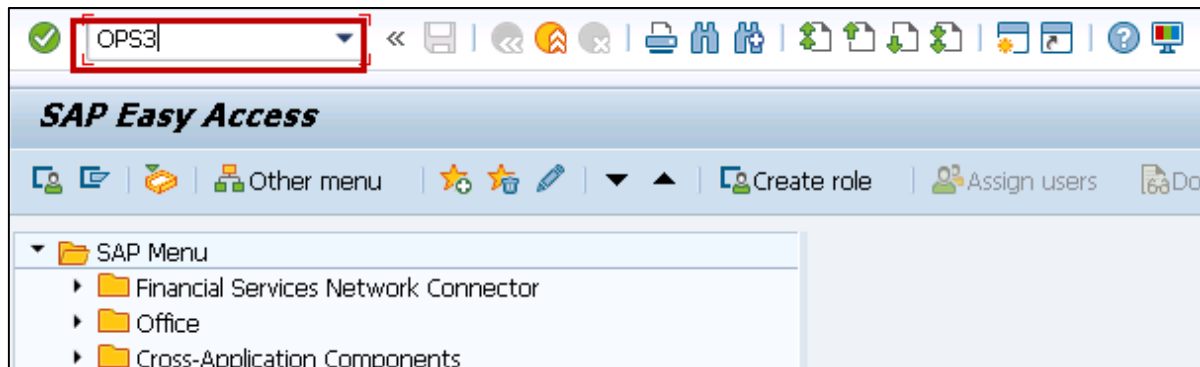
A Project type is also used for reporting, building authorization and for creating hierarchies and network in project planning. It can also be used for developing customer requirements, i.e., use of BADI for WBS settlement rule determination based on project type as a parameter.

By defining PS type for PS texts in SAP system, this helps you to attach the text in project builder and this text can be used in projects.

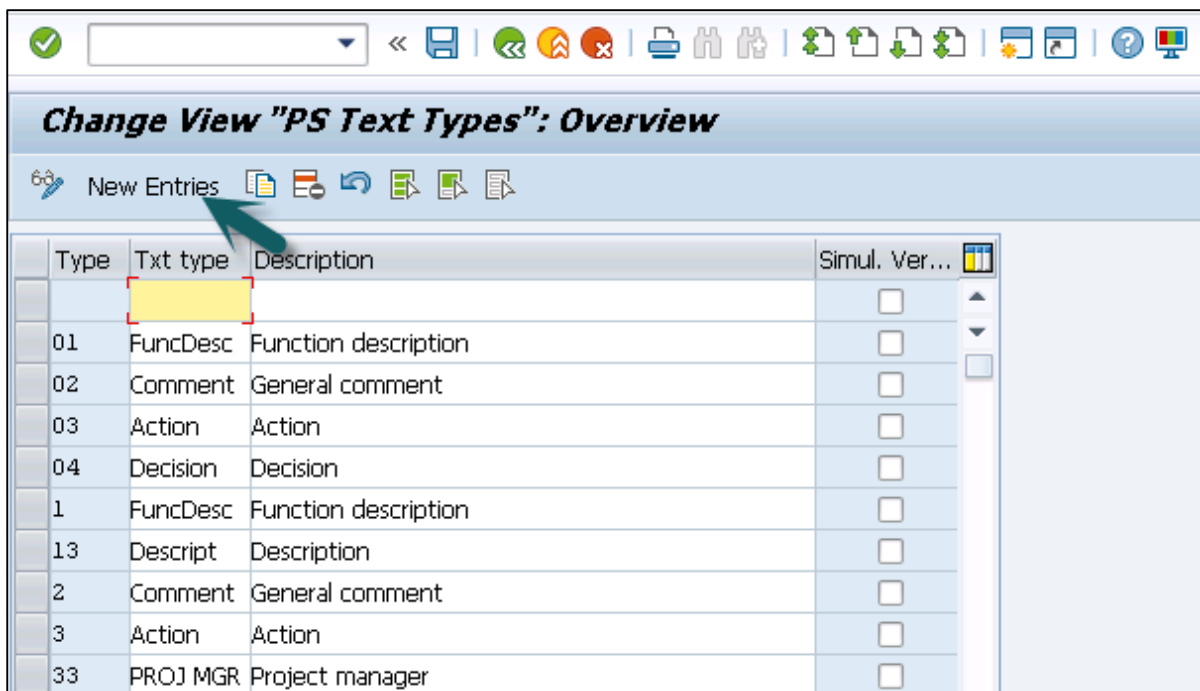
Defining PS type in PS Texts

To define PS type in PS texts, follow the steps given below-

Step 1: Go to SPRO -> IMG -> Project System -> Documents -> Define PS types for PS texts or use **T-code: OPS3**

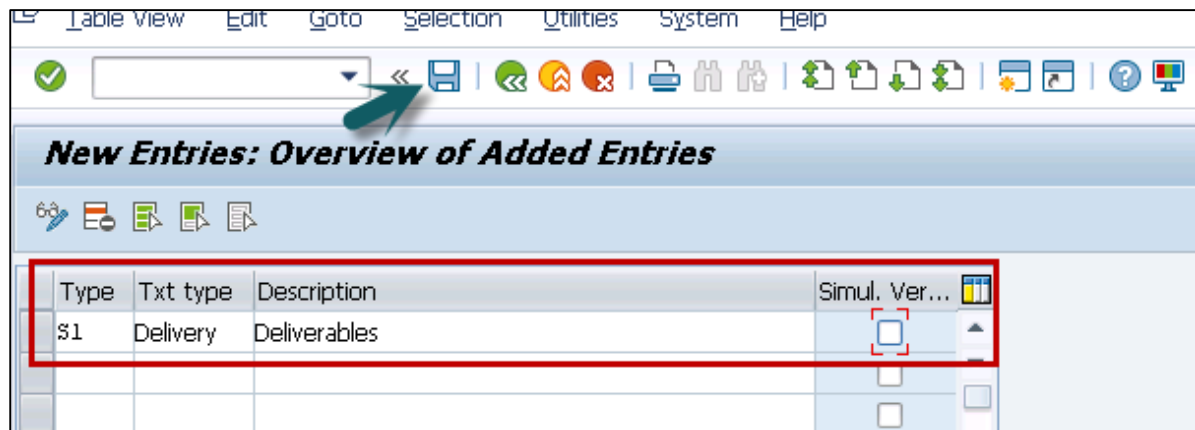


Step 2: The PS Text Type screen appears. Click **New Entries** to define new text types as per the business requirement.

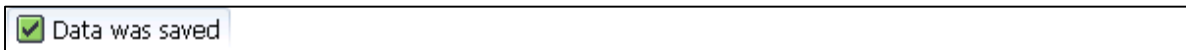


Step 3: In the next window, enter the following fields-

- Type: Enter the 2-digit unique ID to define PS type in system.
- Text Type: Enter the text that defines PS text type in system.
- Description: Enter the text of PS type.
- Simulation version: You can select checkbox to define changes in simulation version



Step 4: Once you enter the details, click the save button at the top.



6. SAP PS – Defining Special Characters

You can define various special characters in the project. These characters define how a project is coded for editing.

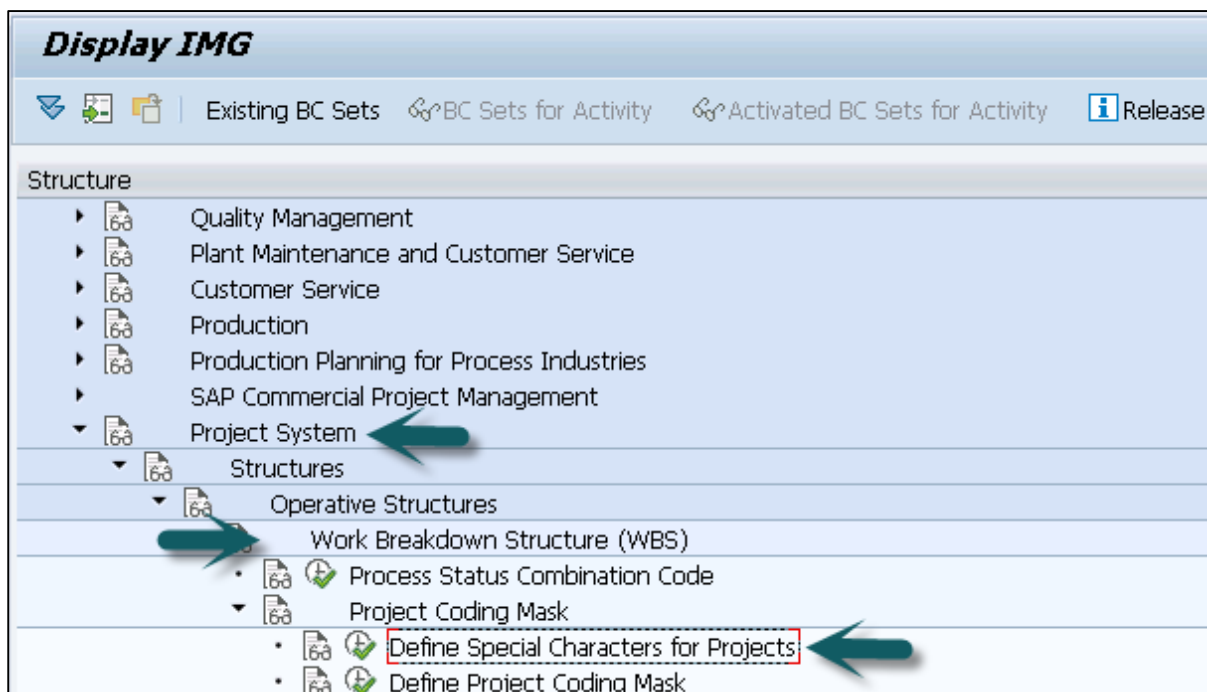
You can define different parameters for-

- Editing the project number.
- Length of key for project coding and an indicator to specify if a project should have this length or it can be shorter.
- Structure length to specify length must be equal to no of characters.
- Entry tool field for fast entry of WBS element.
- Special character helps WBS number to be separated with special characters.

Automatic Number assignment: This is used to update symbol that you want to assign automatically to project object and WBS.

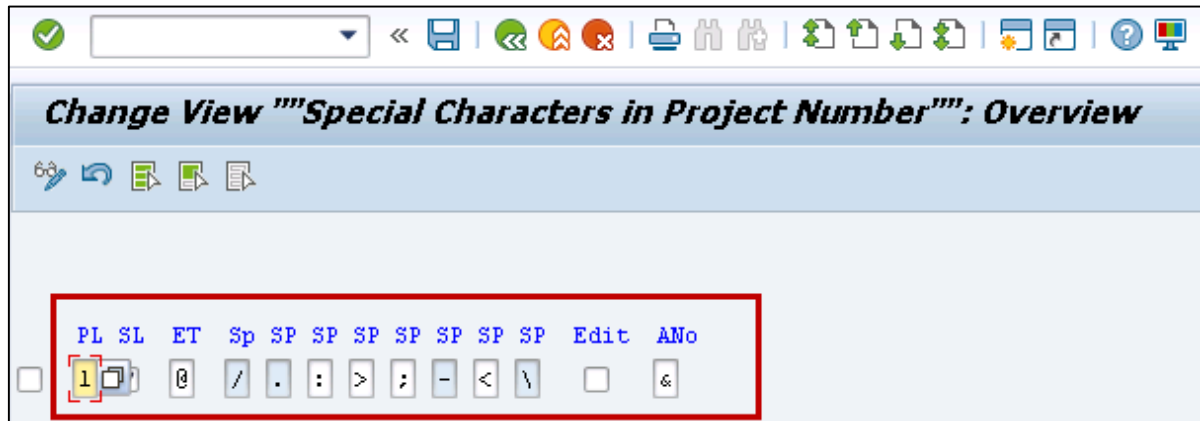
To define special characters, use **T-Code: OPSK**

Step 1: Go to SPRO -> IMG -> Project System -> Structure -> Operative Structure -> work breakdown structure -> Project coding mask -> Define special characters for project



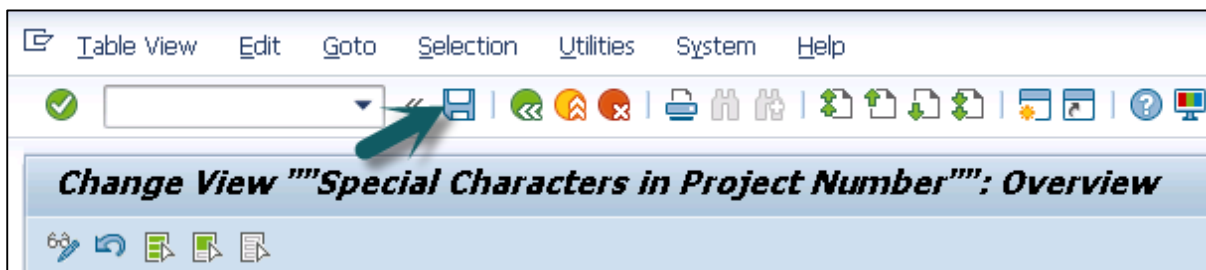
Step 2: On special characters overview screen, enter the following details-

- PL: Project Length
- SL: Structure Length
- Entry Tool: To fast enter WBS element
- Special Character: WBS to be separated with special characters
- EDIT: To create project with coding rules
- ANO: To assign symbol automatically to project



Note: SAP recommends avoiding these special characters: *, +, ? and % as these special characters are used for specific functions in the system.

Step 3: To save the configuration, click the save button at the top.

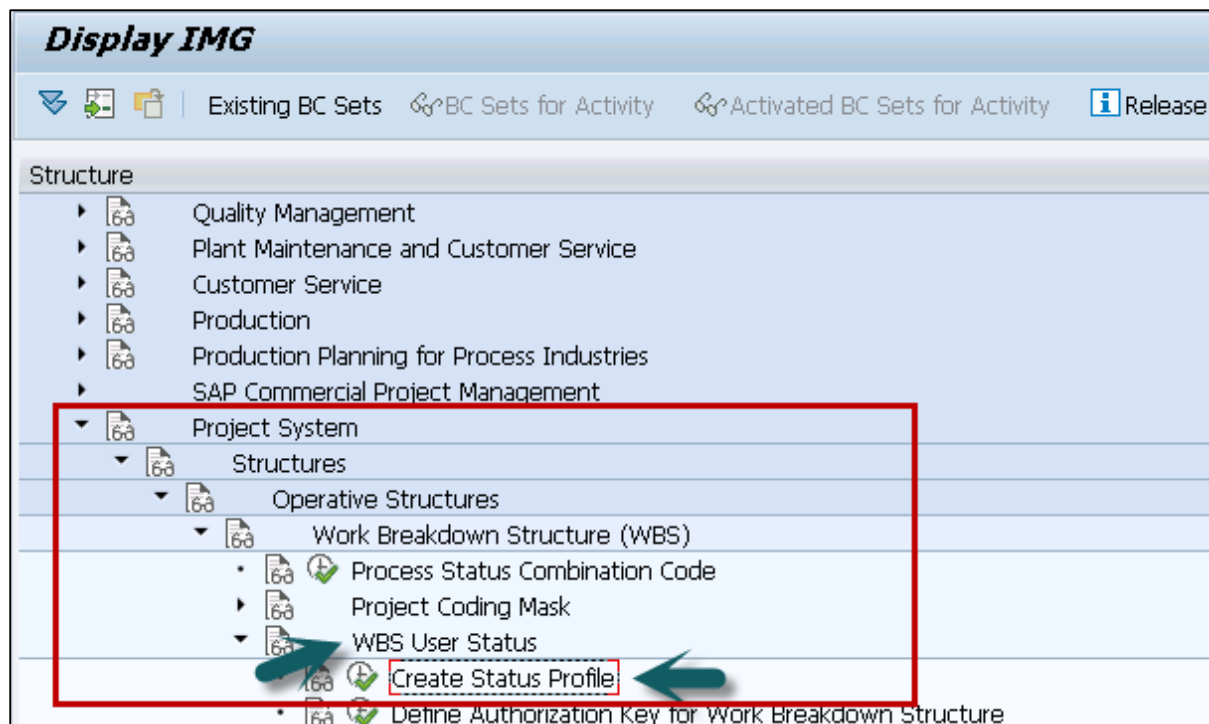


7. SAP PS – Status Profile

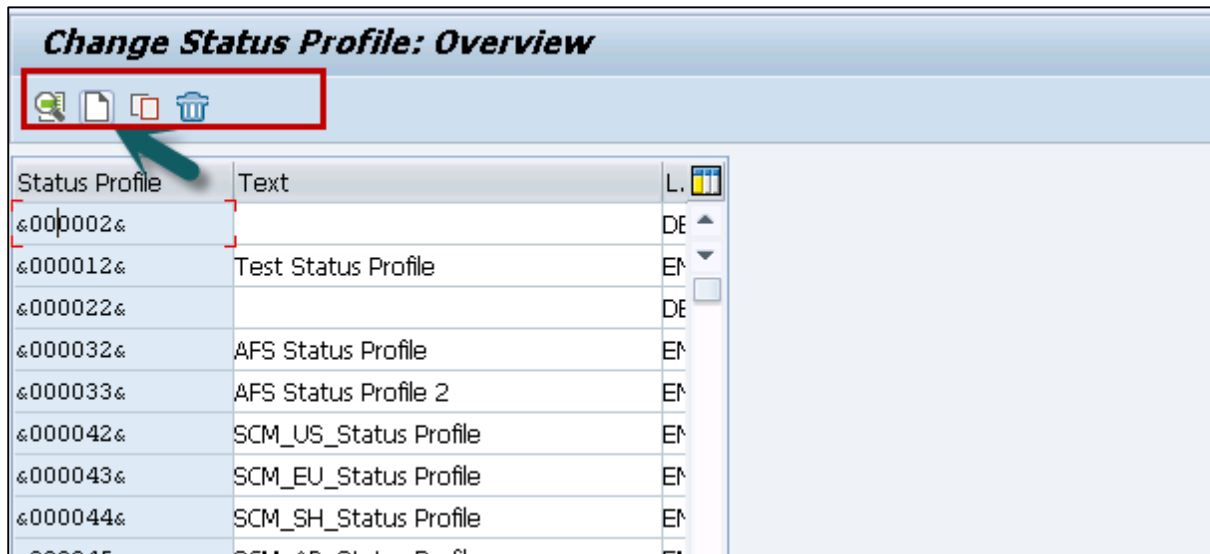
A status profile contains the individual user statuses and the business transaction rules defined for those statuses. You can define multiple limit number of user status profiles that can be maintained in SAP system.

