

GOBI 	Project: GOBI JSC SAP Project Author: Barsbold.B	Date: 01-07-2025 Version: V1.4
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USER MANUAL-1

Plant Maintenance */Master data/*

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MODIFICATION RECORD

Reversion	Author	Date	Approver
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V1.2	Barsbold.B	21-01-25	
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APPROVAL

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1 MASTER DATA

1.1 Characteristic

1.1.1 Characteristic

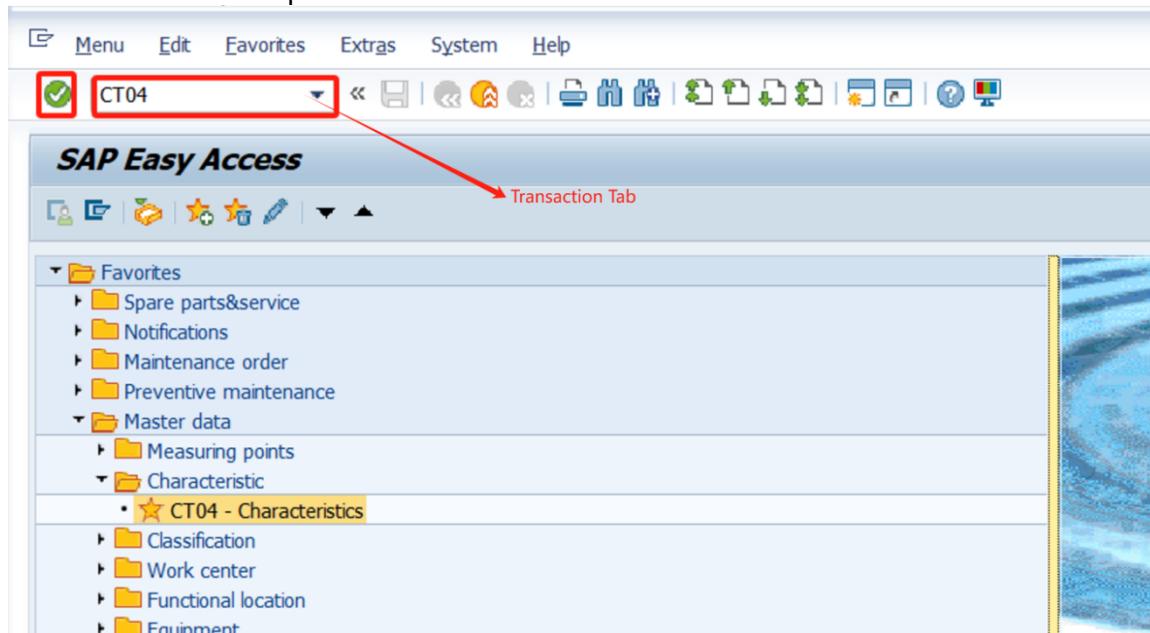
The characteristics of the equipment are the technical parameters of the equipment.

The characteristic values of the equipment are the specific values of the technical parameters.

Features and uses: Used to describe the characteristics of a certain piece of equipment (or a type of equipment (such as: length, flow, weight, pressure, etc.)).

1.1.2 Create character format type characteristic

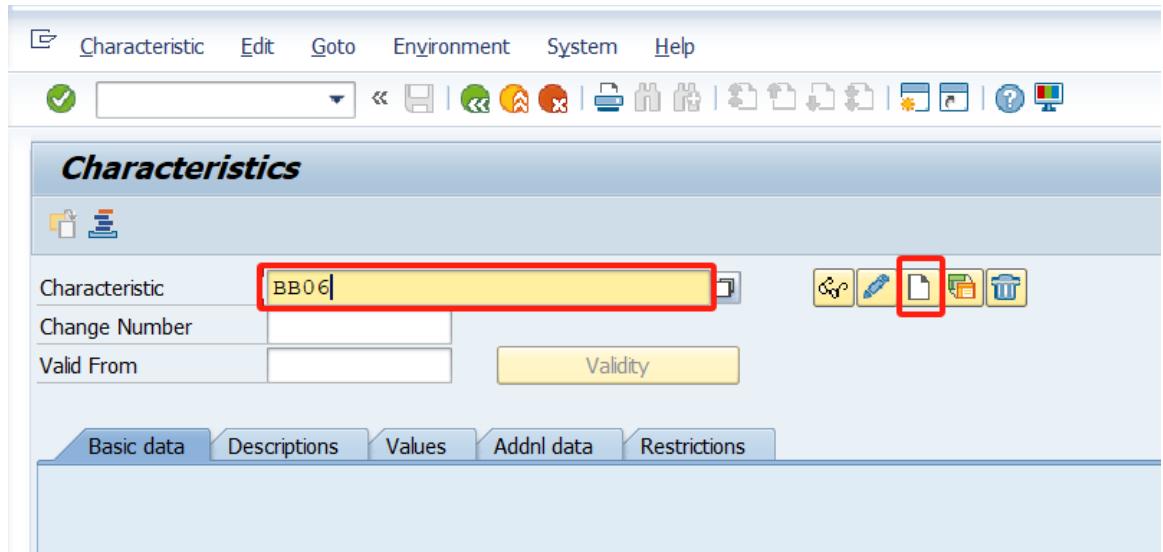
1. Enter the **CT04** T-CODE in the Transaction Tab.
2. Click button or press Enter.



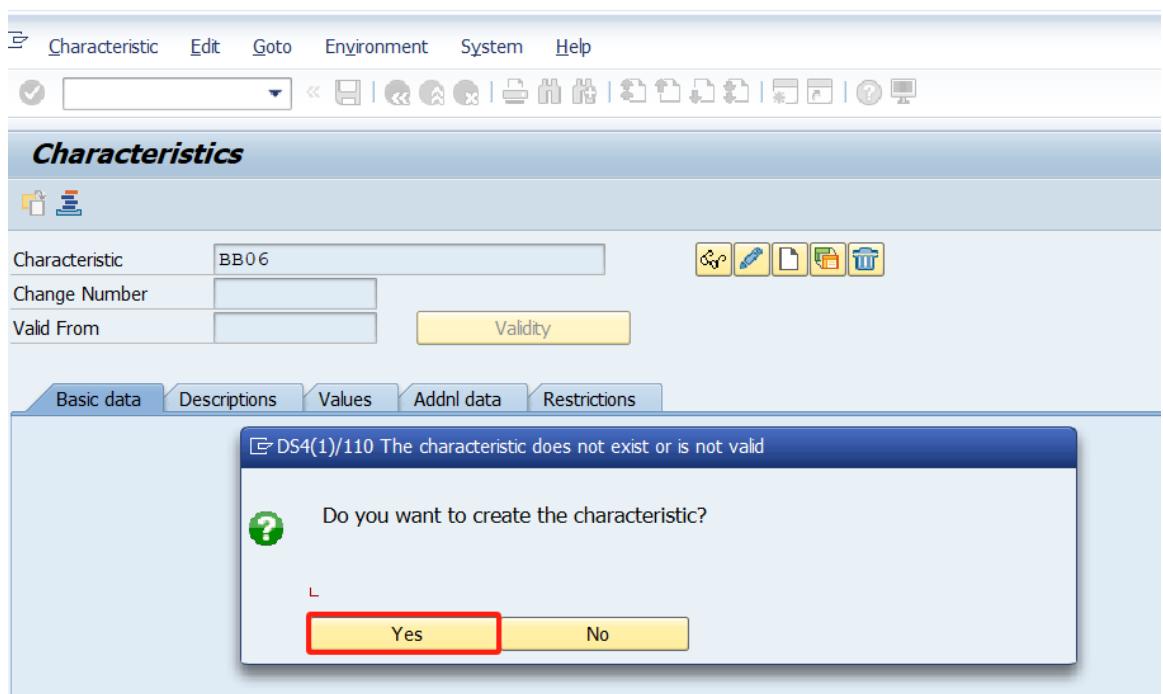
3. Enter the number of the newly created characteristic. *Example: BB06*