To create a status profile in SAP system-

Step 1: You can use **T-code: OK02** or go to SPRO -> IMG -> Project Systems -> Structure -> Operative Structure -> Work breakdown structure -> WBS user status -> Create Status profile.

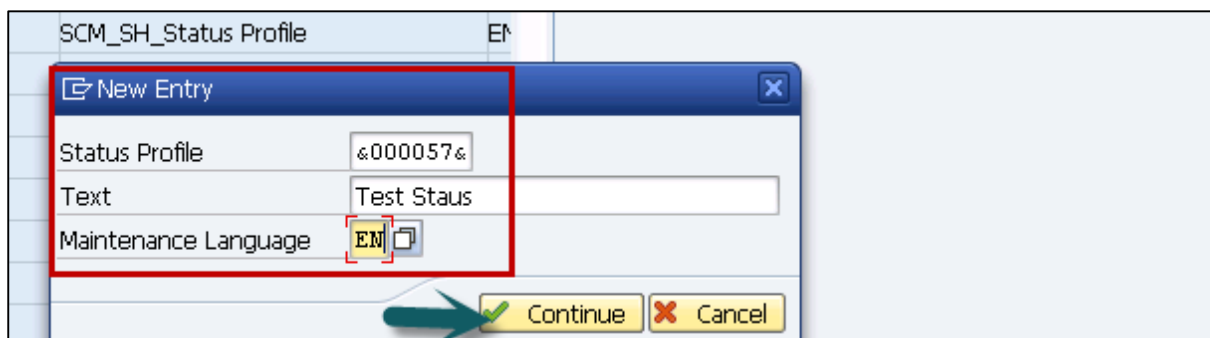


Step 2: A new screen **Change status profile overview** will open. You can use other options to copy an existing profile, to delete a profile or to view details.

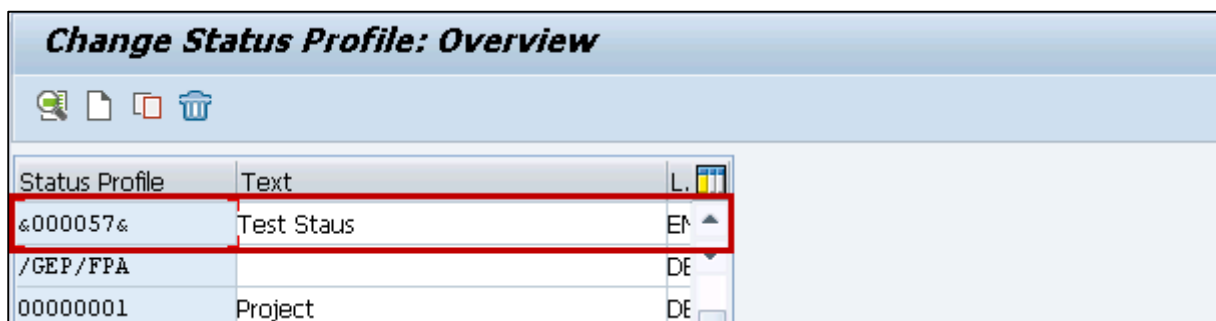


Step 3: In the next window, enter status profile Id to identify the profile in SAP system.

Enter the text of profile, Maintenance Language: Enter language key like EN. Press ENTER to continue.



Step 4: Once you press ENTER, status profile you have created will be shown in the list of status profile. Double-click on status profile.

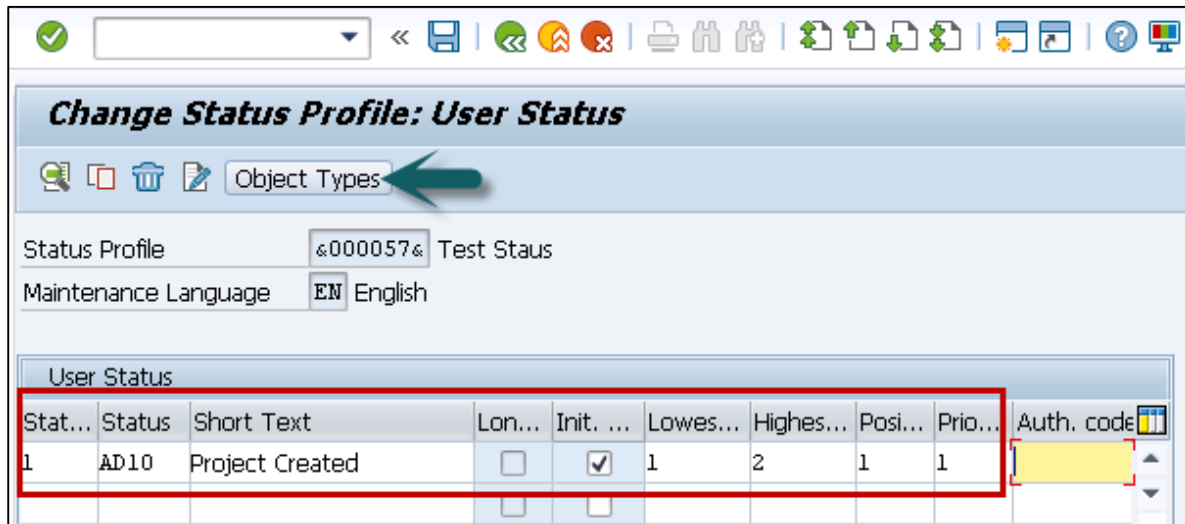


Step 5: In the next window, enter the following details-

- Stat: Status number form lowest to highest
- Status: Update unique status id

- Short text: description text
- Initial Status: To set the status of profile for project
- Lowest: Update the lowest status number
- Highest: Update highest status number
- Position: To determine status to be displayed

Step 6: After entering these details, click Object types at the top.



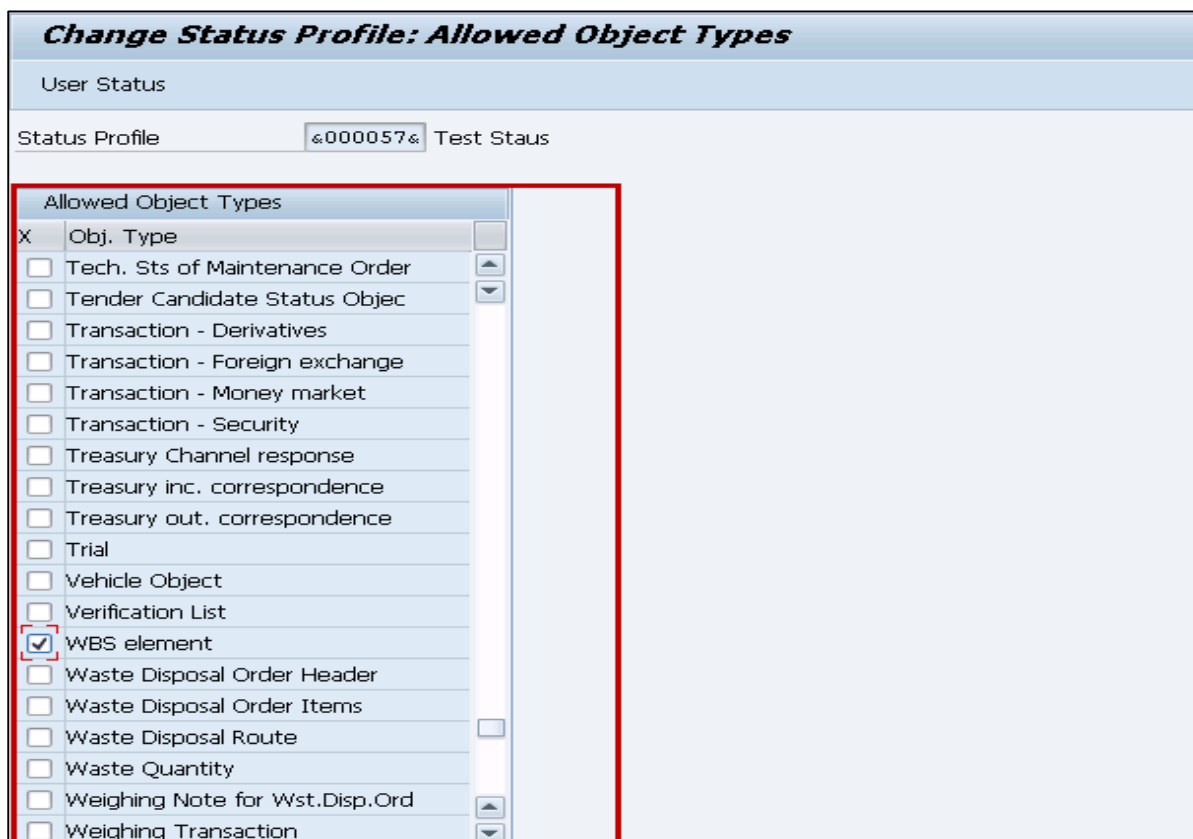
Change Status Profile: User Status

Object Types

Status Profile: &000057& Test Staus
Maintenance Language: EN English

Stat...	Status	Short Text	Lon...	Init. ...	Lowes...	Highe...	Posi...	Prio...	Auth. code
1	AD10	Project Created	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2	1	1	

The Allowed Object types screen appears with various options.



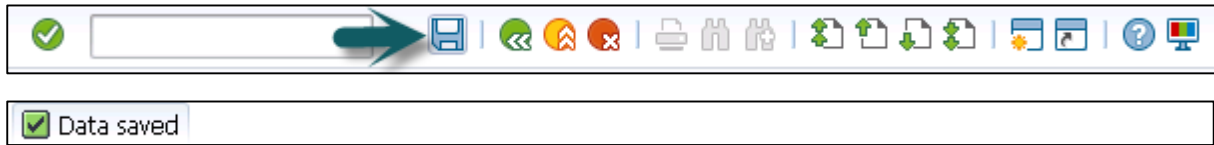
Change Status Profile: Allowed Object Types

User Status

Status Profile: &000057& Test Staus

Obj. Type	
<input type="checkbox"/> Tech. Sts of Maintenance Order	
<input type="checkbox"/> Tender Candidate Status Objec	
<input type="checkbox"/> Transaction - Derivatives	
<input type="checkbox"/> Transaction - Foreign exchange	
<input type="checkbox"/> Transaction - Money market	
<input type="checkbox"/> Transaction - Security	
<input type="checkbox"/> Treasury Channel response	
<input type="checkbox"/> Treasury inc. correspondence	
<input type="checkbox"/> Treasury out. correspondence	
<input type="checkbox"/> Trial	
<input type="checkbox"/> Vehicle Object	
<input type="checkbox"/> Verification List	
<input checked="" type="checkbox"/> WBS element	
<input type="checkbox"/> Waste Disposal Order Header	
<input type="checkbox"/> Waste Disposal Order Items	
<input type="checkbox"/> Waste Disposal Route	
<input type="checkbox"/> Waste Quantity	
<input type="checkbox"/> Weighing Note for Wst.Disp.Ord	
<input type="checkbox"/> Weighing Transaction	

Step 7: Once you enter all the details, click the save button at the top.

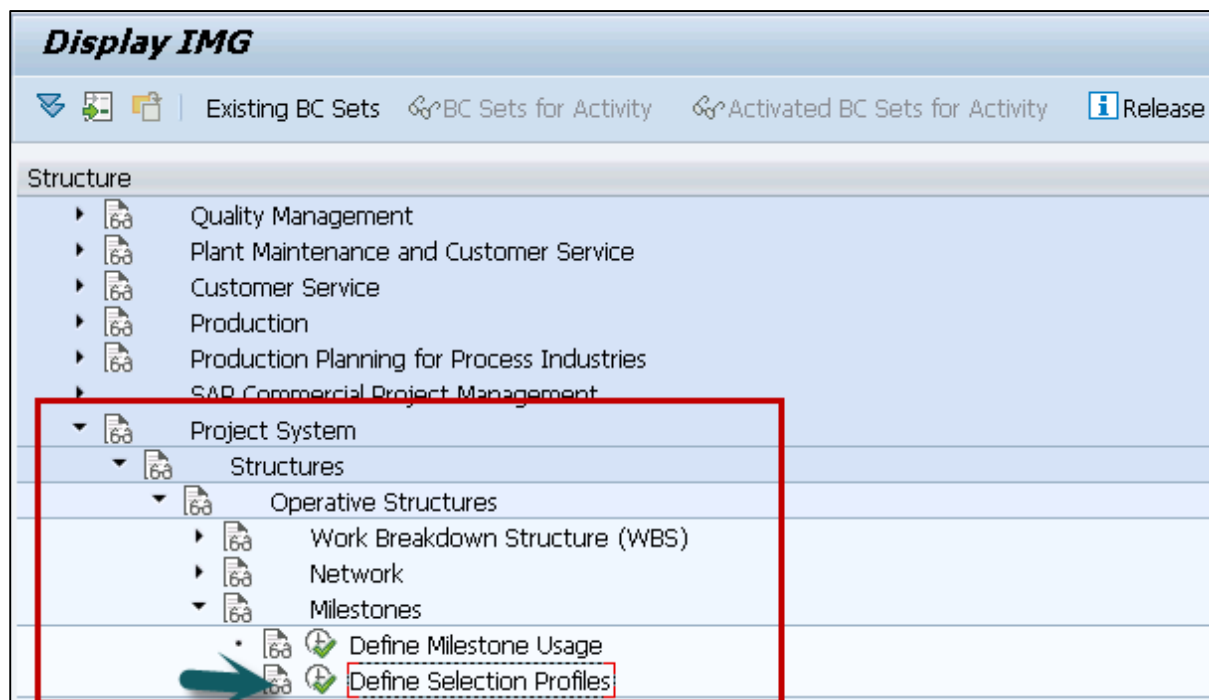


8. SAP PS – Selection Profile

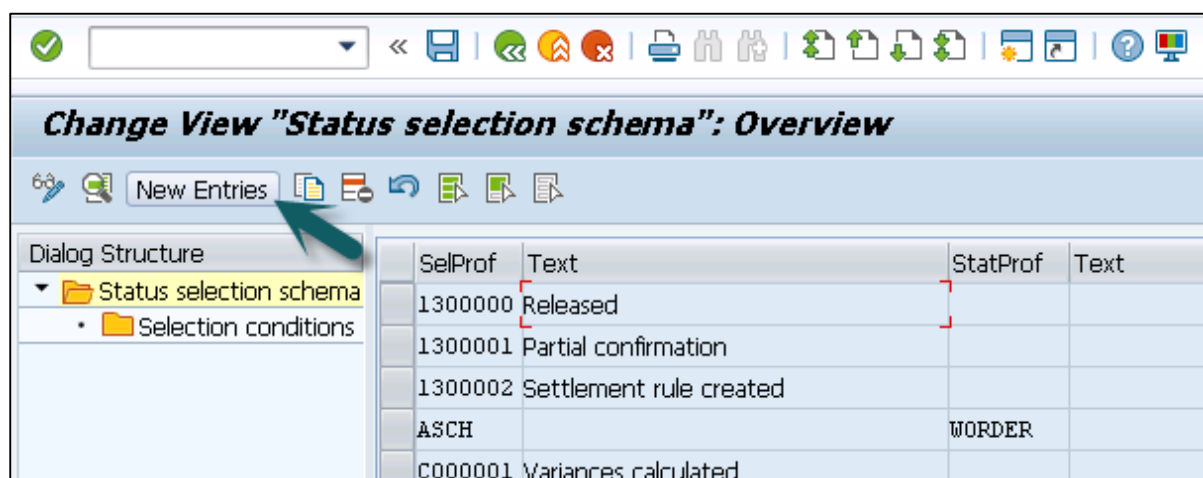
A Selection profile in SAP Project system is used when you have large number of selection objects repeatedly with same selection condition. Selection conditions are used using top-down approach.

To configure selection profile, follow the given steps-

Step 1: Go to SAP Easy access SPRO -> IMG -> Project Systems -> Structure -> Operative Structure -> Milestones -> Define Selection profiles or use **T-code: BS42**



Step 2: To create new selection profile, click New Entries on **Status Selection Overview** screen.



Step 3: In the next window, you have to enter 7-digit alphanumeric id that identifies the selection profile and text description of selection profile. Enter the status profile Id that you have created.

New Entries: Details of Added Entries

Dialog Structure

- Status selection schema
 - Selection conditions

Select. Profile: 0000057 Order Delivery_Test

Status Profile: 000057

Step 4: You can also perform Search option to select the Status profile.

New Entries: Details of Added Entries

Dialog Structure

- Status selection schema
 - Selection conditions

Select. Profile: 0000057 Order Delive

Status Profile: &000057&

Search Results (Status Profile (1) 163 Entries):

StatProf	Text
/GEP/FPA	
&000002&	
&000012&	Test Status Profile
&000022&	
&000032&	AFS Status Profile
&000033&	AFS Status Profile 2
&000042&	SCM_US_Status Prof
&000043&	SCM_EU_Status Prof
&000044&	SCM_SH_Status Prof
&000045&	SCM_AR_Status Prof
&000052&	Pipava Status Profile
&000057&	Test Staus
00000001	Project

Step 5: Next, go to Selection conditions screen on the left side.