Number	Name
BB01	Output
BB02	Working width
BB03	Power
BB04	Voltage
BB05	Voltage/Sub/
BB06	Air pressure
BB07	Steam pressure
BB08	Gas flow
BB09	Old name /Mongolian/
BB10	spare1
BB11	spare2
BB12	spare3
BB13	spare4
BB14	spare5
BB15	spare6

4. Click  button or press Enter.



5. After a window asking whether to create a new characteristic appears, choose "Yes".



6. Input characteristic description. *Example: Air pressure*
7. Select Data Type. /CHAR Character format/
8. Input Number of Chars. *Example: 15*

Create Characteristic

The screenshot shows the 'Create Characteristic' dialog box. In the 'Basic data' tab, the 'Characteristic' field contains 'BB06'. Below it, 'Change Number' and 'Valid From' fields are present. On the right, there are several icons for file operations. The 'Descriptions' tab is selected. In the 'Descriptions' section, the 'Description' field is set to 'Air pressure', which is highlighted with a red box. The 'Format' section shows 'Data Type' as 'CHAR Character Format' and 'Number of Chars' as '15', also both highlighted with red boxes. The 'Value Assignment' section includes radio buttons for 'Single Value' (selected) and 'Multiple Values', and checkboxes for 'Case Sensitive', 'Restrictable', and 'Entry Required'.

9. If characteristic value is mandatory, tick "Entry Required".

Create Characteristic

The screenshot shows the 'Create Characteristic' dialog box. The setup is identical to the previous screenshot, with 'Characteristic' set to 'BB06' and 'Description' set to 'Air pressure'. In the 'Format' section, 'Data Type' is 'CHAR Character Format' and 'Number of Chars' is '15'. In the 'Value Assignment' section, the 'Entry Required' checkbox is checked and highlighted with a red box. The 'Descriptions' tab is selected.

10. If you need to set optional options for characteristic values, Tick the "Restrictable" to enter options in the characteristic.

Create Characteristic

Characteristic: BB06

Change Number:

Valid From: 2023. 12. 14 Validity

Buttons:

Tabs: Basic data, Descriptions, Values, Addnl data, Restrictions

Basic data

Description: Air pressure

Char. Group:

Status: 1 Released

Auth.Group:

Format

Data Type: CHAR Character Format

Number of Chars: 15

Case Sensitive:

Template:

Value Assignment

Single Value

Multiple Values

Restrictable

Entry Required

11. Go to the "Values" window and enter the values of the Characteristic's option.
 12. If Additional Values is empty, no other values can be entered in the Characteristic options, and if ticked, other values can be entered.
 13. Then press button and save.

Create Characteristic

Characteristic: BB06

Change Number:

Valid From: 13.12.2023 Validity

Buttons:

Tabs: Basic data, Descriptions, **Values**, Addnl data, Restrictions

Additional Values

Allowed Values

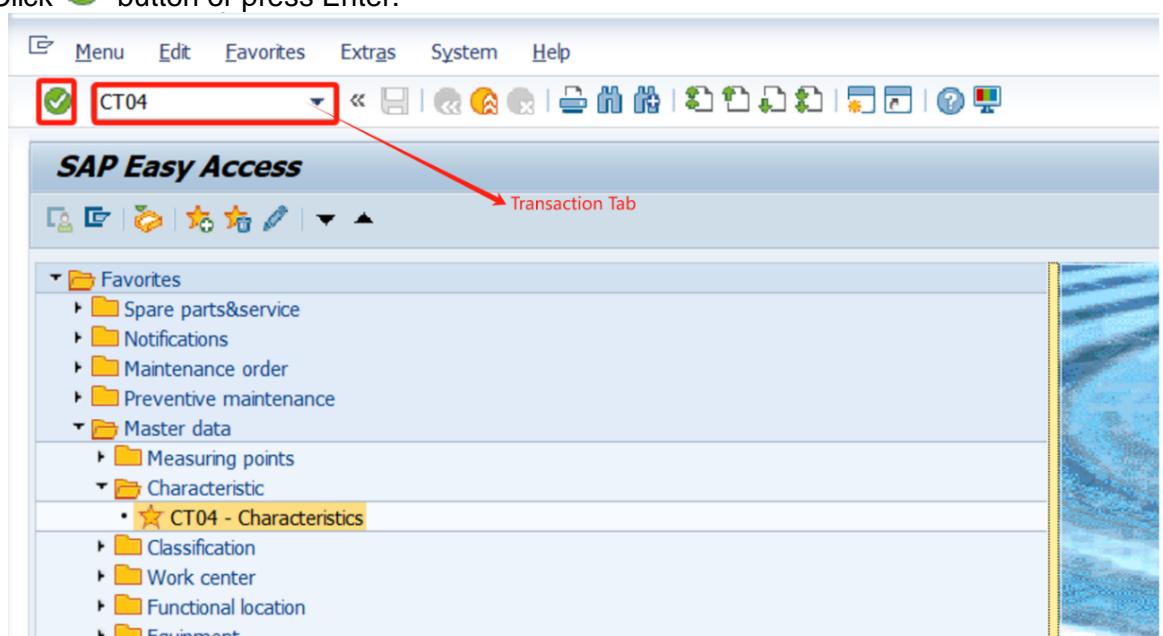
Char. Value	Description	D	O	S
1 bar		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 bar		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 bar		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Pa		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 psi		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. A message that the characteristic has been saved will appear in the lower left corner of the screen.

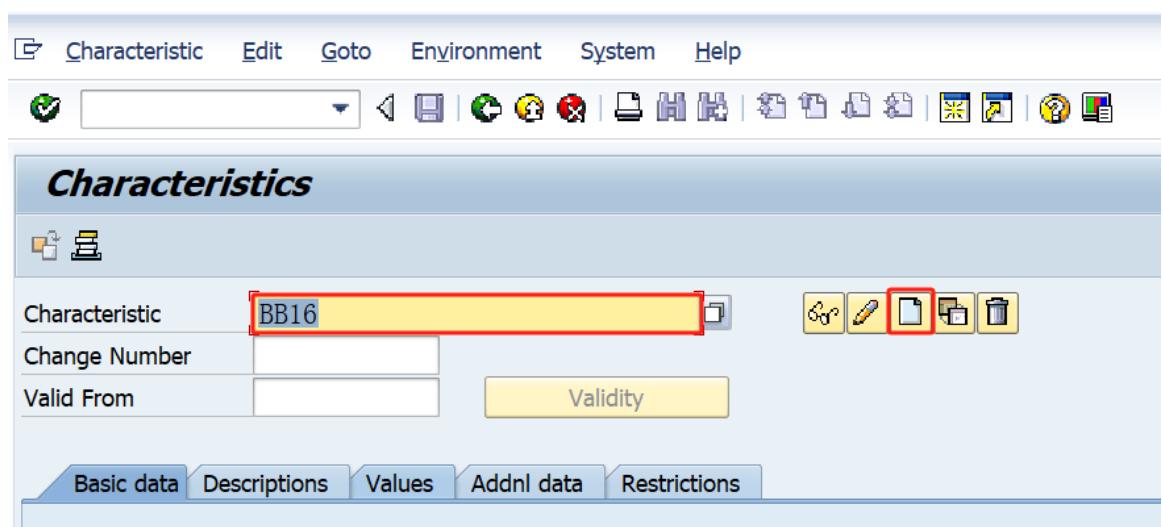


1.1.3 Create numeric format type characteristic

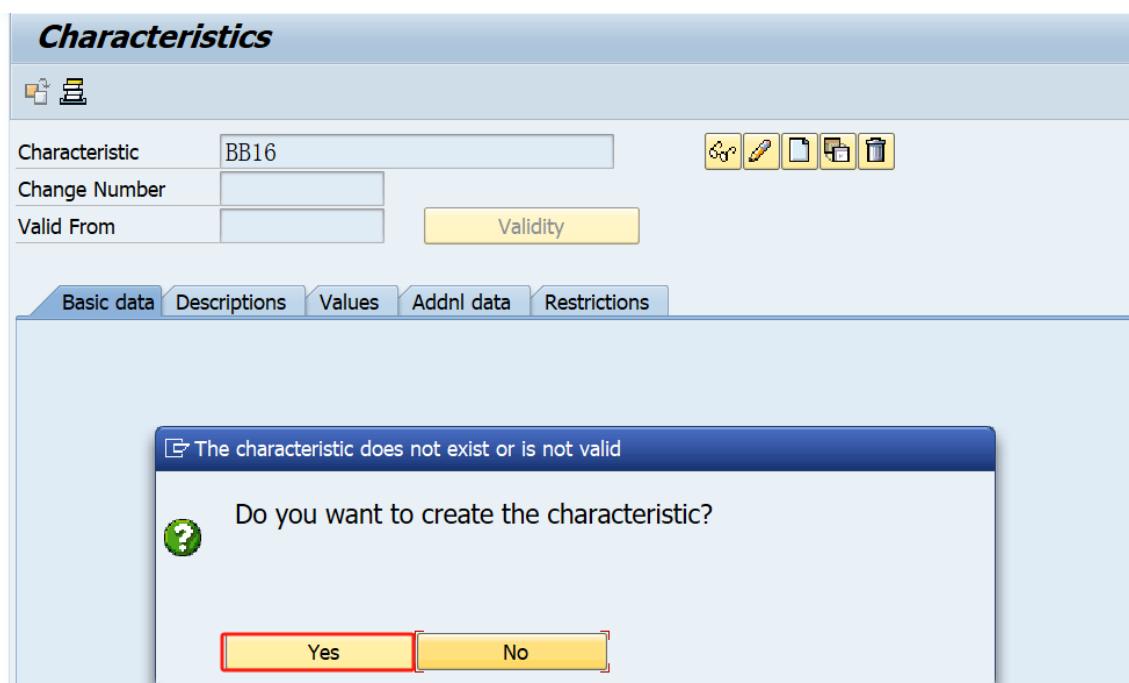
1. Enter the **CT04** T-CODE in the Transaction Tab.
2. Click button or press Enter.



3. Enter the number of the newly created characteristic. *Example: BB16*
4. Click button or press Enter.



5. After a window asking whether to create a new characteristic appears, choose "Yes".



6. Input characteristic description. *Example: Temperature*
7. Select Data Type. /Be sure to select NUM Numeric format/
8. Input Number of Chars. *Example: 15*
9. Input Decimal Places. *Example: 1*
10. Input Unit of Measure. *Example: °C*

The screenshot shows the SAP Create Characteristic screen with the following details:

- Characteristic:** BB16
- Change Number:** [Empty]
- Valid From:** 2023. 12. 14
- Buttons:** Copy, Edit, Delete, New, Save
- Tab Bar:** Basic data (selected), Descriptions, Values, Addnl data, Restrictions

Basic data:

Description	Temperature
Char. Group	[Dropdown]
Status	1 Released
Auth. Group	[Empty]

Format:

Data Type	NUM Numeric Format
Number of Chars	15
Decimal Places	1
Unit of Measure	°C
Template	-_,_,_,_,_,_,_-
Exp. display	0 No exponent

Value assignment:

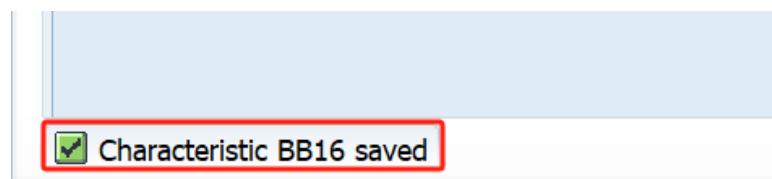
- Single-value
- Multiple Values
- Interval vals allowed
- Negative Vals Allowed
- Restrictable
- Entry Required

11. If the characteristic value is likely to be negative, tick “Negative Vals Allowed”

12. If characteristic value is mandatory, tick “Entry Required”.

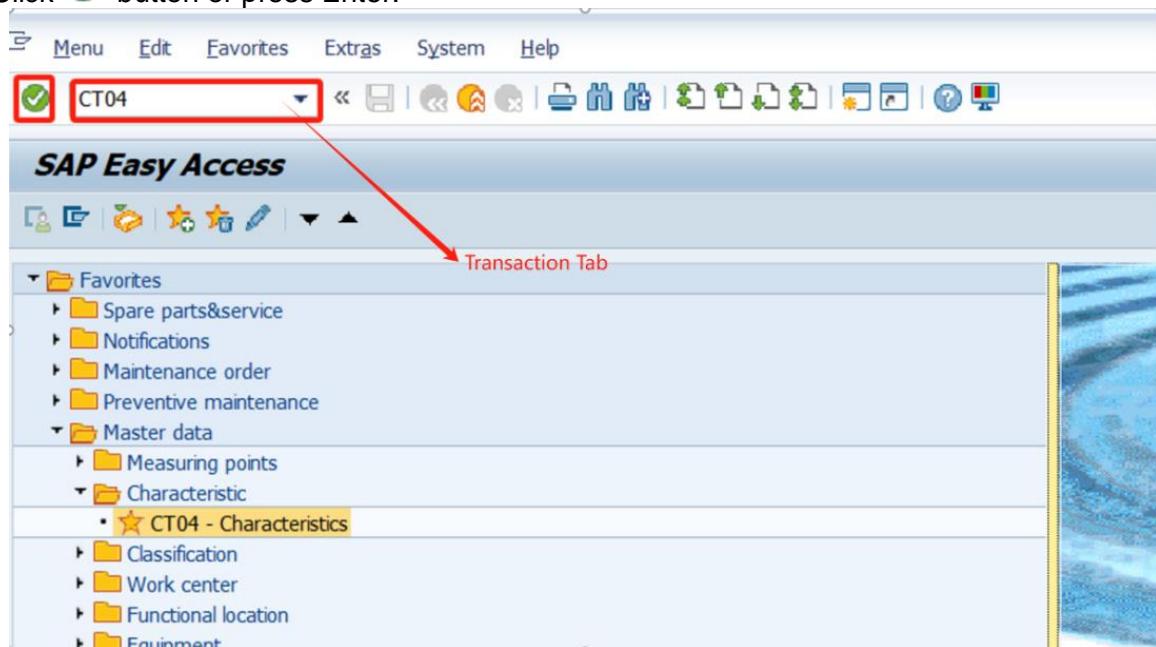
13. Then press button and save.