New Entries: Details of Added Entries

Dialog Structure

- Status selection schema
 - Selection conditions

Select. Profile: 0000057 Order Delivery_Test

Status Profile: &000057&

Display folder contents

Step 6: Once you double-click, click the New Entries button at the top.

Change View "Selection conditions": Overview

New Entries

Dialog Structure

- Status selection schema
 - Selection conditions

Select. Profile: 0000057 Order Delivery_Test

Status Profile: &000057& Test Staus

Link	Usr	St.Prof.	Status	Status

Step 7: In the next window, enter the following details-

- Usr: For user status
- StatusProf: This is optional field to update user status profile.
- Status: Update status from drop down, If status is user status, you can select X from the drop down.

Status (1) 500 Entries found

Restrictions

Usr copy t Status

X 0 Project Created

CTRR	Ready to Use
CRTD	Created
REL	Released
MSCP	Capacity shortage
MSPT	Material shortage
AVAC	Availability control active
ESTC	Estimated costs
PRT	Printed
PPRT	Part printed
CNF	Confirmed
PCNF	Partially confirmed
CPCK	Capacity checked
DLV	Delivered
DLT	Deletion indicator
PCST	Product costed
NCMP	Not completed
PRC	Pre-costed
ISSD	Goods issued
SFMT	Settlement fields maintained
SETC	Settlement rule created
DSEX	Date set by external system
CNC	Costs not current
SORL	Subordinate order released

Step 8: To exclude selected condition in the report, enter-

State: To show if profile is active

New Entries: Overview of Added Entries

Dialog Structure

- Status selection schema
 - Selection conditions

Select. Profile: 0000057 Order Delivery_Test

Status Profile: &0000057& Test Staus

Link	Usr	St.Prof.	Status	Status	not	State
	<input checked="" type="checkbox"/>		AD10	Project Created	<input type="checkbox"/>	Active
and	<input checked="" type="checkbox"/>		CRTD	Created	<input type="checkbox"/>	Active

Step 9: Once you enter all the details, click the save button at the top.

☒ Data was saved

9. SAP PS – Project Profile

A Project profile is defined to maintain default values and control parameters like planning methods for costs. The information entered in project profile is copied to project in project definition or also in the project elements. This information can be changed at later stage.

Note that the values in the project profile is used to maintain the functions of certain areas of the Project System and should only be changed without considering all the factors. You should not change the keys related to costing sheet or the results analysis key as these can change existing system.

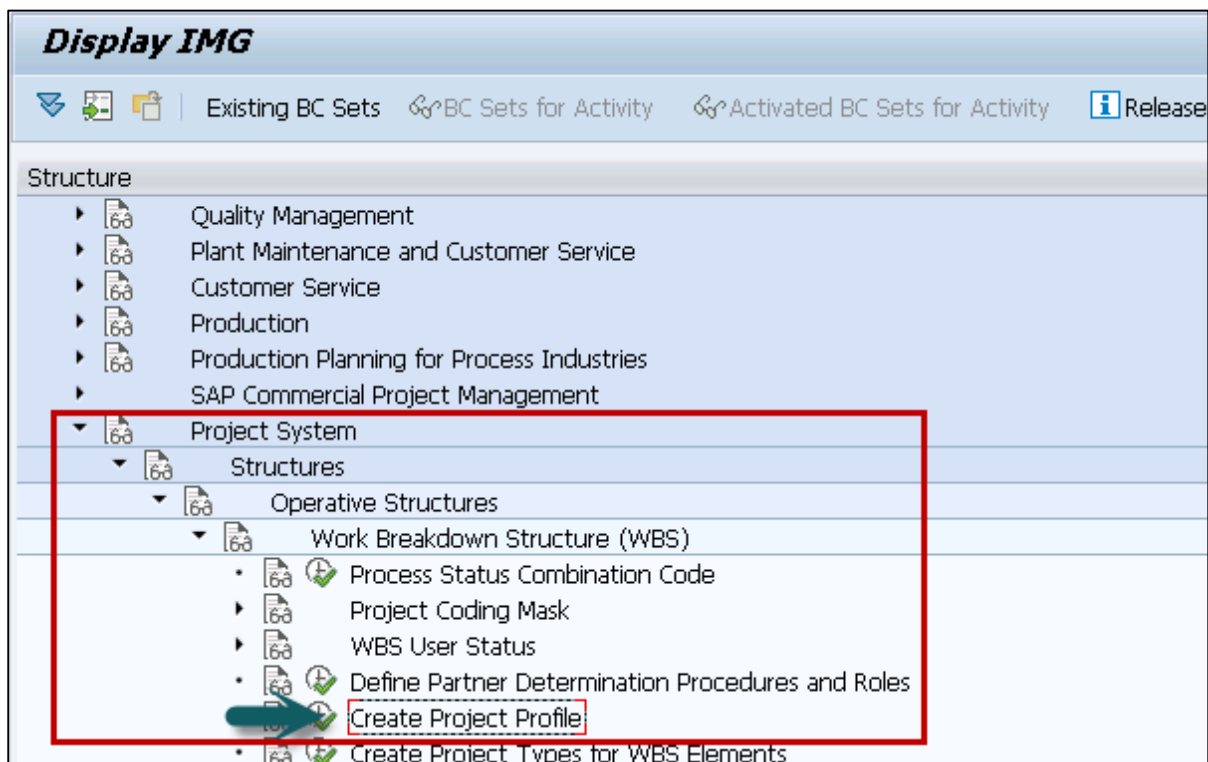
You must maintain the following information under project profile section-

- Basic data
- Time scheduling
- Costs/revenues/finances
- Organizational data

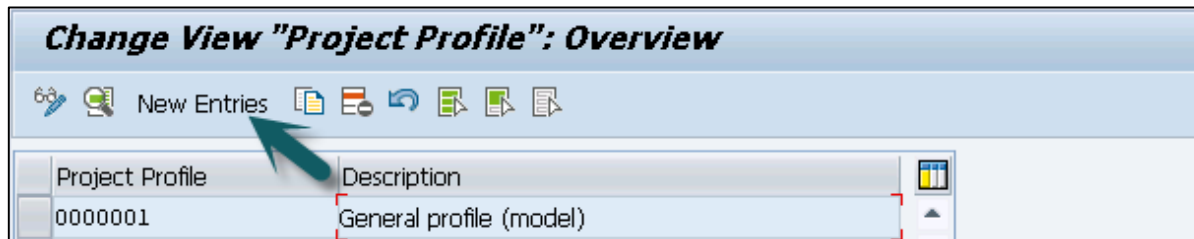
A standard R/3 System contains the predefined project profile that has the most important control parameters.

To create a Project profile-

Step 1: **Use T-code: OPSA** or go to SPRO -> IMG -> Project Systems -> Structure -> Operative Structures -> Work Breakdown structure -> Create Project Profile.

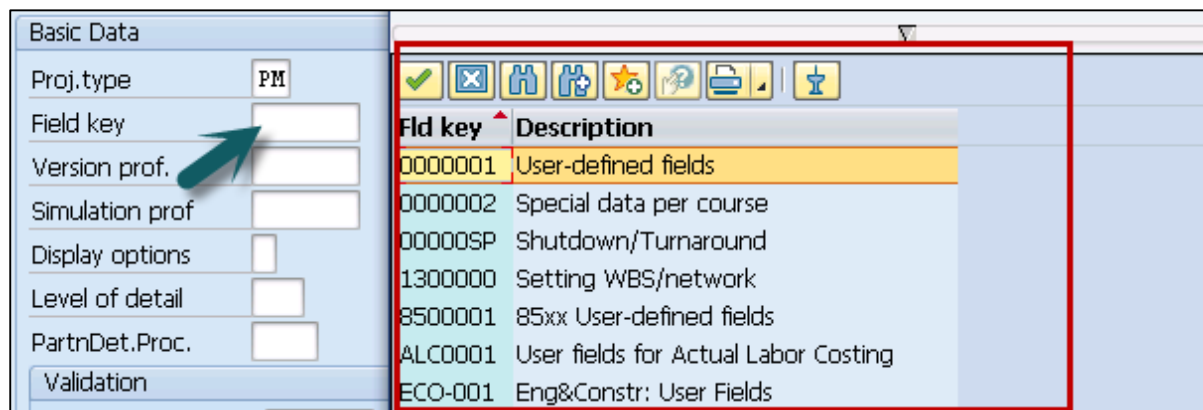


Step 2: To create a new profile, click New Entries on Project Profile Overview screen.



On the **New Entries** screen, enter the following details-

- **Proj.prof.:** Enter the unique ID that identifies project profile in SAP system.
- **Project Type:** Category to which project belongs.
- **Field Key:** Select field key from the drop-down list. You can select different field keys for different projects as shown below:



In the new window, select the following-

- **Display Options:** This determined how the project will be identified in project builder.
- **All account assessment element:** This has to be selected if all WBS has to be created using this profile.
- **Project summarize master data:** Select this field to summarize the master data in project. This is used to perform any reports.
- **Project Stock:** Default is no stock option.

New Entries: Details of Added Entries

Proj.Prof. 0000057 Project Profile PM

Control Organization Plg board/dates Controlling

Basic Data

Proj.type PM ☒ All acct asst elem
 Field key 0000001 ☐ Only one root
 Version prof. ☐ Trsfr to proj.def.
 Simulation prof. ☐ ChangeDocuments
 Display options 1 ☒ Proj. summ. MastDa
 Level of detail ☐ iPPE Proj. Rel.
 PartnDet.Proc. ☐

Validation

Project def. ☐ Autom. validation
 WBS Elements ☐

Substitution

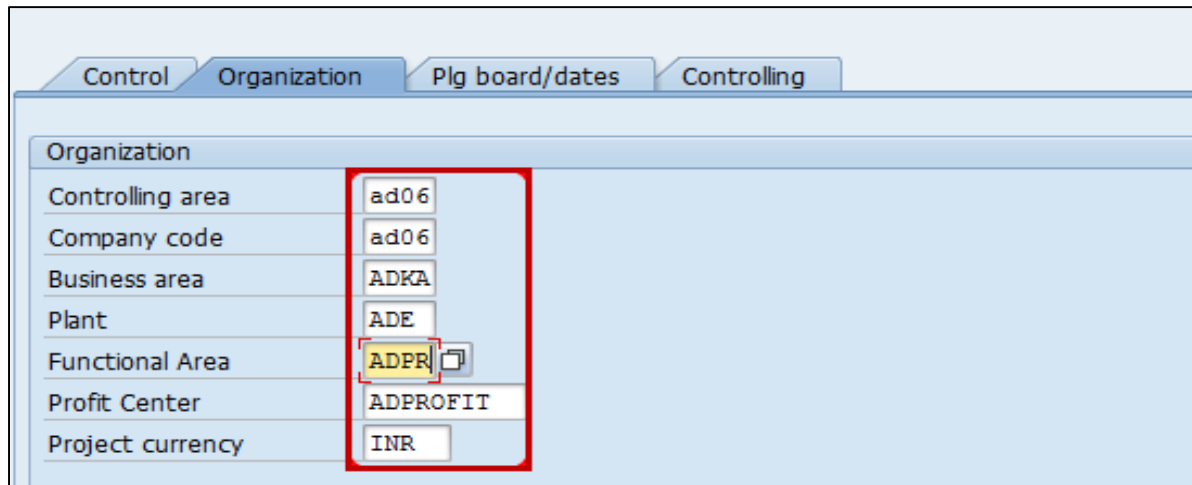
Project def. ☐ Autom. substitution
 WBS Elements ☐

Project Stock


☒ No stock ☐ non-valuated stk ☐ valuated stock ☐ Automatic reqmnts grouping

Next, go to Organization tab. You have to enter the following details under the Organization tab:

- **Controlling Area:** Enter Controlling area belongs to project profile
- **Company Code:** Enter the company code that belongs to Control area
- **Business area:** Enter business area belongs to company code and controlling area
- **Plant:** Enter plant code belongs to company code
- **Functional area:** Enter functional area key
- **Profit Center:** Enter profit center belongs to controlling area
- **Project Currency:** Enter project currency



The screenshot shows the 'Organization' tab in the SAP PS interface. A red rectangle highlights the 'Functional Area' field, which contains the value 'ADPR' and a small icon to its right. Other fields in the 'Organization' section include 'Controlling area' (ad06), 'Company code' (ad06), 'Business area' (ADKA), 'Plant' (ADE), 'Profit Center' (ADPROFIT), and 'Project currency' (INR). The top navigation bar includes 'Control', 'Organization', 'Plg board/dates', and 'Controlling'.

Organization	
Controlling area	ad06
Company code	ad06
Business area	ADKA
Plant	ADE
Functional Area	ADPR 
Profit Center	ADPROFIT
Project currency	INR

Click the save button at the top to save the project profile.

10. SAP PS – Settlement Profile

In a project, you collect cost and revenues temporarily and they have to settle as part of period end processing. You need a settlement profile stored in project profile or network type, which determines whether settlement is required, allowed, or blocked.

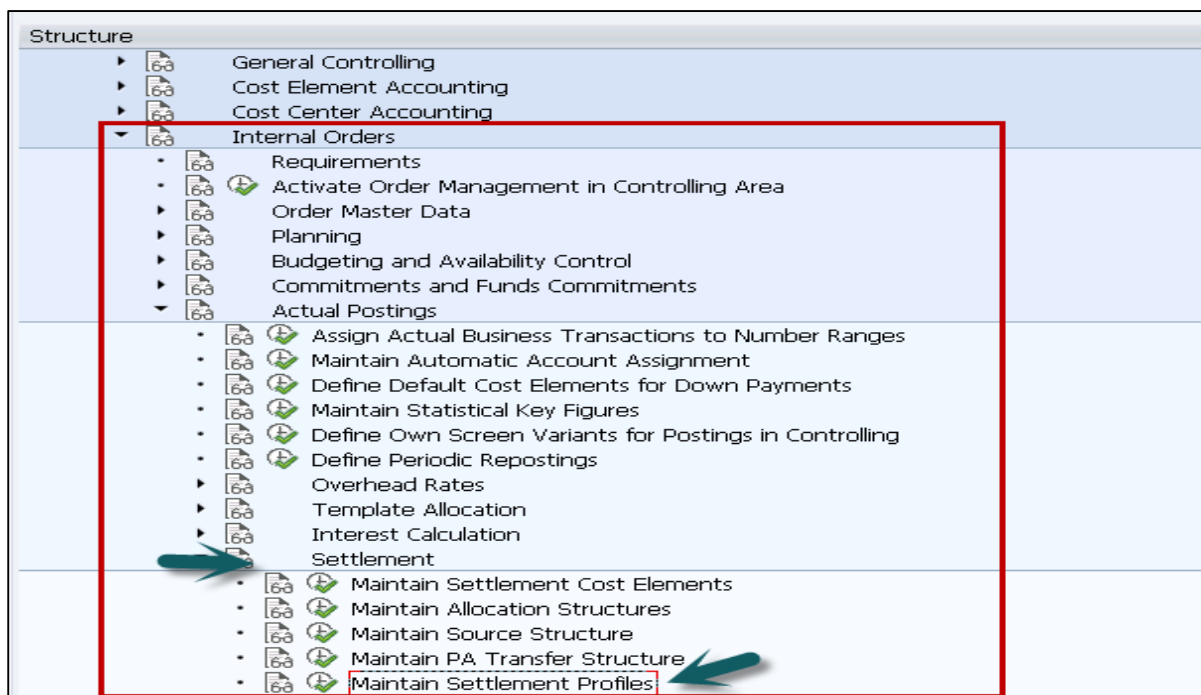
You can use the settlement profile to define the following for actual costs-

- Full Settlement
- Can be settled
- Not to be settled

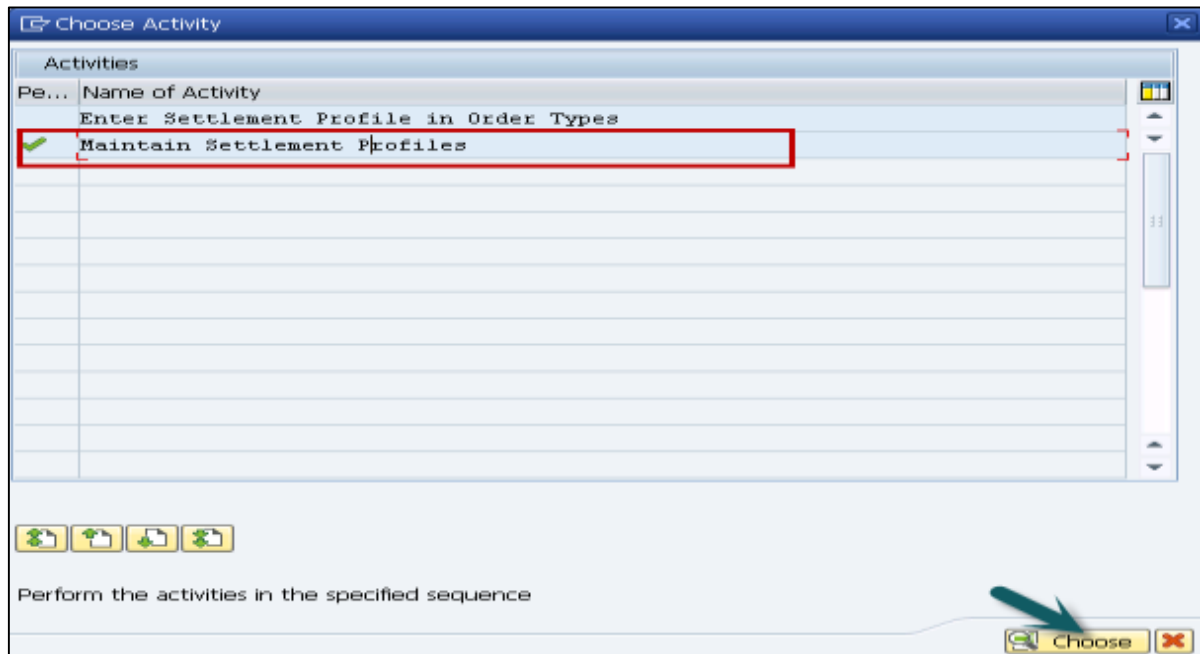
As per the settings in the settlement profile, there is a need to settle the costs of an object in full before that object is achieved in the system.