14. A message that the characteristic has been saved will appear in the lower left corner of the screen.



1.1.4 Change characteristic

1. Enter the **CT04** T-CODE in the Transaction Tab.
2. Click button or press Enter.



3. Click button or press Enter.

The screenshot shows the 'Characteristics' maintenance screen. At the top, there is a title bar with the word 'Characteristics'. Below the title bar is a toolbar with icons for creating, deleting, and modifying data. The main form has several fields: 'Characteristic' (with a red box around it), 'Change Number', 'Valid From', and a 'Validity' button. Below the form is a tab bar with five tabs: 'Basic data' (selected), 'Descriptions', 'Values', 'Addnl data', and 'Restrictions'. The 'Basic data' tab is currently active, showing a large empty area for data entry.

4. Enter the number **BB*** in the "Characteristic name" field and tick or press Enter.
/BB-Shows only the characteristics of the equipment. /*
 5. Select and double click the characteristic to change.

Characteristics

Char. Name	Description	Valid From	Group	Format
BB01	Output	00.00.0000	CHAR	
BB02	Power	00.00.0000	NUM	
BB03	Voltage1	00.00.0000	NUM	
BB04	Voltage /sub/	00.00.0000	NUM	
BB05	water flow	00.00.0000	NUM	
BB06	Air pressure	00.00.0000	CHAR	
BB08	Temperature	00.00.0000	NUM	
BB09	Humidity	00.00.0000	NUM	

6. Check whether the number of the characteristic selected to change is correct and click button

Characteristics

Characteristic	BB03	Valid From	Validity
Change Number			
Valid From			

7. Change the characteristic information and click  button and save.

SAP GUI Application - Change Characteristic

Characteristic: BB03
Change Number:
Valid From: 13.12.2023

Basic data Descriptions Values Addnl data Restrictions

Basic data (Red Box)

Description: Voltage1	Char. Group: <input type="button" value="..."/>
Status: 1 Released	Auth. Group: <input type="button" value="..."/>
Format	
Data Type: NUM Numeric Format	Value assignment
Number of Chars: 10	<input checked="" type="radio"/> Single-value
Decimal Places: <input type="button" value="..."/>	<input type="radio"/> Multiple Values
Unit of Measure: V	<input type="checkbox"/> Interval vals allowed
Template: <input type="text"/>	<input type="checkbox"/> Negative Vals Allowed
Exp. display: 0 No exponent	<input type="checkbox"/> Restrictable
<input checked="" type="checkbox"/> Entry Required	

DS4(1)/110 Change Characteristic

Characteristic: BB03
Change Number:
Valid From: 13.12.2023

Basic data Descriptions Values Addnl data Restrictions

Additional Values Unit of Measure: V Other Value Check

Allowed Values (Red Box)

Char. Value	D	O
110 V	<input type="checkbox"/>	<input type="checkbox"/>
220 V	<input type="checkbox"/>	<input type="checkbox"/>
380 V	<input type="checkbox"/>	<input type="checkbox"/>
12 V	<input type="checkbox"/>	<input type="checkbox"/>
24 V	<input type="checkbox"/>	<input type="checkbox"/>
40 V	<input type="checkbox"/>	<input type="checkbox"/>
400 V	<input type="checkbox"/>	<input type="checkbox"/>
5 V	<input type="checkbox"/>	<input type="checkbox"/>

Entry 1 of 8

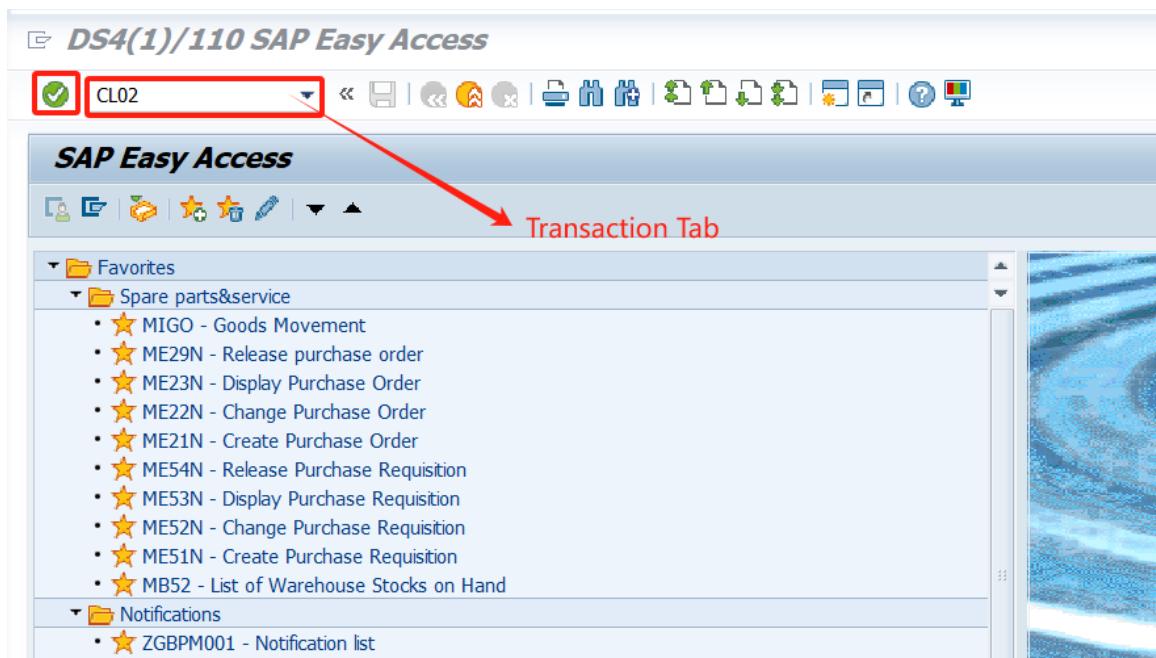
1.2 Classification

1.2.1 Classification

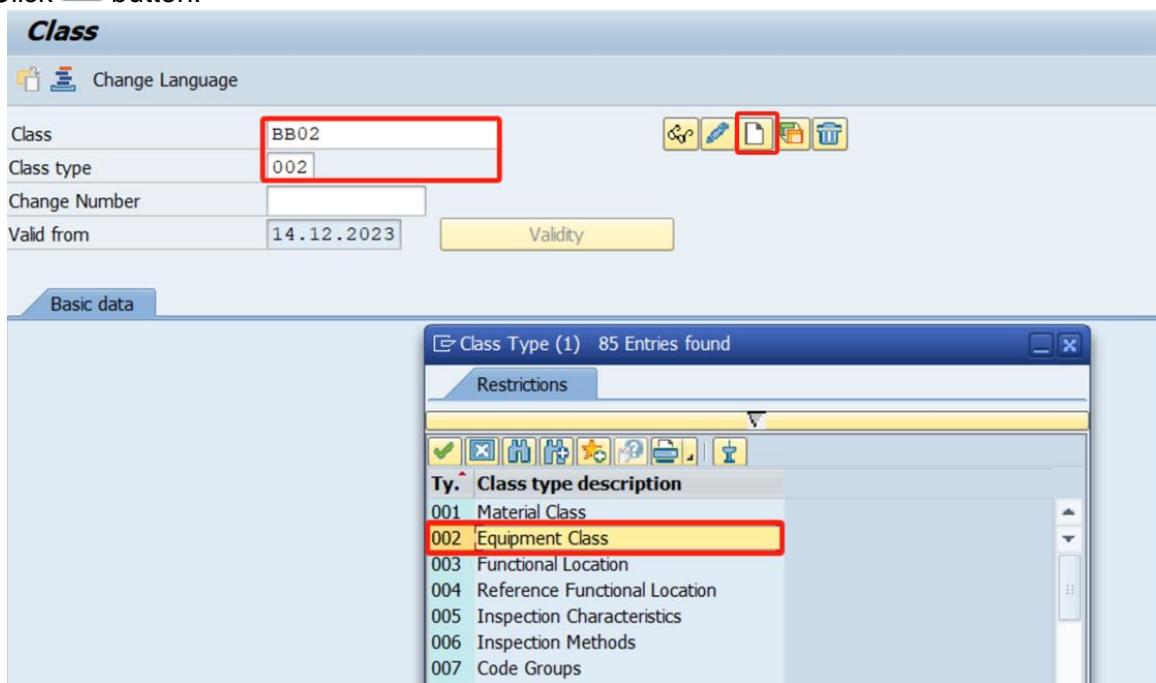
A group of similar objects described by means of characteristics that they have in common.

1.2.2 Create class

1. Enter the **CL02** T-CODE in the Transaction Tab.
2. Click button or press Enter.



3. In addition to entering the number of the newly created Class, go to the Class type option and select Equipment Class.
4. Click button.



5. Input the description of the Class.

The screenshot shows the 'Create Class' dialog with the following details:

- Class:** BB02
- Class type:** 002 Equipment Class
- Change Number:** (empty)
- Valid from:** 14.12.2023
- Basic data tab:** Selected. Description: Test class.
- Status:** 1 Released
- Class group:** (empty)
- Organizational area:** (empty)
- Local class:** (checkbox) checked
- Valid to:** 31.12.9999
- Same classification:**
 - Do not check (radio button selected)
 - Warning message
 - Check with error
- Authorizations:**
 - Class maintenance
 - Classification
 - Find object

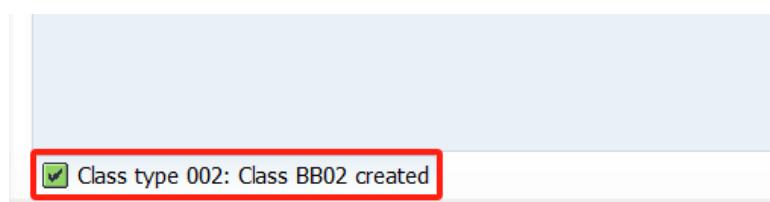
6. Select classes then press Enter and click button.

The screenshot shows the 'Create Class' dialog with the following details:

- Class:** BB02
- Class type:** 002 Equipment Class
- Change Number:** (empty)
- Valid from:** 14.12.2023
- Basic data tab:** Selected. Description: Test class.
- Characteristics table:**

Char.	Description	Data...	N...	D...	Unit	R..	Org. Areas	Std ...	O...	I...	Origin	P...	S...	D...
BB01	Input	CHAR	15	0		<input checked="" type="checkbox"/>								
BB02	Power	NUM	10	2	KW	<input type="checkbox"/>								
BB03	Voltage1	NUM	10	0	V	<input checked="" type="checkbox"/>								
BB05	water flow	NUM	15	0		<input type="checkbox"/>								
- Save button:** highlighted with a red box.
- Delete button:** highlighted with a red box and a red arrow pointing to it.

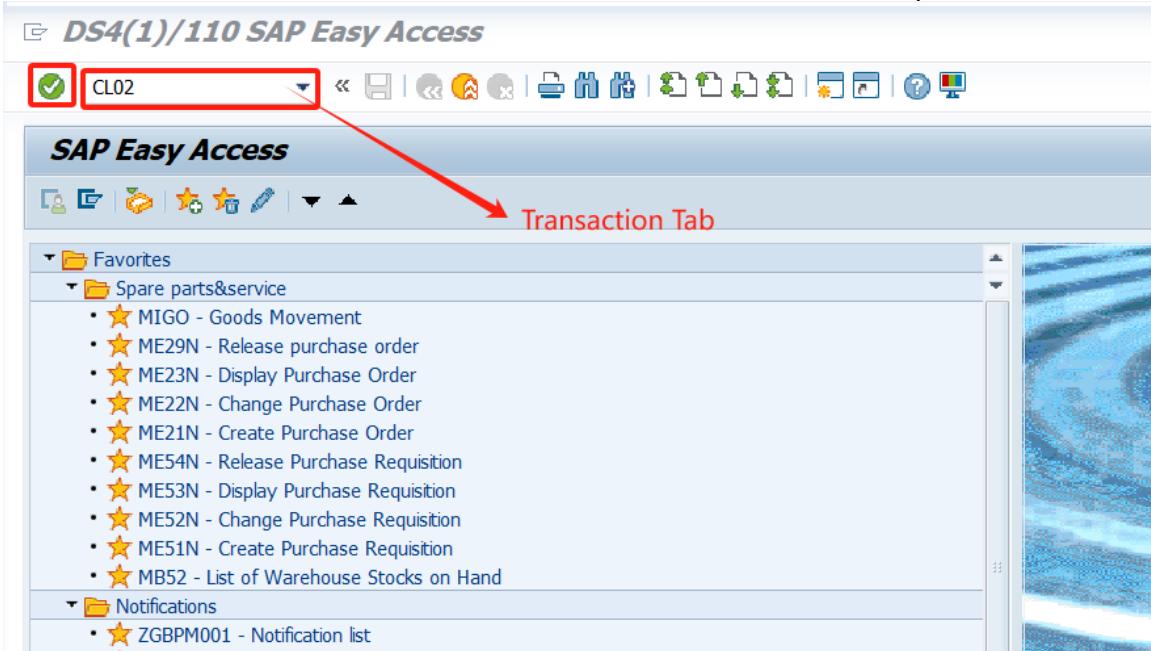
7. A message that the class has been saved will appear in the lower left corner of the screen.