You can maintain a settlement profile in system.

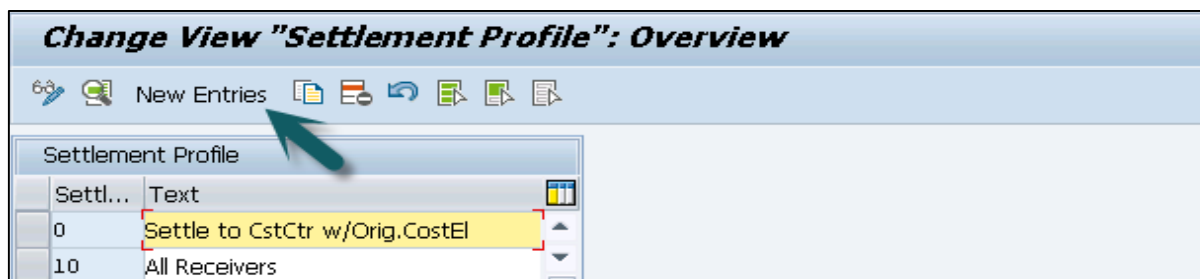
Step 1: Use the **T-code: OK07** or navigate to SPRO -> IMG -> Controlling -> Internal Orders -> Actual Postings -> Settlement -> Maintain settlement profiles.



Step 2: In the next window, select **maintain settlement profiles** and click Choose.



Step 3: To create a new settlement profile, click New Entries in the Settlement profile overview window.



Step 4: In the next window, you have to enter the following details-

- **Settlement profile:** Enter unique ID that identifies the settlement profile in system and description.
- **Actual Cost/Cost of sales:** To find the settlement value
- **Default values:** Enter allocation structure and default object type field
- **Indicator:** Select % settlement and amount settlement
- **Enter Receivers**
- **Other parameters:** document type, maximum number of dist rls, residence time

New Entries: Details of Added Entries

Settlement profile: ADSN Settlement NW

Actual Costs/Cost of Sales

☒ To Be Settled in Full
☐ Can Be Settled
☐ Not for Settlement

Default Values

Allocation structure: 13
Source structure:
PA transfer str.:
Default object type: WBS

Indicators

☐ 100%-validation
☒ %-Settlement
☐ Equivalence numbers
☒ Amount settlement
☐ Variances to Costing-Based PA

Valid Receivers

G/L account	Settlement Not Allowed
Cost center	Settlement Not Allowed
Order	Settlement Not Allowed
WBS element	Settlement Optional
Fixed asset	Settlement Not Allowed
Material	Settlement Not Allowed
Network	Settlement Not Allowed
Profit. Segment	Settlement Not Allowed
Sales order	Settlement Not Allowed
Cost objects	Settlement Not Allowed
Order Item	Settlement Not Allowed
Business proc.	Settlement Not Allowed
Real Est. Object	Settlement Not Allowed

Other Parameters

Document type: SA
Max.no.dist.rls: 3
Residence time: 3 Months

Step 5: Once you enter all the fields, click the save button at the top.

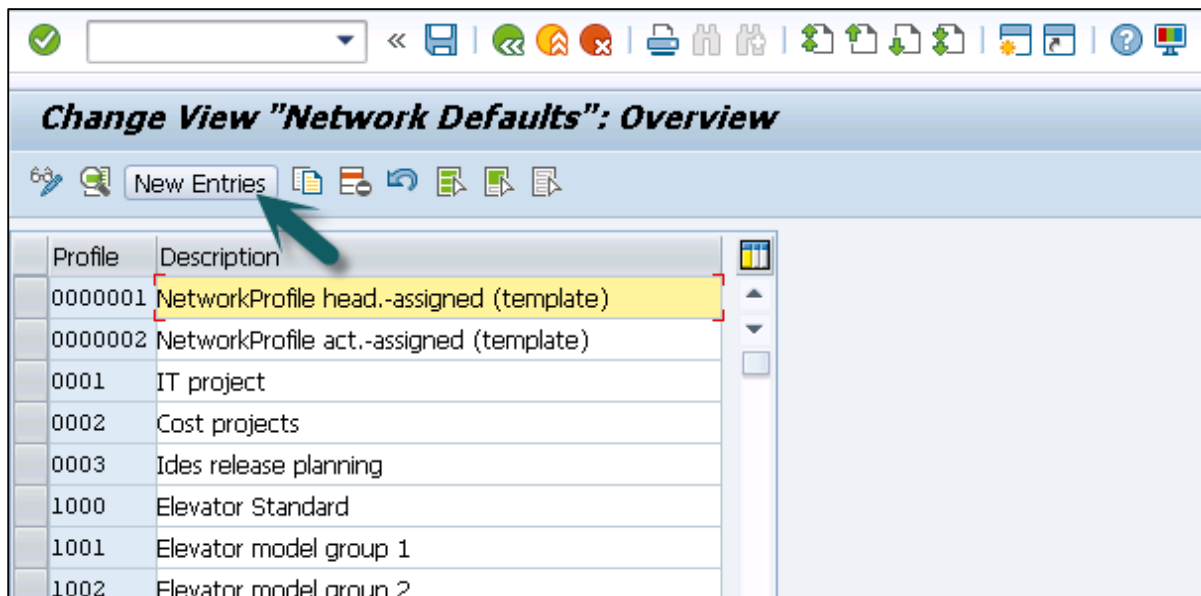
☒ Data was saved

11. SAP PS – Network Profile

You can create network profile in SAP PS to maintain Network and WBS structure and to define rules for linking networks.

To create network profile, follow the steps given below-

Step 1: Use **T-Code: OPUU** or go to SAP Easy access, SPRO -> IMG -> Project System -> Structures -> Operative structure -> Network -> Setting for Network



Step 2: In next screen, enter the following details-

- **Network Profile:** This is unique Id to identify network profile in the system.
- **Plant:** Enter plant code and it is default for all activities
- **Network Type:** Enter the network type from drop down list
- **MRP Control group:** Enter the MRP control group associated with planner group
- **Relationship view:** Enter the relationship view used for defining rules for linking network
- **Comp increment:** Enter the comp increment
- **Check WBS account:** Enter WBS account system determines the WBS.
- **Reservation Purchase requisition:** Enter Reservation purchase requisition
- **Capacity Requirement:** Select this to calculate capacity requirement once network is saved.
- **Project summary Master data:** To summarize master data

New Entries: Details of Added Entries

Network profile: 0000057 | NWProfile_TEST

Network | Graphic | Activities

Network parameters

Plant: 0005
 Network type: 0100
 Planner group: 000
 MRP cont.group: 001
 Rel. view: 3
 Level of detail:
 Comp. increment: 10
 Op./act. incmt: 0010
 Check. WBS act.: No check
 Overview var.:
 Procurement:
 Field key:
 Version prof.:
 Std text key:
 Validation:

Res./Purc. req. 3
☒ Cap. reqmts
☐ Entry tool
☐ Project sum.
☒ Align.Fin. date
☒ Proj. summ. MastDa
☐ IPPE Proj. Rel.

Step 3: Next, go to the Graphic tab to select the details for network graphics like color, display option, etc.

New Entries: Details of Added Entries

Network profile: 0000057 | NWProfile_TEST

Network | Graphic | Activities

Graphic

Graphic prfl: PS | Network
 Rel. display: 1
 Display options: 1
 SearchTxtIndex1:
 SearchTxtIndex2:
 SearchTxtIndex3:
 Prf planning board: 0001
 Overall profile ID: SAPCRPG001

Step 4: Similarly, go to the Activity tab and enter the details.

New Entries: Details of Added Entries

Network profile 0000057 NWProfile_TEST

Network Graphic **Activities**

Activity parameters

Internally processed activity

Control key PD01

Mat.cost elem. 211400

Click the save button at the top.

12. SAP PS – Network Type

Network type is defined as an order type with different order categories- Production order, network order, etc.

These orders represent different business transactions- CO01 / CO11N, IW31, KO01, OPSC and these order parameters are defined by order categories. All these order types are relevant for specific applications.

In SAP PS system, a network type is used to contain the information for controlling and managing networks. Network is defined as work order that has a structure in common with production, maintenance, and inspection orders.

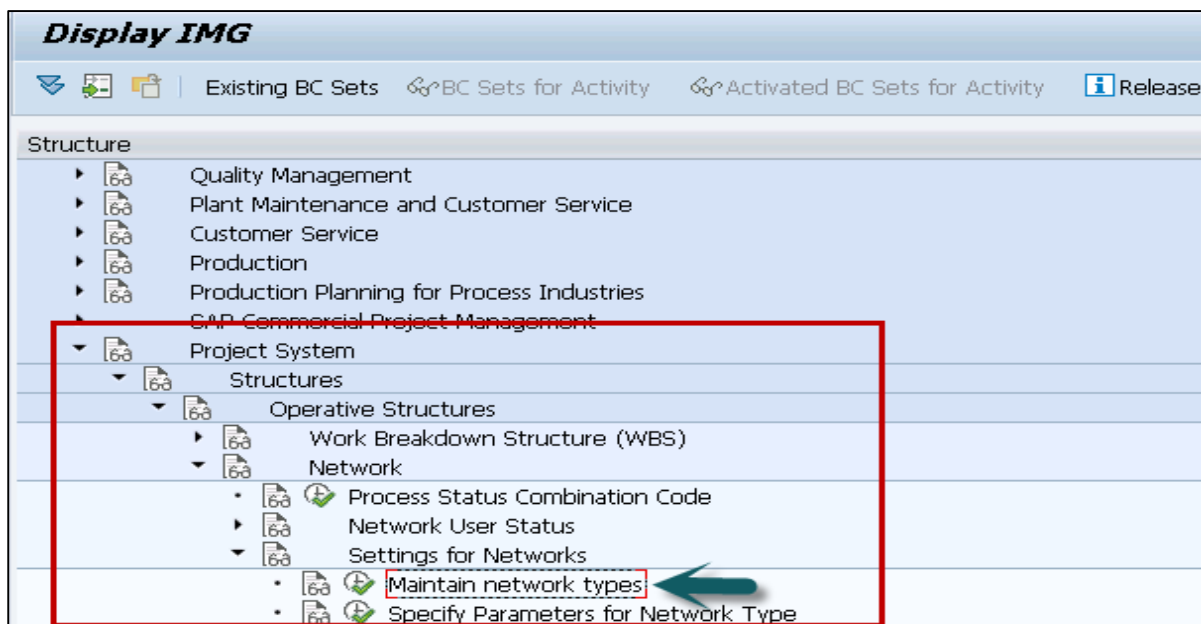
In SAP system, when you define a network, it should also contain a network type maintained with it.

Network type in PS system determines-

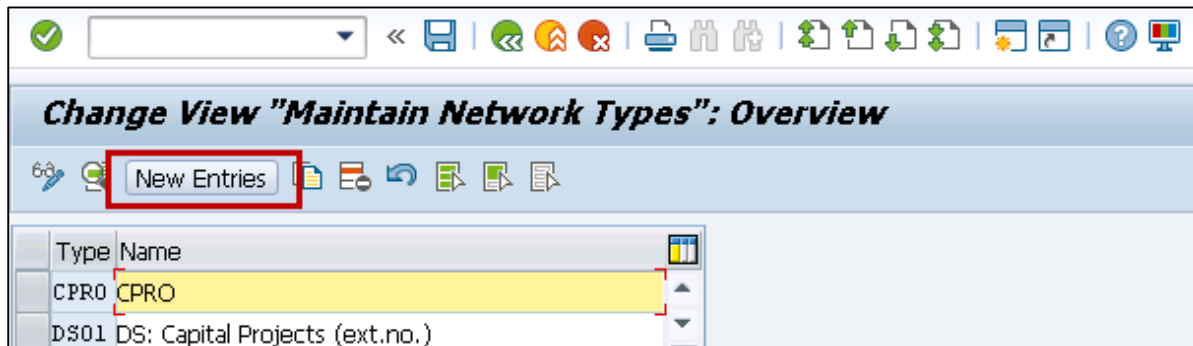
- Order category
- CO Partner update

To maintain a Network type, follow the steps given below-

Step 1: Use **T-Code: OPSC** or go to SPRO -> IMG -> Project System -> Structures -> Operative structure -> Network -> Setting for Network -> Maintain Network Type.



Step 2: In the next screen, click New Entries to create a network type.

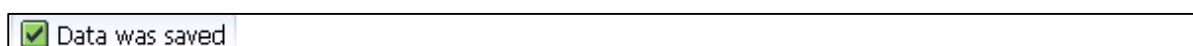


Step 3: In the next screen, enter the following details-

- Order Type: Enter unique id that identifies the order type in SAP system
- Control Indicator: to select classification and to copy data to Controlling
 - Residence Time 1
 - Residence Time 2
- Functional Area: To create Profit and Loss account in FI
- Settlement profile and other fields as shown below.

The screenshot shows the SAP 'New Entries: Details of Added Entries' screen. The 'Order category' is set to '20 Network' and 'Order Type' is 'SD0T Network Order_TEST'. The 'Control indicator' section shows 'CO partner update' as 'Semi-active'. The 'Reorganization' section shows 'Residence Time1' as '2 Months' and 'Residence Time2' as '4 Months'. The 'Costs' section shows 'Functional Area' as an empty field, 'Object Class' as an empty field, and 'Settlement Profile' as '10'. The 'Status management' section shows 'Status Profile' as '0000057' and 'Release Immed.' as an empty checkbox. The 'Number range general' section is also visible.

Step 4: Click the save button at the top.

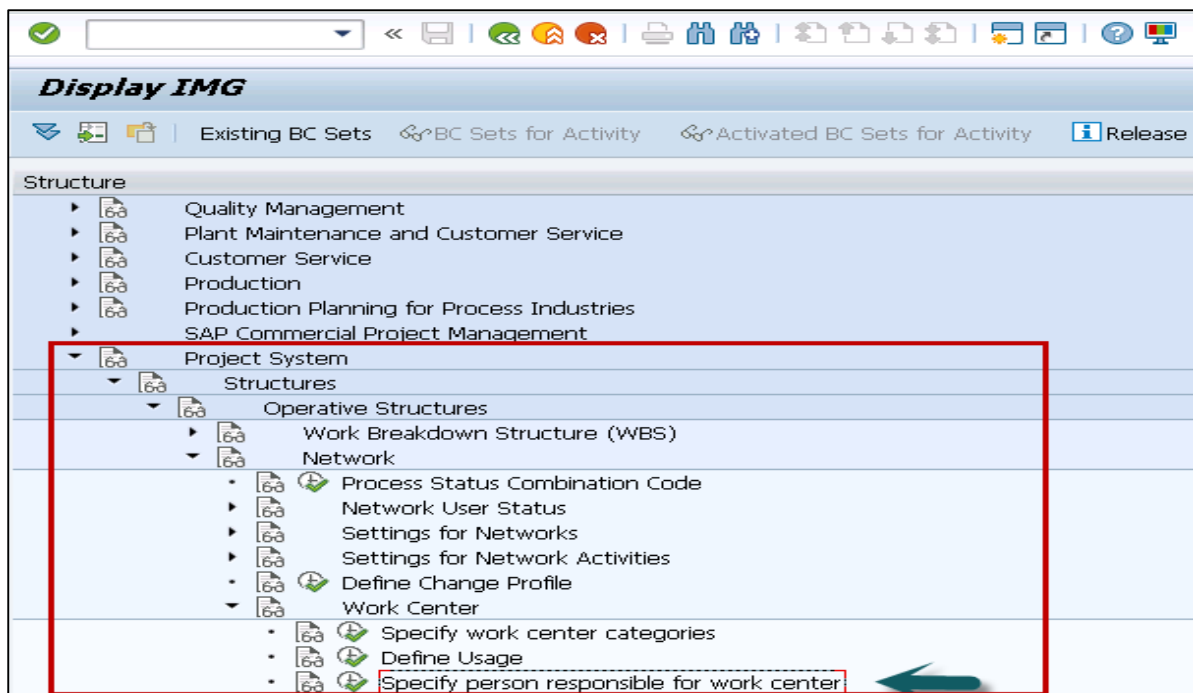


13. SAP PS – Person Responsible for Work Center

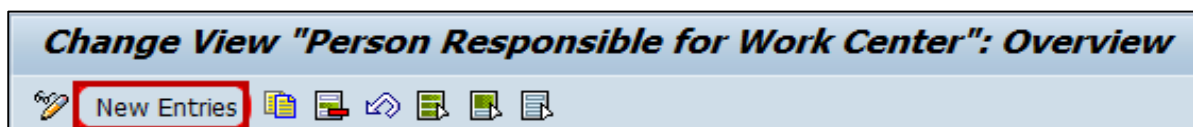
In SAP Project System, you can define the person responsible for Work Center. To define a responsible person, you need to enter **person responsible Id** and descriptive name of the person responsible for managing the work center.

To specify a person responsible for work center, navigate to the following path in SAP Easy access.