1.2.3 Change class

1. Enter the CL02 T-CODE in the Transaction Tab.

2. Click button or press Enter.

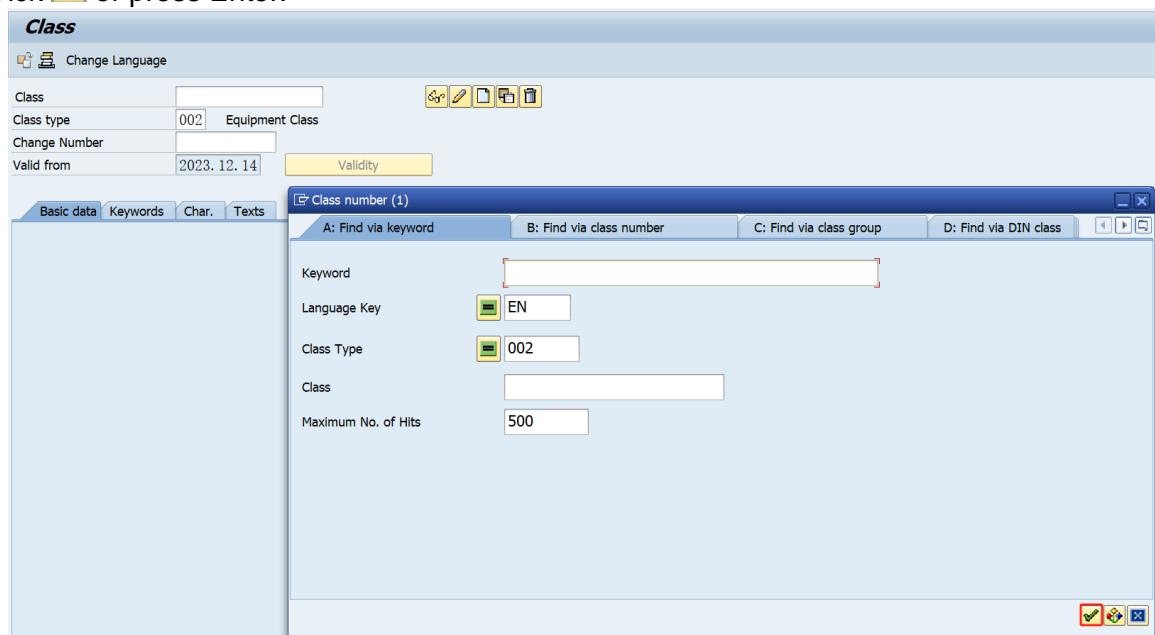


3. Input 002 in "Class type". Click button.

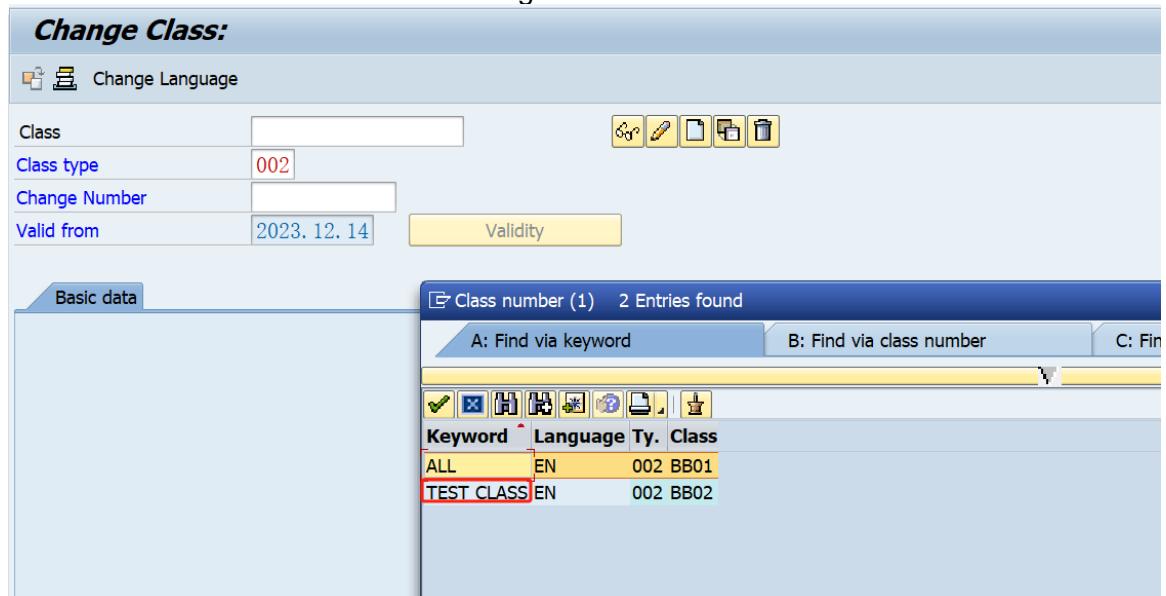
Change Class:

The screenshot shows the 'Change Class' dialog box. It has several input fields: 'Class' (with a yellow background), 'Class type' (containing '002'), 'Change Number' (empty), 'Valid from' (set to '2023. 12. 14'), and a 'Validity' button. Below these fields is a tab labeled 'Basic data'.

4. Tick or press Enter.



5. Select and double click the class to change.



6. Check whether the number of the class selected to change is correct and click button or press Enter.

Change Class:

Change Language

Class	BB02							
Class type	002							
Change Number								
Valid from	2023. 12. 14	Validity						

Basic data

7. Change the class information and click button to save.

Class Edit Goto Extras Environment System Help

Change Class:

Change Language

Class	BB02			
Class type	002	Equipment Class		
Change Number				
Valid from	2023. 12. 14	Validity		

Basic data Keywords Char. Texts

Basic data

Description	Test class	
Status	1 Released	
Class group		
Organizational area		Local class <input type="checkbox"/>
Valid From	2023. 12. 14	Valid to <input type="text"/> 9999. 12. 31

Same classification

Do not check
 Warning message
 Check with error

Authorizations

Class maintenance	<input type="checkbox"/>
Classification	<input type="checkbox"/>
Find object	<input type="checkbox"/>

Administrative data

Assignments	<input type="checkbox"/>		
Created By	919	Created On	2023. 12. 14

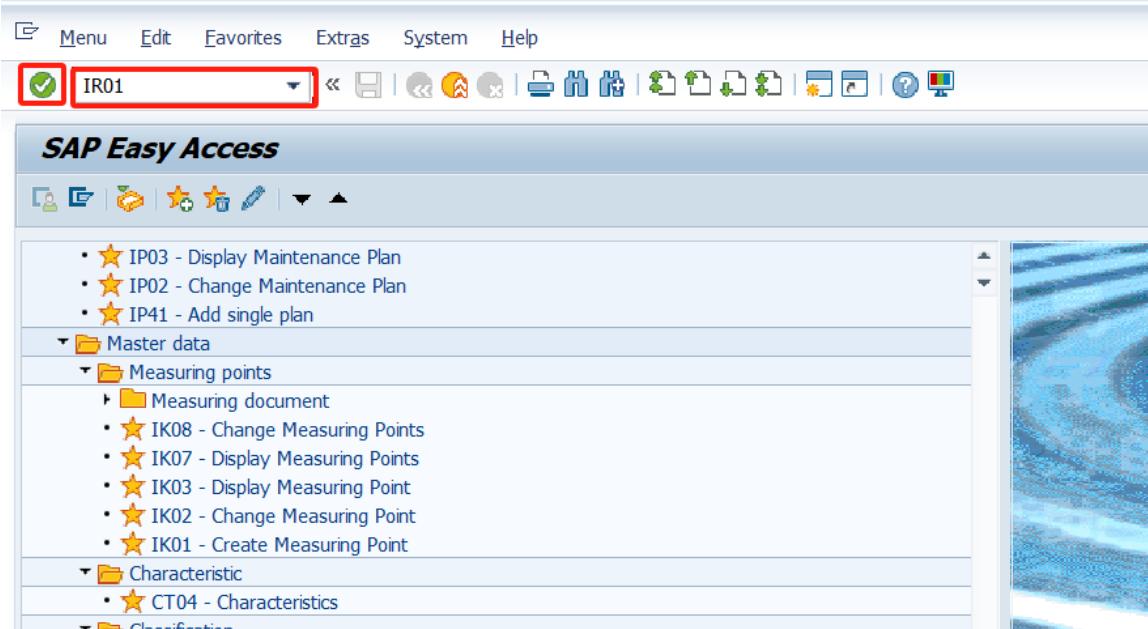
1.3 Work center

1.3.1 Work center

The work center of PM module is a maintenance unit that provides maintenance and normal operation of equipment and engineering facilities.