Step 1: SPRO -> IMG -> Project System -> Structures -> Operative structure -> Network -> Work Center -> Specify person responsible for work center



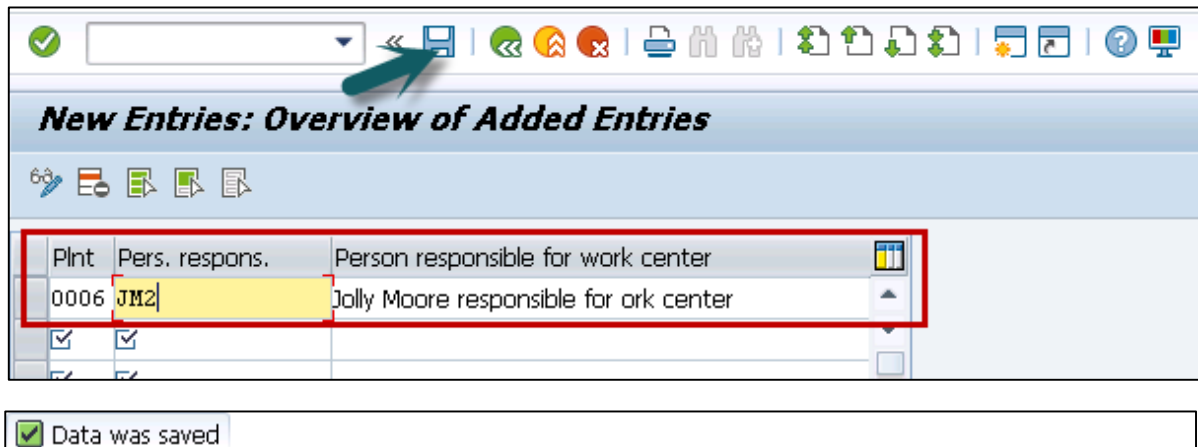
Step 2: In the next window for Person Responsible for Work center, click New Entries.



Step 3: In the next screen, you have to enter the following details-

- **Plnt:** Enter the plant key that you want to assign person for work center.
- **Pers. Respons:** In this field, enter the person responsible for work center ID
- **Person responsible for work center:** Descriptive name of person responsible for managing work center.

Step 4: Once you enter all the details, click the save button at the top.



New Entries: Overview of Added Entries

Plnt	Pers. respons.	Person responsible for work center
0006	JM2	Jolly Moore responsible for ork center

✓ Data was saved

14. SAP PS – Maintain Activity Control Key

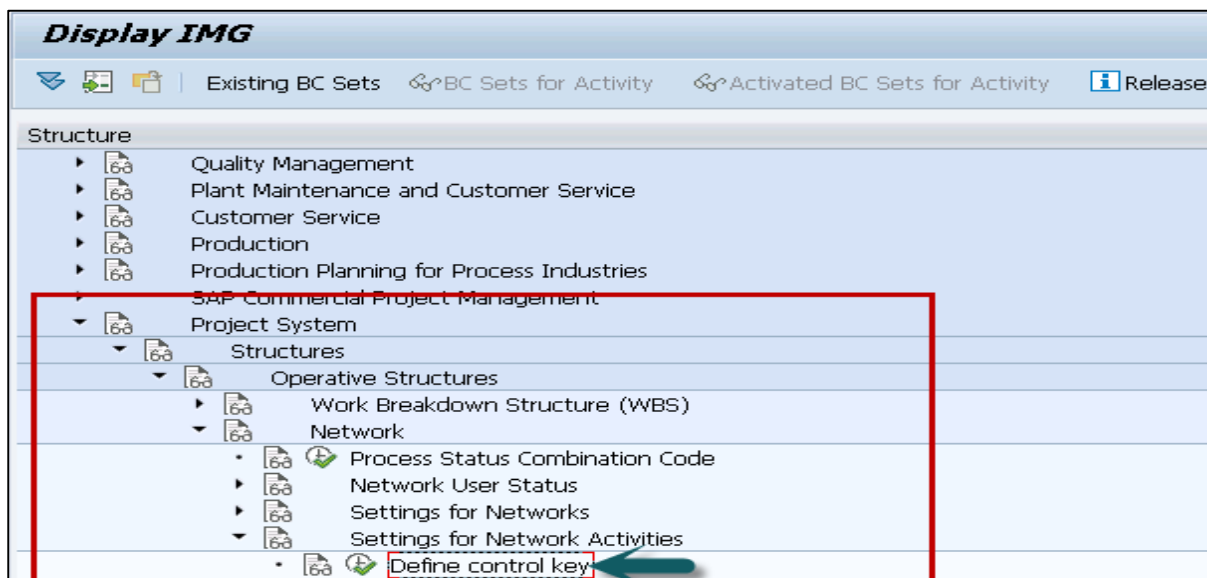
In SAP Project system, you can create control key to perform the different activities and activity elements.

Using Control key in SAP PS system, you can determine the business transactions to be performed when you perform an activity. An activity can be an internal activity, external activity or both.

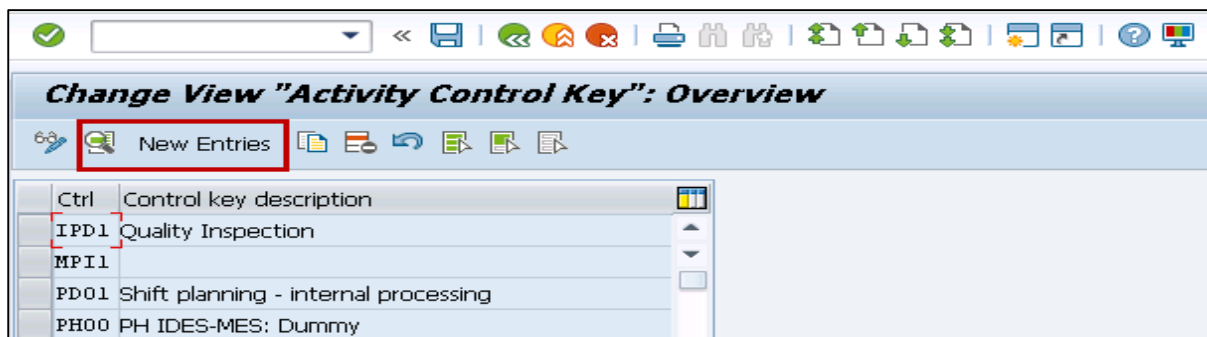
While defining the control key, you have to specify the indicators and keys for different functions in the control key. You can use SAP standard control keys PS01, PS02 and PS05 for networks.

To maintain control key, follow the steps given below-

Step 1: Use **T-code: OPSU** or navigate to SPRO -> IMG -> Project System -> Structures -> Operative structure -> Network -> Setting for network activities -> Define Control Key.



Step 2: In the next screen, click Activity Control screen -> New Entries.



Step 3: In the new window, maintain the following fields-

- **Ctrl:** four digit alphanumeric ID identifies control key
- **Description:** Enter the detailed text of control key

Step 4: Under the Indicator tab, select the following fields-

- **Indicator:** You can update the following option under Indicator field.
- **Scheduling:** You can select this option to perform the activity elements according to scheduling parameters.
- **Det. Capacity requirements:** To determine which activity elements have capacity requirement.
- **General Costs account:** To use control key by general costs.
- **Cost:** To determine cost with activities.
- Check the option, Print time ticket and enter value 2 to enter confirmation.

New Entries: Details of Added Entries

Control key: AD01 Network-Test

Indicators

<input checked="" type="checkbox"/> Scheduling	<input checked="" type="checkbox"/> Print confirm.
<input checked="" type="checkbox"/> Det. Cap. Req.	<input checked="" type="checkbox"/> Print
<input type="checkbox"/> Gen. costs act.	<input type="checkbox"/> Sched.ext.op.
<input checked="" type="checkbox"/> Cost	
<input checked="" type="checkbox"/> Print time tic.	
Confirmation: 2	Confirmation possible but not necessary
Ext. processing: <input type="checkbox"/>	Internally processed operation
<input type="checkbox"/> Service	

Step 5: Click the save button to save configured activity control details.

15. SAP PS – Access Control List

In SAP Project system, you use access control list to assign authorizations for specific Project system objects. The Access control list function should be activated in project profile or network profile.

Authorization can be assigned for the following PS objects-

- Project
- Work Breakdown structure
- Network
- Activity
- Activity Element

You have the following different authorization types available-

- Single User
- User group
- Organizational Group

In SAP PS system, you can assign different types of authorizations.

Authorization	Allowed activity
Read	Display PS object
Write	Display PS object Change PS object
Administration	Display PS object Change PS object Create PS object Delete PS object Create access control lists Edit access control lists Delete access control lists
No Authorization	No activity allowed

In SAP system, highest possible authorization always applies to a user. If a higher authorization applies for a user or PS object, the system overwrites the inherited authorization.

Example

Consider user A is assigned to user group 1 that has read authorization for a PS object and the user has change authorization for PS object. The user gets change authorization in this scenario.

Creating Access Control List

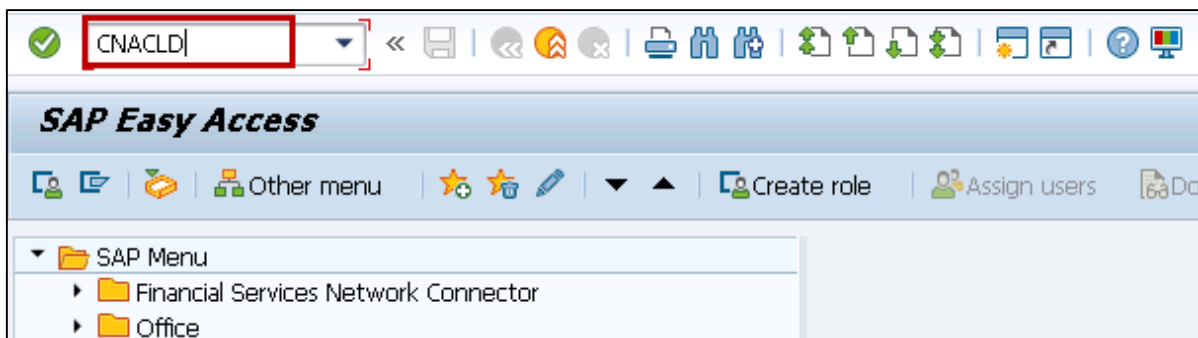
To create an access control list, navigate to the PS object for which you want to assign authorizations.

Step 1: Go to the ACL tab page. Select insert line button to enter the new data.

Step 2: Click Save to save the entry.

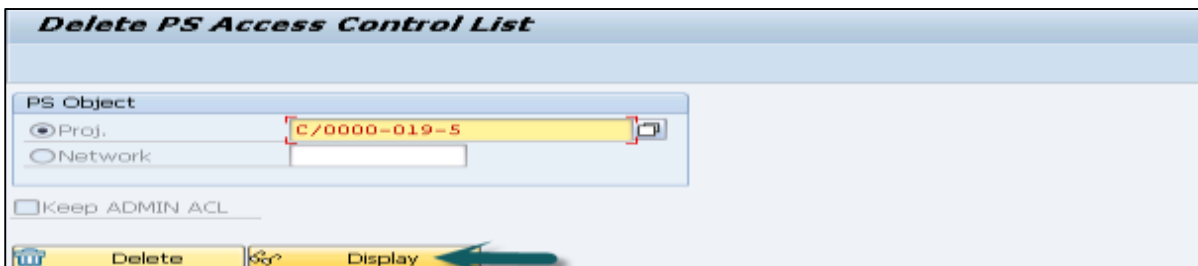
Deleting Access control list for a project or a network

Step 1: To delete access control list for a project, use **T-code: CNACL**

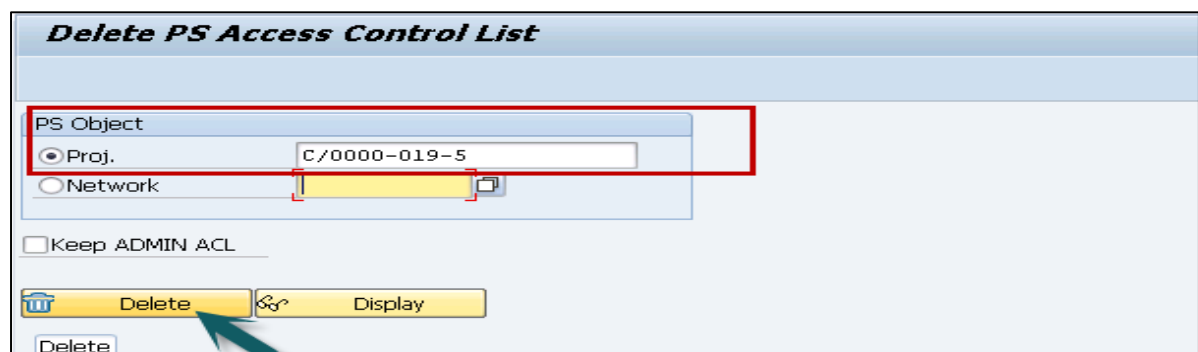


Step 2: In next screen, you have to select the project/network for which you want to delete the ACL.

Step 3: To display the access control lists, click the Display button.



Step 4: To delete the access control lists, click the Delete button.



16. SAP PS – Cost Component

In SAP PS, you can use the Cost component to plan, monitor, and control project cost for projects. This component is integrated with different components in SAP ERP system-

- Finance Accounting and Controlling
- Production Planning
- Material Management

Using cost function, you can perform fund management and budget allocation. In addition, you can perform cost planning using the cost function of SAP PS.

Cost planning

Cost planning means the costs that is expected to incur in connection with your project as it is executed. Cost planning is used for different goals as per the project stages:

- At the Initial Planning Stage, you define cost planning as the base for an initial cost estimate.
- At the Approval stage, you define it for the budget allocation.
- At the time of project execution, it is used to control cost variances and monitor costing.

In addition, you can perform automatic cost planning to integrate project costs with enterprise controlling.

SAP PS – Create Costing Variant

In SAP PS system, you use Costing variants to manage the criteria for the costing. Costing variants are used to define the pricing strategy in the system for costing and how overhead should be determined.

A Costing variant contains the following components-

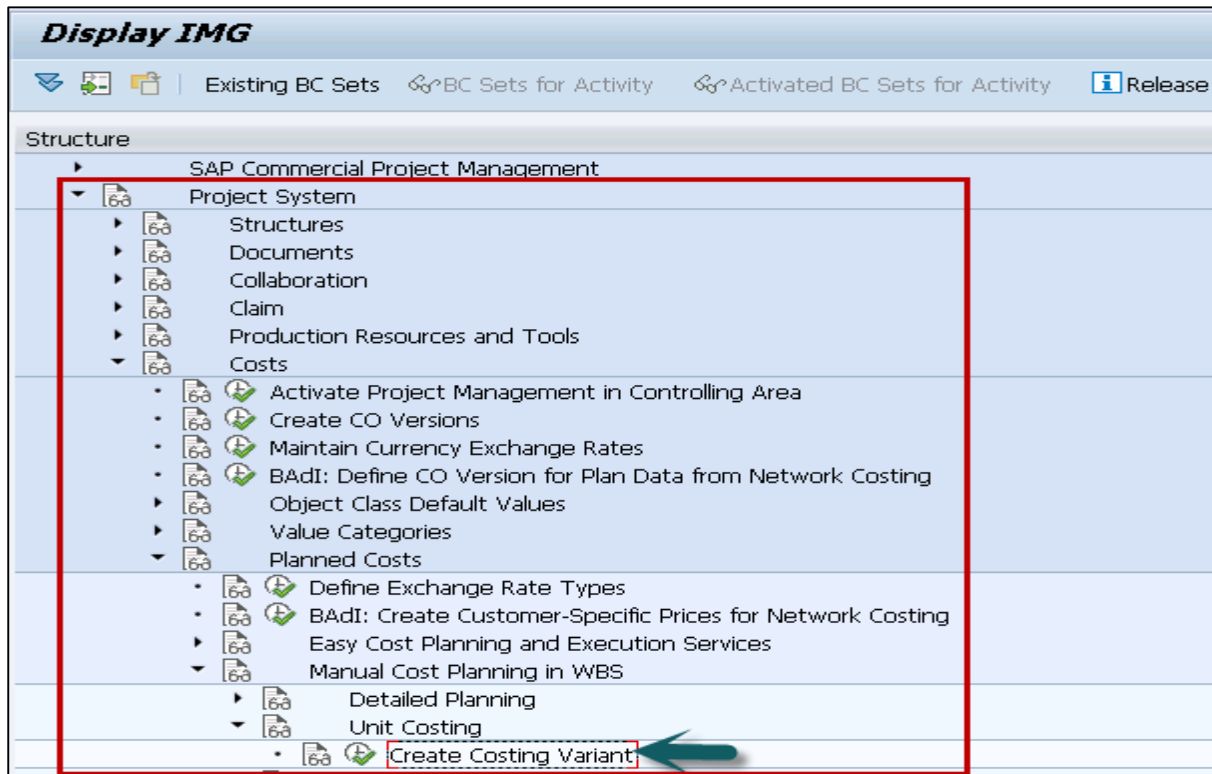
- **Costing type:** Costing type is used to define the object- like a network, or a project for which you have to create the costing.
- **Valuation variant:** In SAP system, you use valuation variant to maintain valuation bases for materials and activity types managed in the costing.

Example

You determine the price to be considered in accounting view in material master record.

Costing variants are used to maintain unit costing in the general costs activity. To create costing variant in SAP system, follow the steps given below-

Step 1: Navigate to SPRO -> IMG -> Project System -> Costs -> Planned Costs -> Manual cost planning in WBS -> Unit Costing -> Create Costing Variant or use **T-Code: OKKT**.



Step 2: To create new costing variants, click New Entries on costing variant screen.



Step 3: In the next screen, enter the following details-

- Costing Variant: Enter four-digit alphanumeric unique ID to identify costing variant in SAP.
- Control: Under control tab, enter appropriate options for costing variants.

New Entries: Details of Added Entries

Costing Variant: ADC1 Planning

Control Assignments Misc.

Costing Type Valuation Variant Date Control

Unit cost est. for proj.
Planned valuation -orders
Current cost est.- dates
Easy Cost Planning (PS)
Mod. std cost est. dates
Sales order costing
Simulation Curr. Dates
Std cost est. - month
Std cost est. - period
Std cost est. - subseq.FY
Std cost estimate - old

Step 4: Go to the **Misc** tab and enter the appropriate option for cost element for unit accounting.