1.3.2 Create work center

1. Enter the **IR01** T-CODE in the Transaction Tab.
2. Click button or press Enter.



3. Select plant number, work center category (Plant maintenance) and input new work center number.
4. Click button or press Enter.

Create Work Center: Initial Screen

Basic Data

Plant	8001	Plant selection button.
Work Center	8001kni	

Basic data

Work Center Category		Work Center Category selection button.
Copy from:		
Plant		
Work Center		

A modal dialog box titled "Work Center Category (1) 5 Entries found" is displayed. It shows a list of categories with descriptions. The category "0005 Plant maintenance" is highlighted with a yellow background.

Work center list:

Plant	Work Center Code	Work Center Description
Main plant	8001PLU	Plumbing Unit
Main plant	8001ELE	Electrical Unit
Main plant	8001VEN	Ventilation Unit
Main plant	8001ECO	Electronic Unit
Main plant	8001BUI	Building Unit
Main plant	8001PRI	Primary Maintenance Unit
Main plant	8001SPI	Spinning Maintenance Unit
Main plant	8001KNI	Knitting Maintenance Unit
Main plant	8001LIN	Knitting Linking Maintenance Unit
Main plant	8001SEW	Sewing Maintenance Unit
Main plant	8001WEA	Weaving Maintenance Unit
Main plant	8001FIN	Weaving Finishing Maintenance Unit
Main plant	8001MET	Metrological Engineer

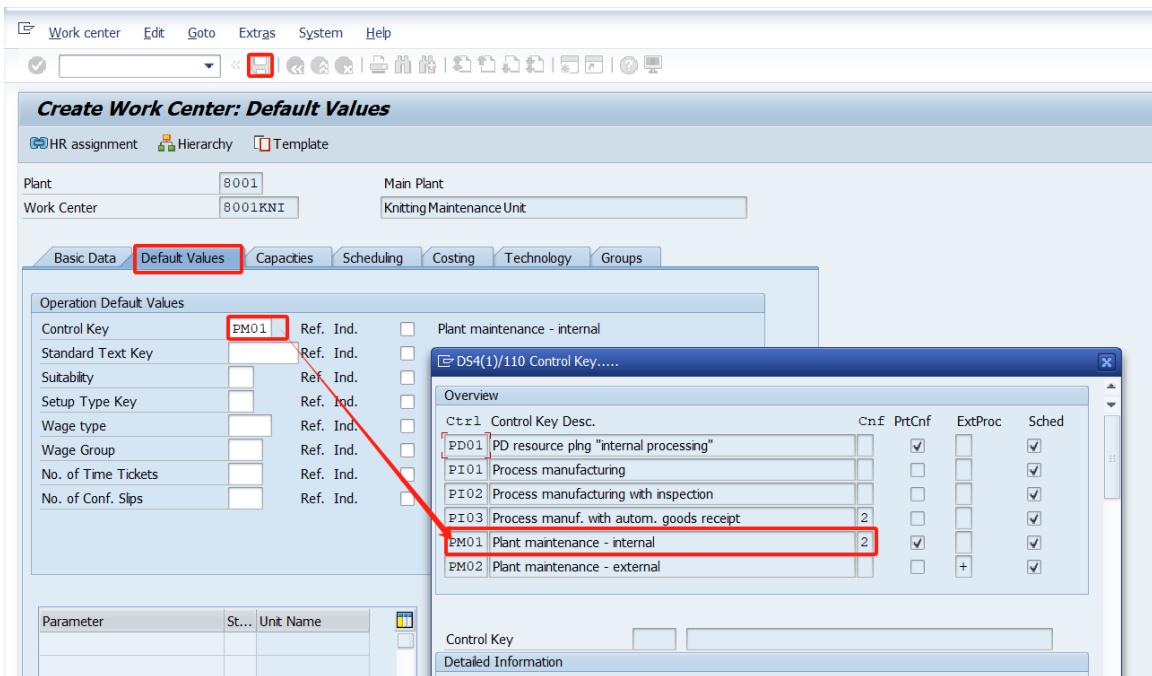
5. Input work center description and select Person Responsible, Usage (Only Maintenance Task), Standard Value Key (No standard values)

The screenshot shows the SAP interface for creating a work center. The main window is titled "Create Work Center: Basic Data". It displays the following information:

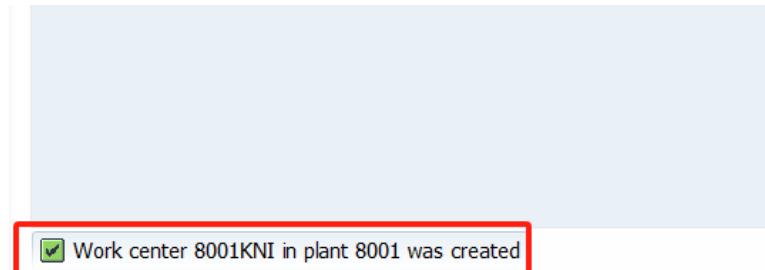
- Plant:** 8001 (Main Plant)
- Work Center:** 8001KNI (Knitting Maintenance Unit)
- General Data:**
 - Work Center Category: 0005 (Plant maintenance)
 - Person Responsible: 002 (Mechanical engineer /Knitting/)
 - Location: (empty)
 - QDR System: (empty)
 - Supply Area: (empty)
 - Usage: 004 (Only maintenance task lists)
 - Backflush: (unchecked)
- Standard Value Maintenance:** A dropdown menu shows "Key for task list usage (1) 10 Entries found". Below it, a table lists usage codes:

Usage	Description
000	no task list categories
001	only categories
002	only instruction plans
003	only networks
004	Only maintenance task lists (highlighted)
005	Production rate planning
007	Only rate routings
008	Master recipe + process order
009	All task list types
010	Rough-cut planning
- Person Responsible for the Work Center (1) 14 Entries found:** A modal dialog box lists 14 entries under "Res Name", with entry 002 (Mechanical engineer /Knitting/) highlighted.

6. In the Default values window, click the Control key selection window, select PM01 Plant maintenance internal then click button and save.