New Entries: Details of Added Entries

Costing Variant: ADC1 Planning

Control Assignments Misc.

Cost Elements for Unit Costing: Allowed

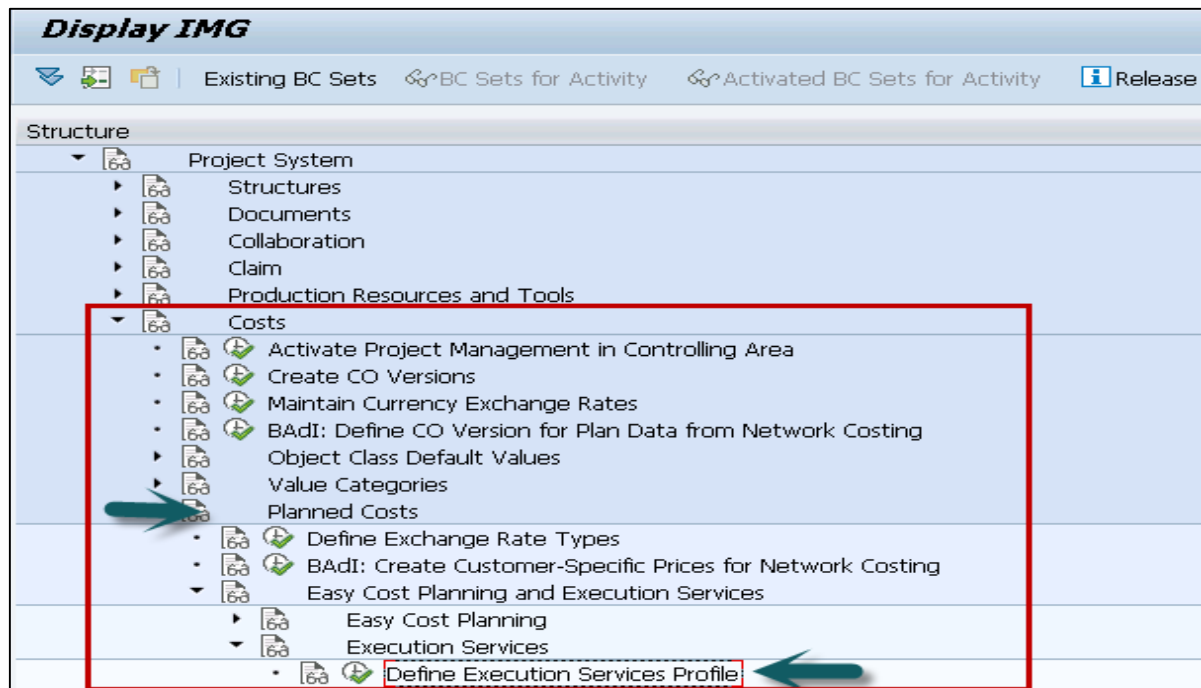
Click the save button to save the configured cost variant.

☒ Data was saved

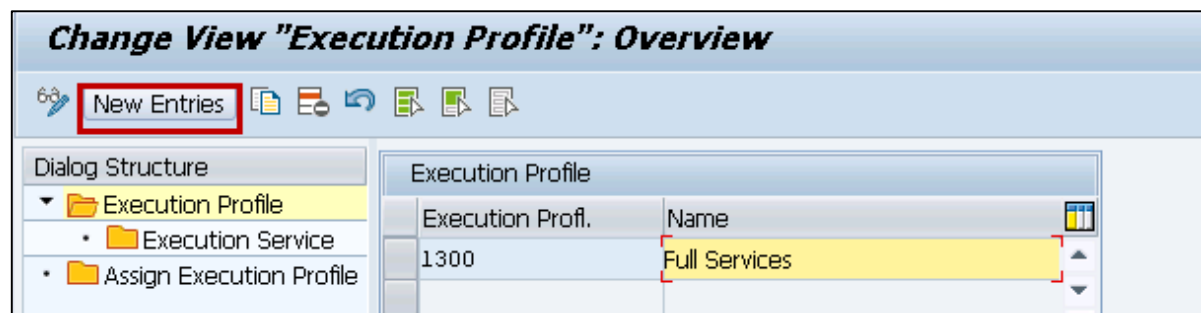
17. SAP PS – Execution Service Profile

In SAP PS system, you can define execution service profile. Follow the steps given below to navigate-

Step 1: Go to SPRO -> IMG -> Project System -> Costs -> Planned Costs -> Easy Cost Planning and Execution Services -> Execution Services -> Define Execution Service.



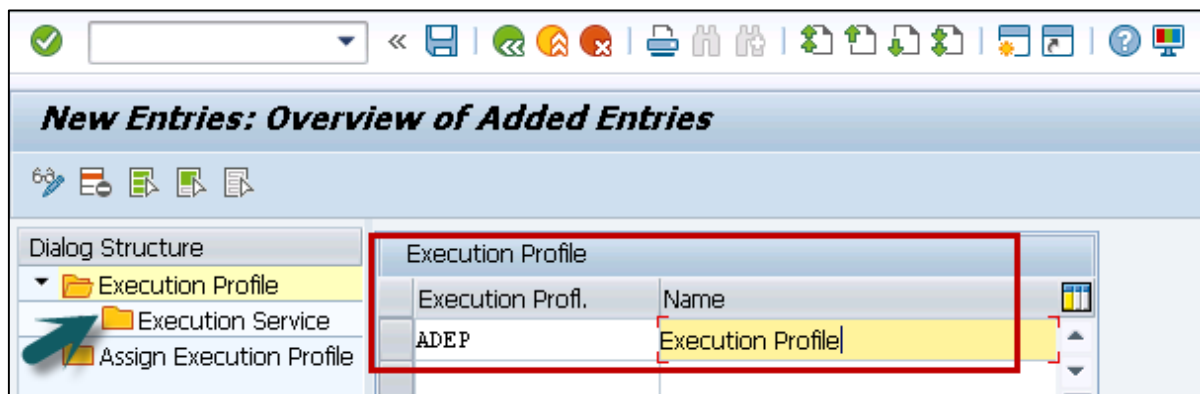
Step 2: In the next window, click New Entries in the Execution Profile overview.



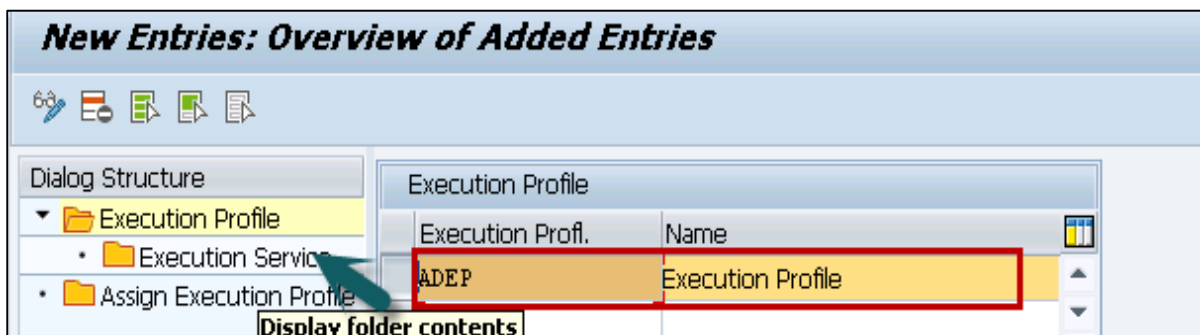
Step 3: In the new window, enter the following details-

- Execution Profile: Enter 4-digit alphanumeric code to identify execution profile in SAP system.
- Name: Text of execution profile.

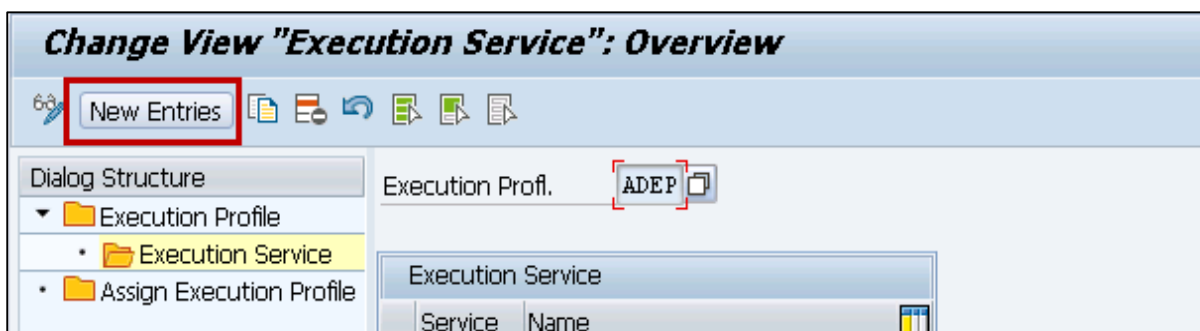
To save the data, click the save button at the top.



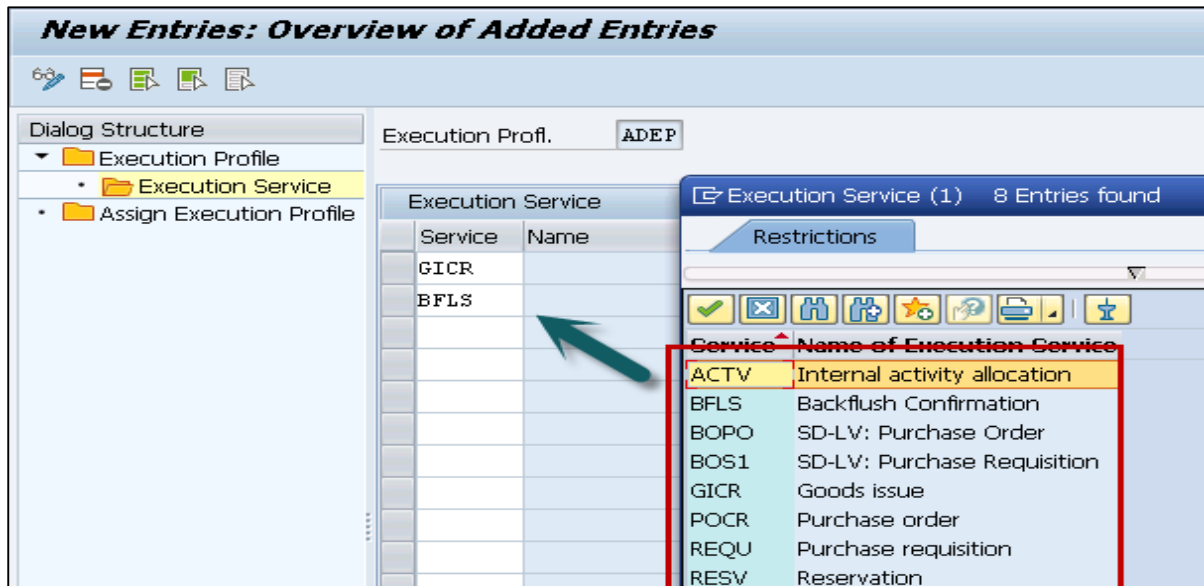
Step 4: Next go to **Execution Service** on the left pane. Select execution profile and double-click on Execution Service icon in the left pane.



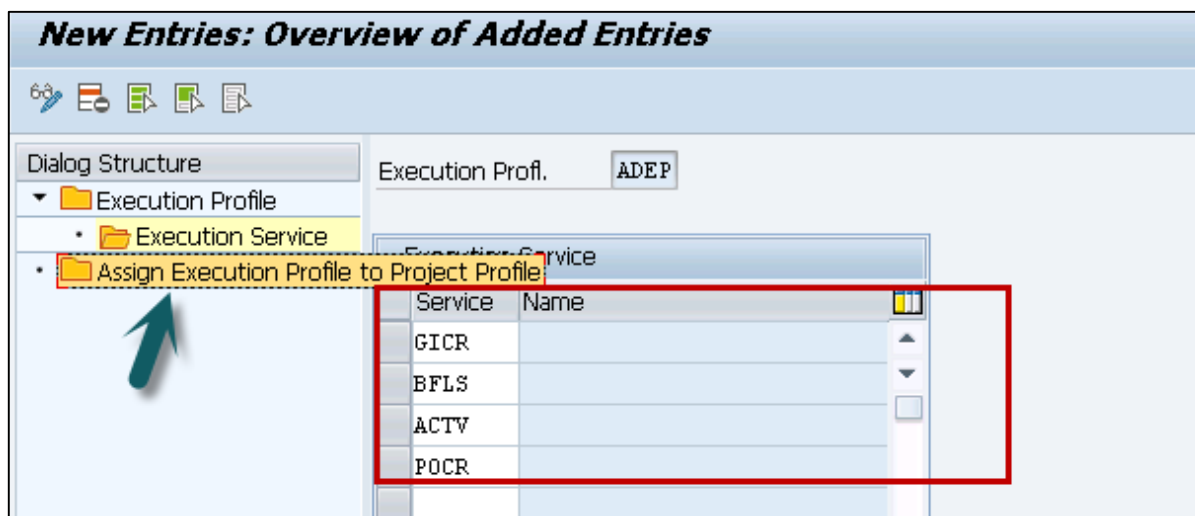
Step 5: On the Execution overview screen, click the New Entries button.



Step 6: In the next screen, enter the services from the drop-down list as per the business requirements. Press ENTER.



Step 7: The next step is to assign Execution profile to project option to update execution profile to project profile.



To save the Execution service profile, click the save button at the top.

18. SAP PS – Budget Management

Budget is defined as the approved cost for a project and it is different from the cost plan. The Budget is the approved cost from management for expected development of order cost for a given time period. Different budget types exist in a Project system.

Original Budget

In Project system, original budget is defined as the allocated cost assigned for a development order. You can update the budget using the budget update options.

Budget update is known as the unexpected events that occur. Current budget is calculated from the following factors-

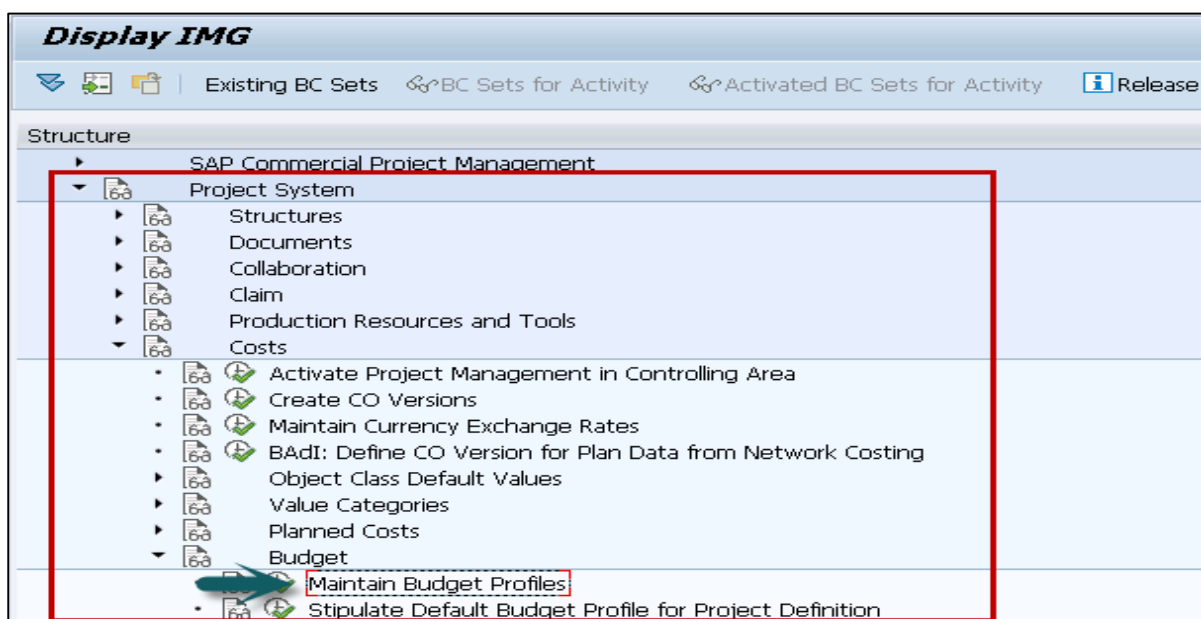
- Original Budget
- Supplements (added)
- Transfers (addition/subtraction)
- Returns (Subtraction)

SAP PS – Budget Profile

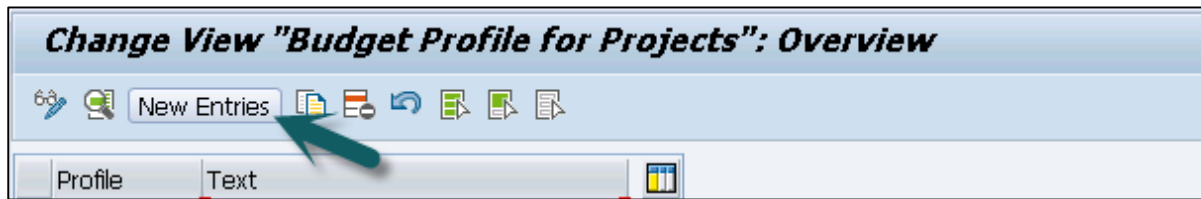
You can define the budget profile for projects in SAP system.

To create a budget profile-

Step 1: Use T-code: OPS9 or navigate to SPRO -> IMG -> Project System -> Cost -> Budget -> Maintain budget profiles in SAP



Step 2: A new screen Budget Profile for Projects overview will appear. Click New Entries.



Step 3: In the new window, enter the following details-

- **Profile:** Enter the unique ID that identify the budget profile
- **Text:** Enter the text description
- **Time Frame:** Enter the number of years for budget. It has three options: Past, Future and Start
- **Total Values:** This is used to select budget as over value
- **Annual Values:** Maintaining budget for yearly basis
- **Investment Management:** Program type budget for an investment program
- Other fields like Availability Control, Currency translation and budgeting currency.

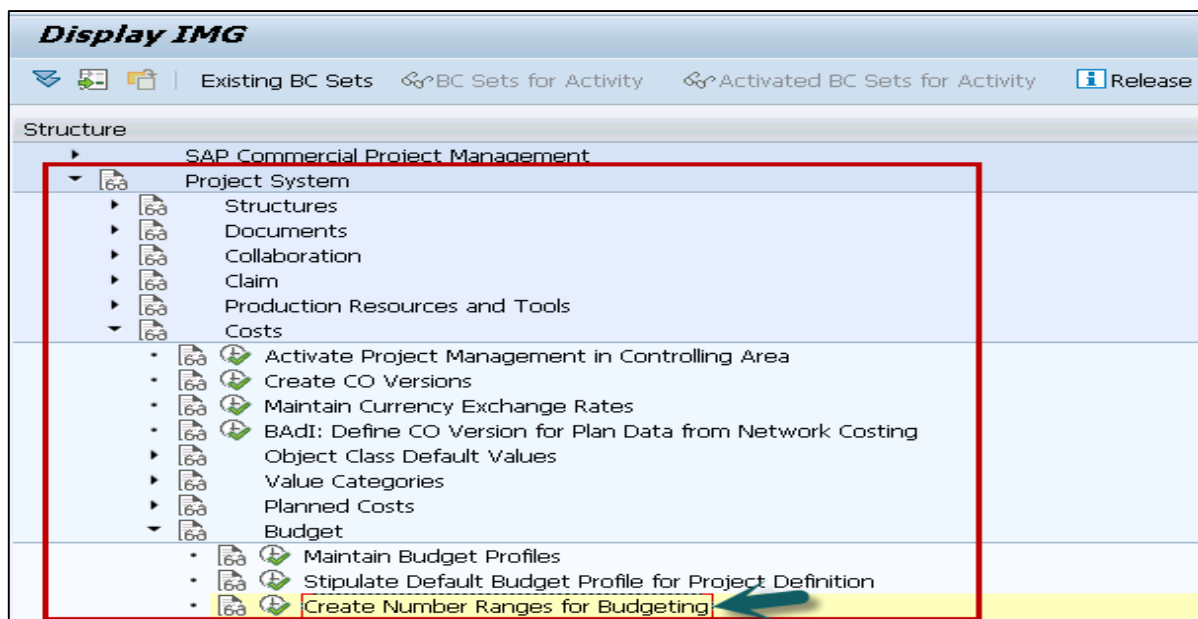
Once you enter all the fields, click the save button at the top.

19. SAP PS – Number Ranges for Budgeting

Number range is defined for all budget documents that the system creates when there is a change in budget. You define your own number range for all budget documents created for allocation, supplement, transfer, release, etc.

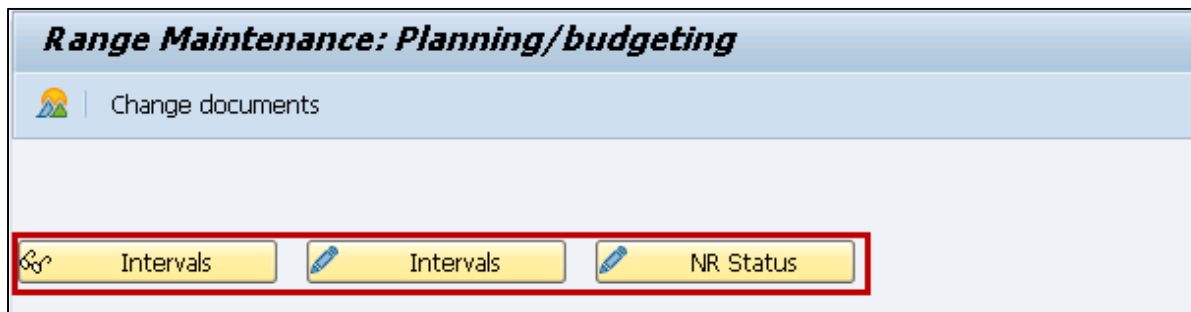
You can maintain the number range for budgeting in SAP system using T-code: OK11

Step 1: You can navigate to SPRO -> IMG -> Project System -> Cost -> Budget -> Create number ranges for budgeting.



Step 2: On number range budgeting screen, you have the following options-

- Intervals: to display all budgeting number range that has been created earlier
- Status: To modify the number range
- Intervals: To maintain new number range for budgeting as per business requirement



Step 3: Click the Intervals button and click insert interval button.



Step 4: In the next window, enter the following details-

- No: 2 digit unique ID for number ranges
- From Number: Starting number of interval
- To Number: Last number of intervals
- Current number: Default number will be 0
- Ext: To assign the number manually

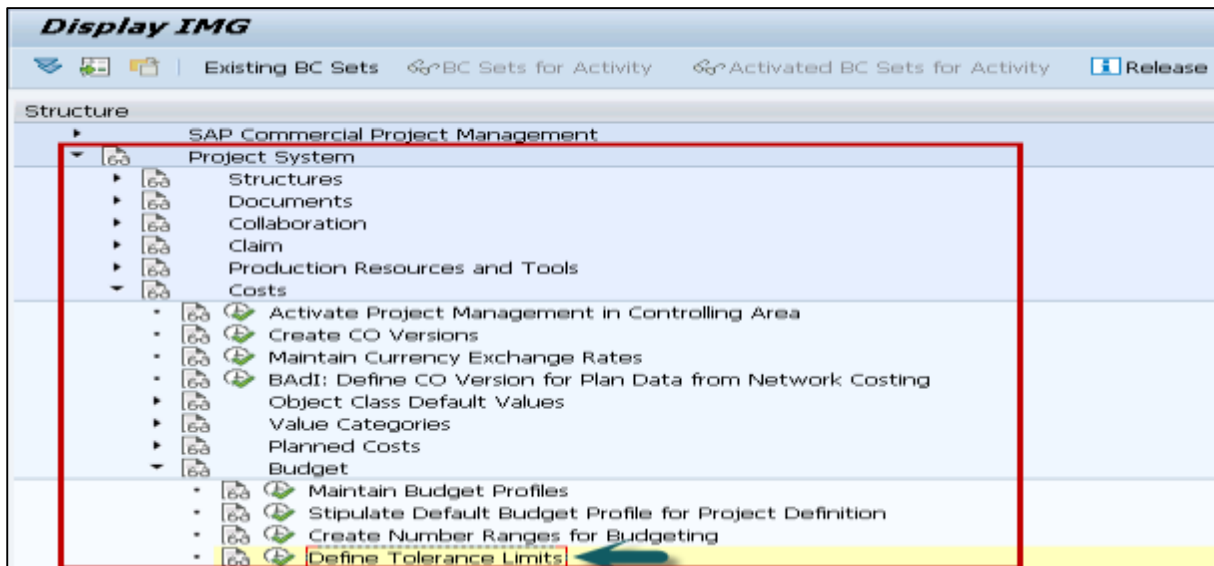
N..	From No.	To Number	NR Status	Ext
12	0000000001	0999999999		<input checked="" type="checkbox"/>

Once you create the number range, click the Save button.

Defining Tolerance Limit

You can define the tolerance limit for a budget in SAP system.

Step 1: SPRO -> IMG -> Project System -> Cost -> Budget -> Define Tolerance Limits



Click New Entries to define Tolerance limits.

Step 2: In the next window, enter the following details. Once you define the tolerance limit, click the save button at the top.

New Entries: Overview of Added Entries

Icons:     

COAr	Prof.	Text	Tr.Grp	Act.	Usage	Abs.variance

Buttons: 

20. SAP PS – Revenues and Earnings

In SAP custom projects, you need to compare costs and revenues to get details on project results.

The following points should be considered-

- You copy plan values from the sales order to the relevant WBS element.
- In SAP system, project values are copied to Controlling automatically.
- For period end closing, you copy the results analysis to Profitability Analysis.

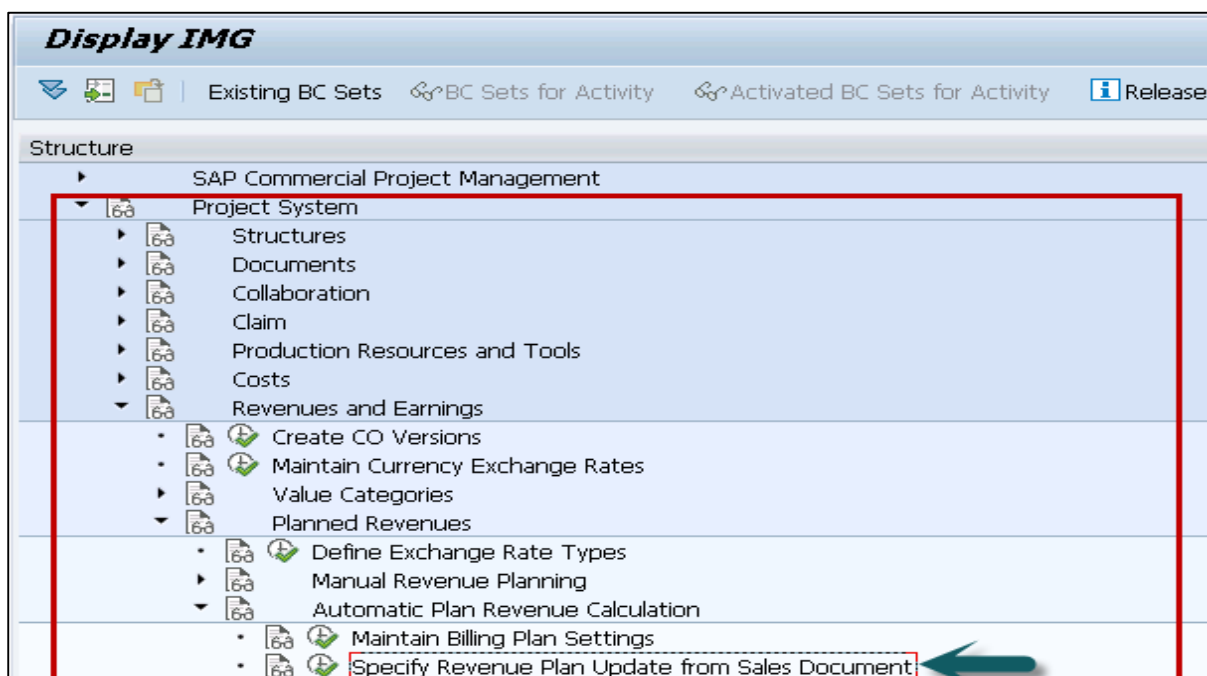
Revenue Planning is one of the key aspects of Revenue and earnings. Revenue planning defines the revenue you expect when a project is executed.

In SAP Project system, you can use the following planning methods-

- **Manual Revenue Planning:** You can perform manual revenue planning based on Work breakdown structure or by revenue element.
- **Automatic update Revenue plan:** You can perform automatic update of revenue planning based on Work breakdown structure or in sales order.

To update revenue plan data from sales order-

Step 1: Navigate to Project System -> Revenues and Earnings -> Planned Revenues -> Automatic Plan Revenue Calculation -> Specify Revenue Plan Update from Sales Document.



You record the data using the following-

- Value and revenue element from the condition.
- Expected billing date from the billing plan or schedule line.

21. SAP PS – Dates

The **Dates** component in Project System is used to plan and check the **dates in project**. The use of date scheduling is to determine phases in a project and duration of the phases, critical paths, and events in project schedule.

In Work breakdown structures WBS and Network, you enter the dates and these dates can be changed during full project lifecycle.

Maintaining Dates in Projects

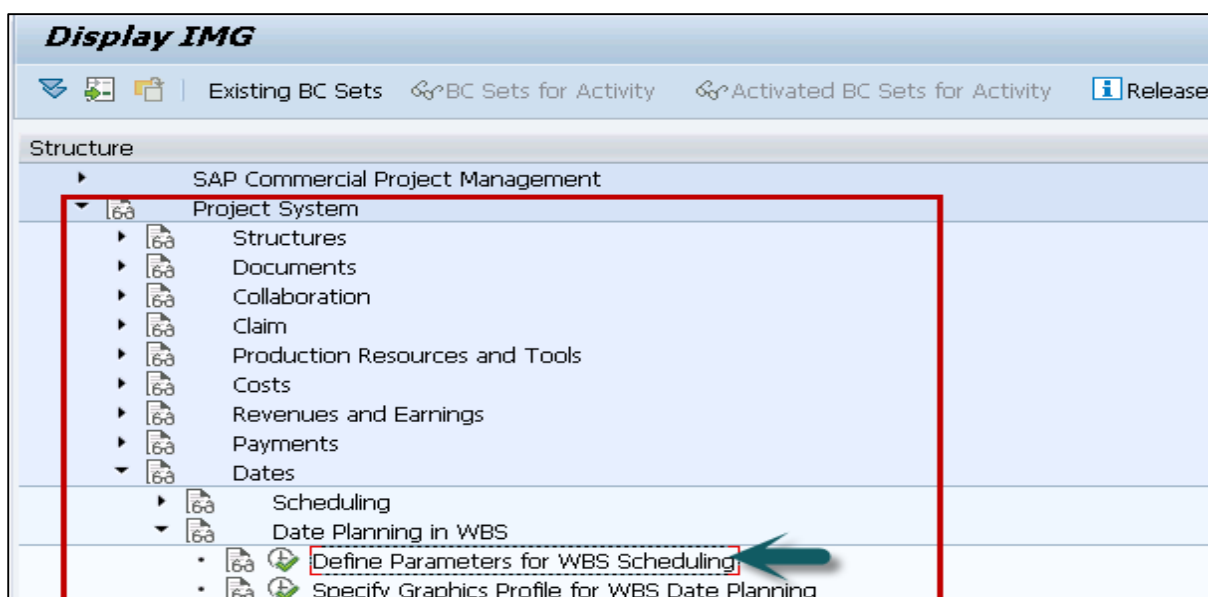
When you define a project in system, you enter the start and the finish dates of the projects. When you create Work Breakdown structure, you start planning dates for WBS. The dates are calculated for full part of part of project for activities using the **scheduling** function.

22. SAP PS – WBS Scheduling Parameters

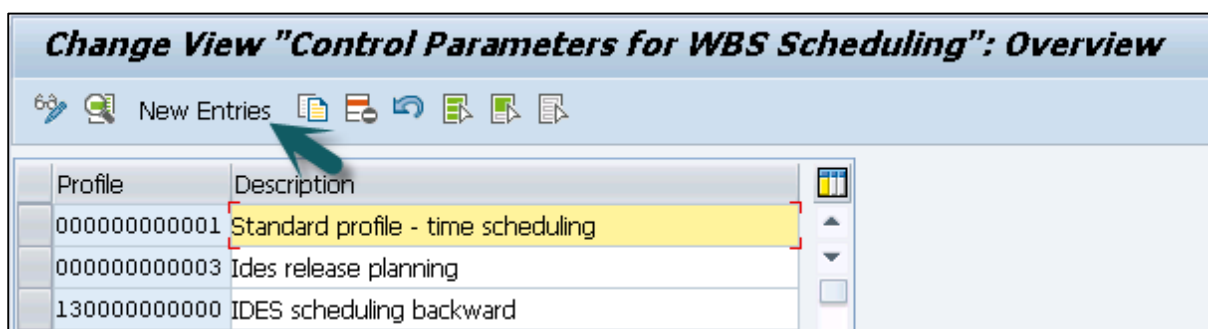
In SAP Project system, you can schedule a project or part of the project with all the activities that are assigned to project. You can use WBS element basic dates as basic dates to schedule the activities.

When a network contains few activities that are not assigned to same WBS, they are treated as external networks in system in project scheduling.

Step 1: To define parameters for WBS scheduling, you can use **T-code: OPTQ** or you can navigate to SPRO -> IMG -> Project System -> Dates -> Data Planning in WBS -> Define Parameter for WBS Scheduling



Step 2: In the next screen, click New Entries.



Step 3: In the next window, you have to enter the following field-

- Scheduling Type: To define type of scheduling.

Possible options are as shown in the screenshot given below.

Scheduling	
Scheduling type	<div>Backwards</div>
Start in past	Backwards in time
Schedul. method	Current date
<input type="checkbox"/> Adjust bsc date	Forwards
<input type="checkbox"/> Automatic log	Forwards with time entry
<input type="checkbox"/> Shift order	Only capacity requirements

Step 4: In the new screenshot, enter the following details as-

- Start in Past: Enter number of past days when scheduling starts in past.
- Scheduling Method: Select the scheduling method.
- Reduction: To enter reduction lead time and reduction type and
- Other fields as per business requirement.

New Entries: Details of Added Entries		
WBS scheduling prof.	AL01	WBS Schl
Scheduling		
Scheduling type	Forwards	
Start in past		
Schedul. method	WBS determines dates	
<input type="checkbox"/> Adjust bsc date	<input type="checkbox"/> Autom.schedul.	
<input type="checkbox"/> Automatic log	<input type="checkbox"/> Latest staging	
<input type="checkbox"/> Shift order		
Reduction		
Max.redn. level		
Reduction type		

Step 5: When you enter all the details, next is to save the configuration.

<input checked="" type="checkbox"/> Data was saved
--

23. SAP PS – Material

This component is used to plan and manage material requirement in project and to manage the material flow in the project. Material requirement planning in project comes from Material management and Production Planning and Control.

Procurement of Material using MRP

MRP run or planning run is an engine, which is used to fill the demand and supply gap. Issues & Receipts are called MRP elements. Issues include PIRs, Dependent Requirements, Order Reservations, Sales Orders, Issuing Stock Transfer Orders, etc. Receipts include Production Orders, Purchase Requisitions, Purchase Orders, Open Production Orders, Receiving Stock Transfer Order, Schedule lines, etc.

MRP Parameters

MRP parameters are required to run material requirement planning to meet Planned Independent Requirement (PIR) and to use the Routing information.

Different MRP parameters can be used.

Processing Key

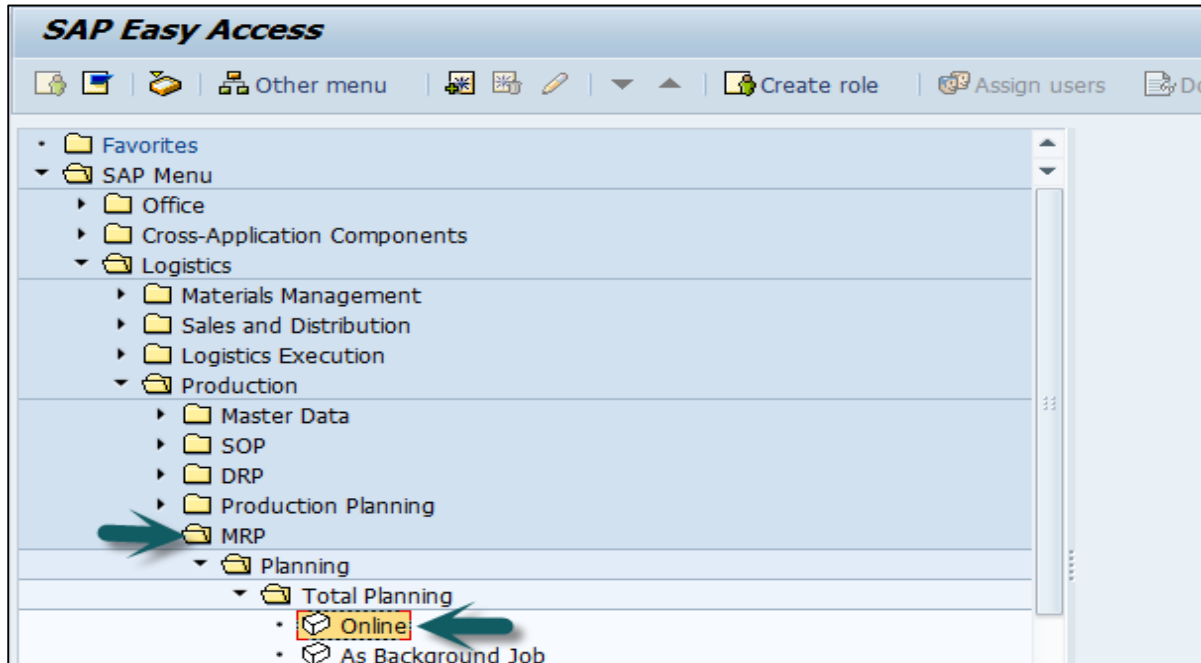
- **NetChange:** In this run system consider those material which has undergone some changes from the previous MRP run.
- **NetChange in planning horizon:** This run considers the requirement in predefined planning horizon and not like net change, which check the future requirements. In this run, the system considers only those material, which have undergone some changes from their last MRP run.
- **Regenerative Planning:** In this run, the system considers all the material irrespective of changes. It is time consuming and not common in Production planning.

Scheduling

- **Basic Scheduling:** It only calculates the basic dates for orders in MRP run and in house production time for material master in use.
- **Lead time Scheduling:** In this MRP, production dates are defined by lead-time scheduling for planned orders.

Running Material Requirement Planning for all Products

Step 1: Use T-code: MD01 or go to Logistics -> Production -> MRP -> Planning -> Total Planning -> Online



Step 2: To run MRP with Net Change in planning horizon, enter the following details-

- Enter the manufacturing Plant for which you want to take MRP run.
- Enter Processing key as NETCH.
- Enter Input 2 in Create Purchase req. shows purchase requisition in opening period.
- Enter 2 for schedule lines shows.
- Enter 1 in MRP List and system will create MRP list similar to stock /requirement list for later analysis of previous MRP run.
- Enter Planning mode 3 as we will delete and recreate all planning data for all materials.
- Enter Scheduling indicator 2 shows MRP will do lead time scheduling and consider routing times to calculate planned order dates.

Step 3: Click the tick mark at the top as shown in the screen shot given below-

MRP Run

Scope of planning
Plant

MRP control parameters

Processing key	NETCH	Net Change in Total Horizon
Create purchase req.	2	Purchase requisitions in opening period
Schedule lines	2	Schedule lines
Create MRP list	1	MRP list
Planning mode	3	Adapt planning data (normal mode)
Scheduling	2	Determination of Basic Dates for Planned
Planning date	19.03.2008	

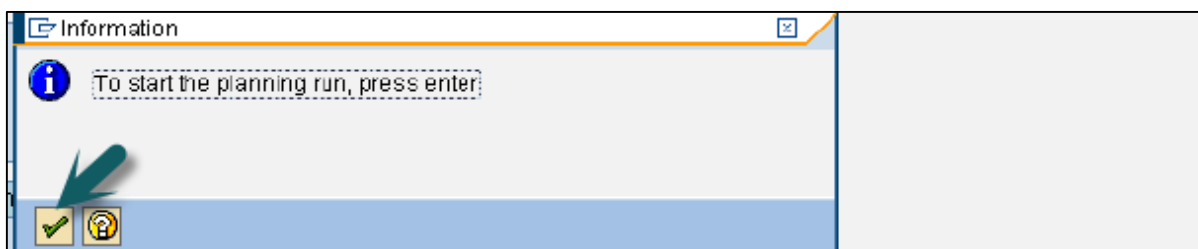
Process control parameters

☐ Parallel processing
☐ Display material list

User exit: select materials for planning

User exit key
User exit parameter

Step 4: If you are sure on MRP run, click the tick mark.



System will take some time to run the MRP and do the calculations. You can see material requirement and what parameters have been considered during the run.

MRP Run

Statistics

Materials planned	22
Materials with new exceptions	10
Materials with terminated MRP list	

Parameters

Scope of Planning	TSMU
Plant	NEUPL
Processing Key	2
Create Purchase Requisition	2
Sched. Agreement Schedule Line	1
Create MRP List	1
Planning Mode	1
Scheduling	2
Planning Date	19.03.2008

Database statistics

Planned orders changed	4
------------------------	---

Run-time statistics

Start of planning run	21:17:26
End of planning run	21:17:27
Planning run time	00:00:01
CPU time: update	00:00:01

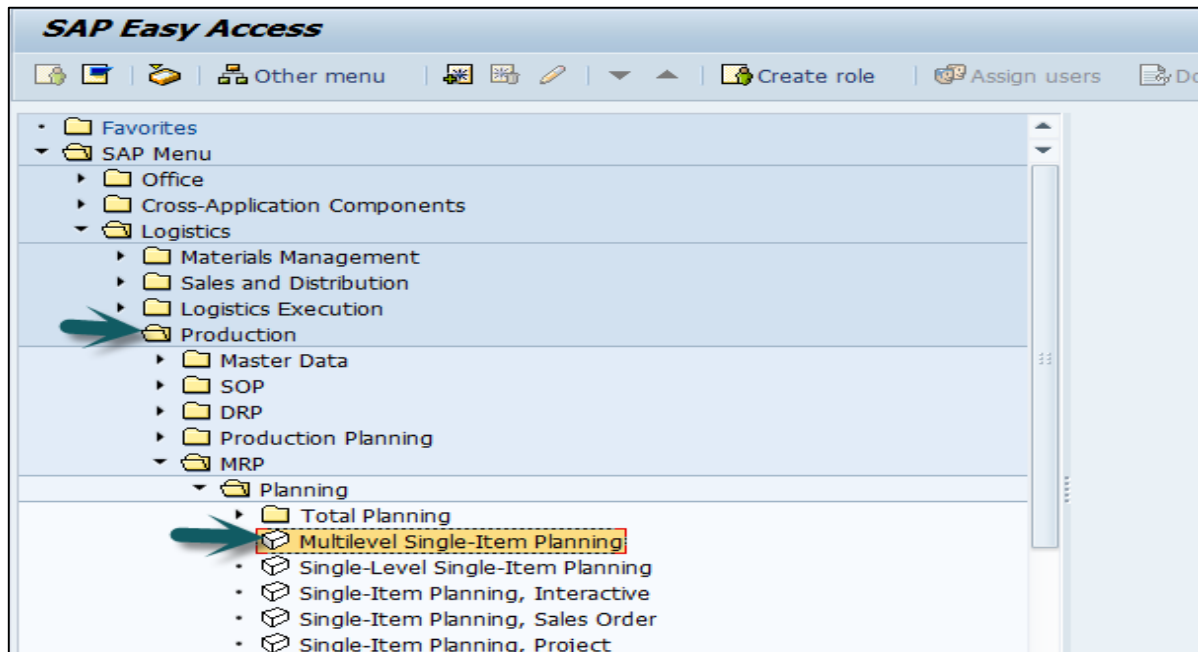
Ranking List of Materials with Highest CPU Times (in ms)

Material	Plant
----------	-------

MRP run for a single material

To perform MRP run for a single material-

Step 1: Use **T-Code: MD02** or go to Logistics -> Production -> MRP -> Planning -> Single item Multilevel.



This is used to plan individual item planning. Enter material number and Plant.

- Processing key, NETCH (Net Change for total horizon)
- Create purchase req. 2
- Delivery schedules 2
- Create MRP list 1
- Planning mode 3
- Scheduling 2

Click the Tick mark.

Statistics	
Materials planned	22
Materials with New Exceptions	18
Materials with Termination MRP List	
Parameters	
Plnt	INA2
Processing Key	NETCH
Create Purchase Requisition	1
SA Schedule Line	3
Create MRP List	1
Planning Mode	1
Scheduling	2

24. SAP PS – Versions

In SAP system, version is defined as state of a project at certain point in time. Project versions are used in Earned value analysis and for project evaluation.

Functions

A Project version can be used for the following purpose-

- To perform the statistical evaluation.
- To document the state of project.
- To perform comparison and analysis of project progress.
- To perform milestone trend analysis to analyze the dates in a project and comparing them with planned data in the project.

Types of Versions

There are different project version-types available in Project System. They are-

- **Project Versions:** To compare project status at specific time period.
- **Plan Versions:** This is used to store different cost plans for a project.
- **Selection Versions:** This is used to perform background processing and to save the project data matching certain selection criteria.

In the table given below, you can see the different features in a project that the above versions support in a SAP system.

Function	Plan version	Project version	Selection version	Simulation versions
Add to version	Yes	Yes	No	Yes
Compare versions	Yes	Yes	No	Yes
Limit selection	Yes	Yes	No	
Contains summarized cost data	Yes	Yes	Yes	Yes

25. SAP PS – Project Information System

In SAP system, a Project Information System is used to monitor and control the project master data. It allows you to analyze each project, part of projects, or multiple projects.

Analyzing includes creating different overview reports and advance level reports with various degrees of detail. These reports meet the metrics required as part of project management data.

Key functions

The key functions are-

- The data from Project Information System can be transferred to Business warehouse in SAP system.
- A BW system in SAP gathers information from the various areas in your business and changes them to usable reports for Project Managers.
- Using Project Information system, you can run standard reports in system or can create own reports to meet specific tasks and information.
- These reports can be displayed directly and available in Project Information system or you can run them as background jobs.
- Analyzing report includes considering various fields and functions of project.

Example

You can send the reports via email, put them on shared drive or take a print out of the reports to distribute the hard copy.

You can use the report templates to provide different degree of details, summarize data and historical data with key values. Historical data includes information from the following processes:

- Controlling
- Project Progress
- Project Resource
- Material Requirement and planning

Types of Reports

You can use following type of reports using Project Information System.

Technical Reports

Project Information System in SAP PS allows you to manage and control your project technically.

This allows you to select all the objects or particular objects in the system- WBS, Networks, PS texts and material etc. to check their present status and their use in project network hierarchy. This allows you to see the status of project based on different objects.

Using Project Information System, you can monitor the data related to current project as well as data in archive to see historical data and lesson learnt.

You can enter the values in filters to create structure list which can be used to view graphics or to move data to different project management tools.

Commercial Reports

You can view various commercial reports related to project progress in SAP PS system.

- Cost Element Report to view cost and revenues to summarize line items.
- To monitor full value flow in the project, you can use Cost/Revenue and Payment hierarchy reports. Payment hierarchy reports contains data related to drill down.
- To display actual, plan, commitment, and budget values you can use Line Item Reports.

In the following table, you can see few cost element and hierarchical reports under Project Information System and their respective information.

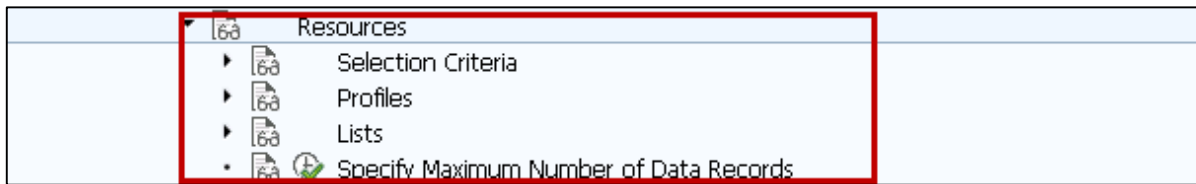
Information	Report Type
Debits and credits by object	Cost Elements
Credit from settlement	Cost Elements
Statistical key figures	Cost Elements
Detailed actual, plan, and commitment values by object	Cost Elements
Budgeting and cost planning	Hierarchy Report
Incoming Orders	Hierarchy Report
Open Orders	Hierarchy Report

Resource Reports

Project Information System provides you various reports on resource utilization and capacity management.

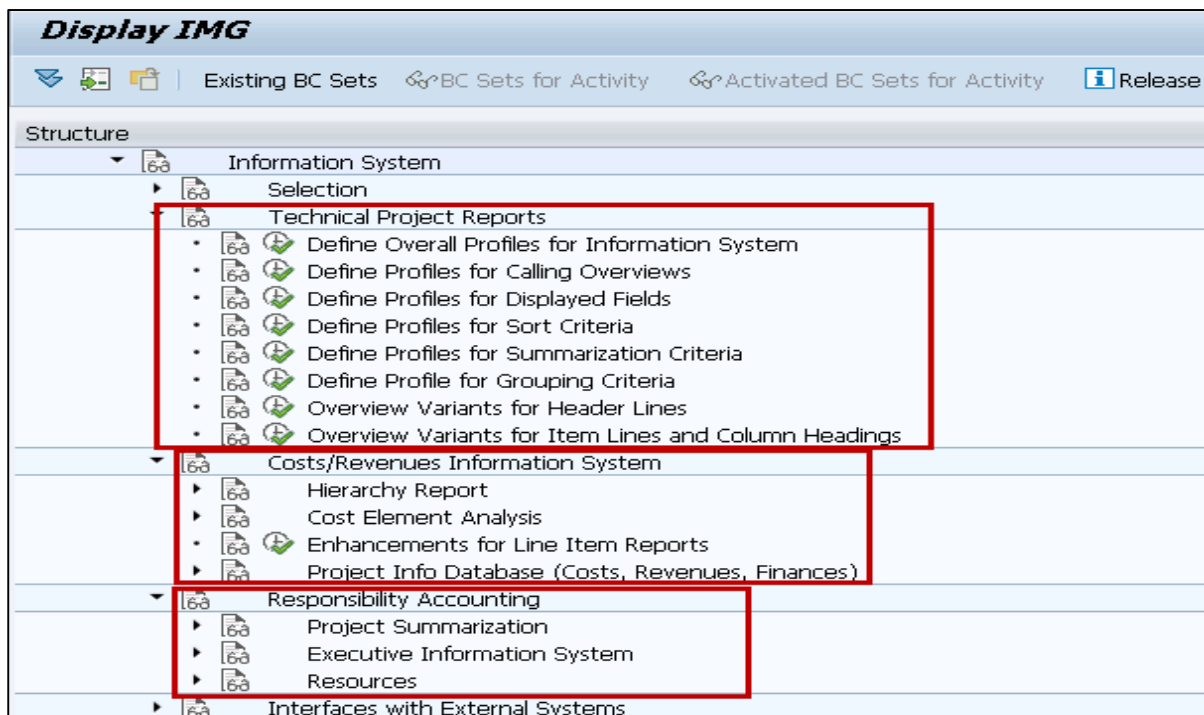
- Capacity Requirements
- Capacity Load with Variable View
- Workforce Planning
- Capacity Load with Work Center View

To view these reports, SPRO -> IMG -> Project System -> Information System -> Resources



To access all the reports, you can scroll to Project System in SAP Easy access menu. Under Project System you have Information System.

To view these reports, go to SPRO -> IMG -> Project System -> Information System



You can also access various inventory and material management reports in Project Information System.

- Purchase orders
- Outline agreements
- Missing parts
- Pegged requirements
- Stock/Requirements list

26. SAP PS – Consultant Responsibilities

A SAP PS Consultant must have all required Project System functional and Configuration knowledge in SAP ECC system.

The Consultant should have relevant experience in the following areas:

- SAP PS Implementation Experience: End-to-end Implementation experience in different domains- Banking, Manufacture, Civil or any other Industry.
- Good configuration knowledge of PS structures: WBS, Network, Milestones, Cost Planning, Budgeting, Material Requirement planning, Project quotation, Time sheets, Goods issues, and other project management activities in SAP PS.
- Must have completed at least two end-to-end implementations.
- Experience on complete PS module cycle from project creation to settlement.
- Integration knowledge with CO, FI and MM, SD and PP.
- Must be proficient in handling Issues/support functions.
- Conducts user requirements gathering, blueprinting and documentation designs. Follow best practices and SAP functionality in system.