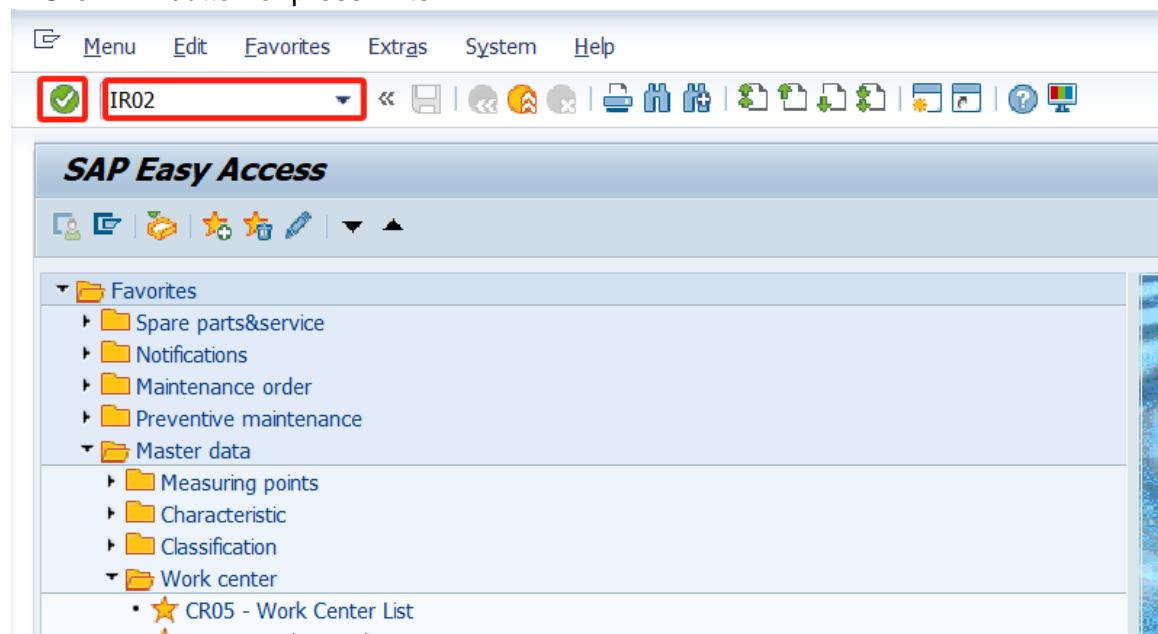


7. A message that the work center has been saved will appear in the lower left corner of the screen.

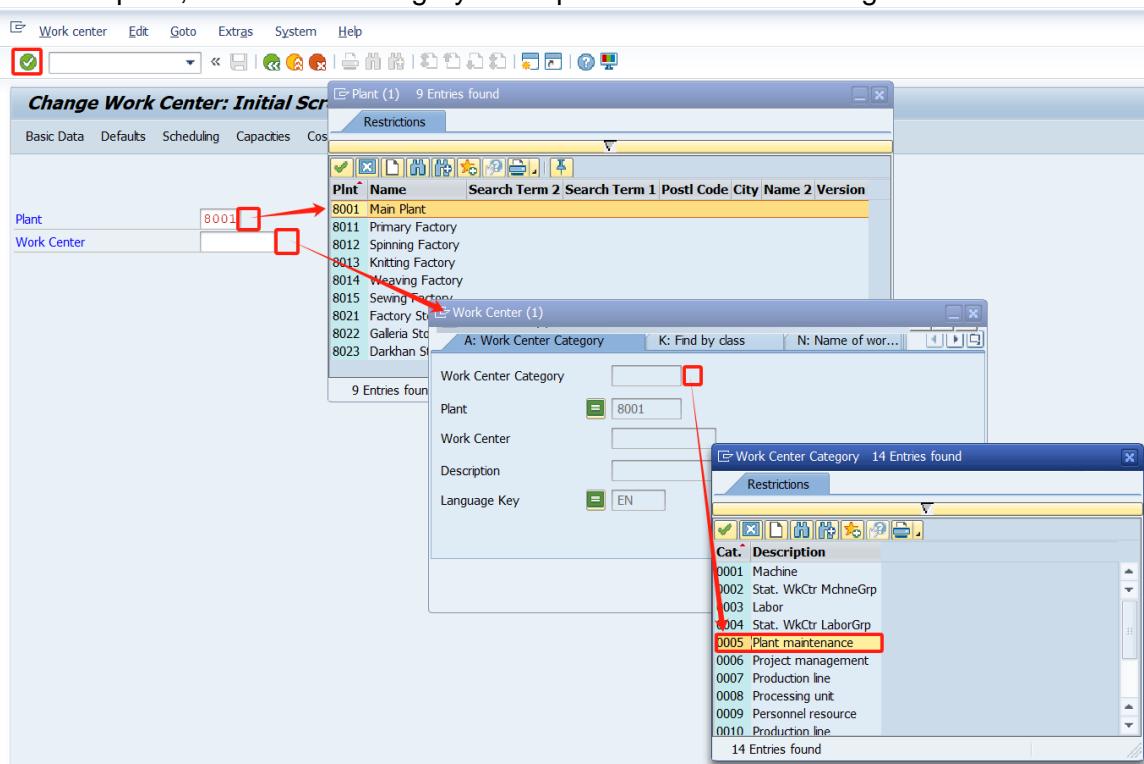


1.3.3 Change work center

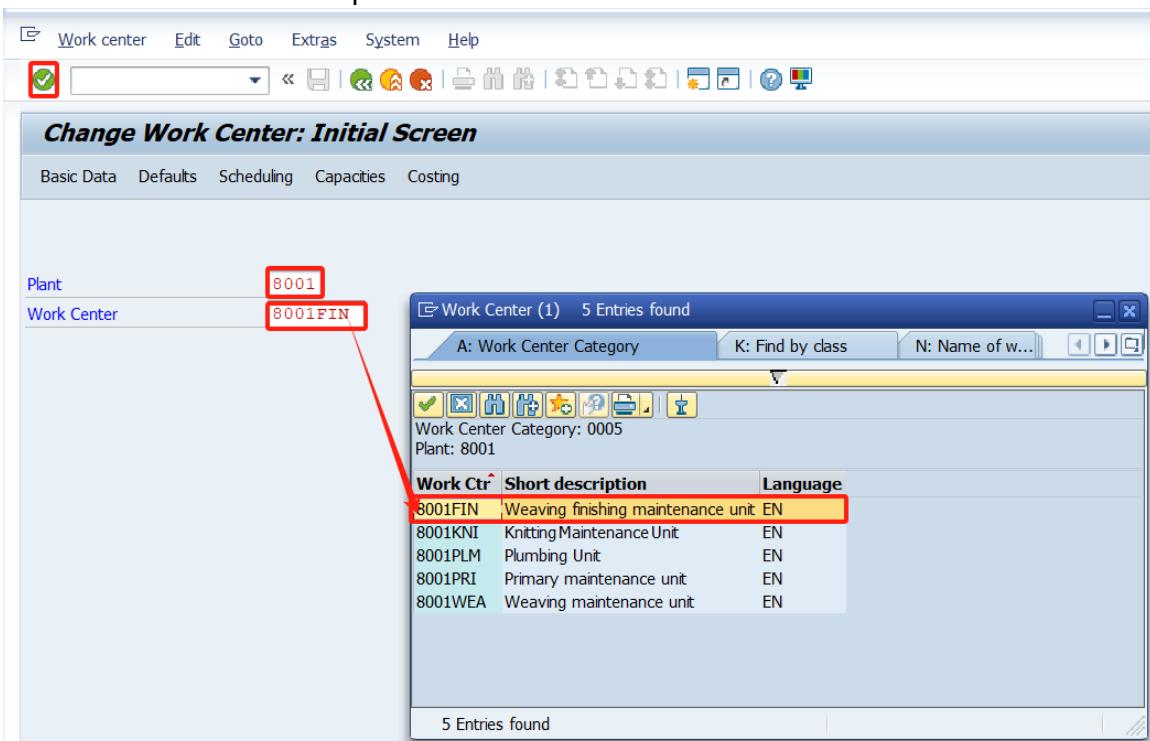
1. Enter the **IR02** T-CODE in the Transaction Tab.
2. Click button or press Enter.



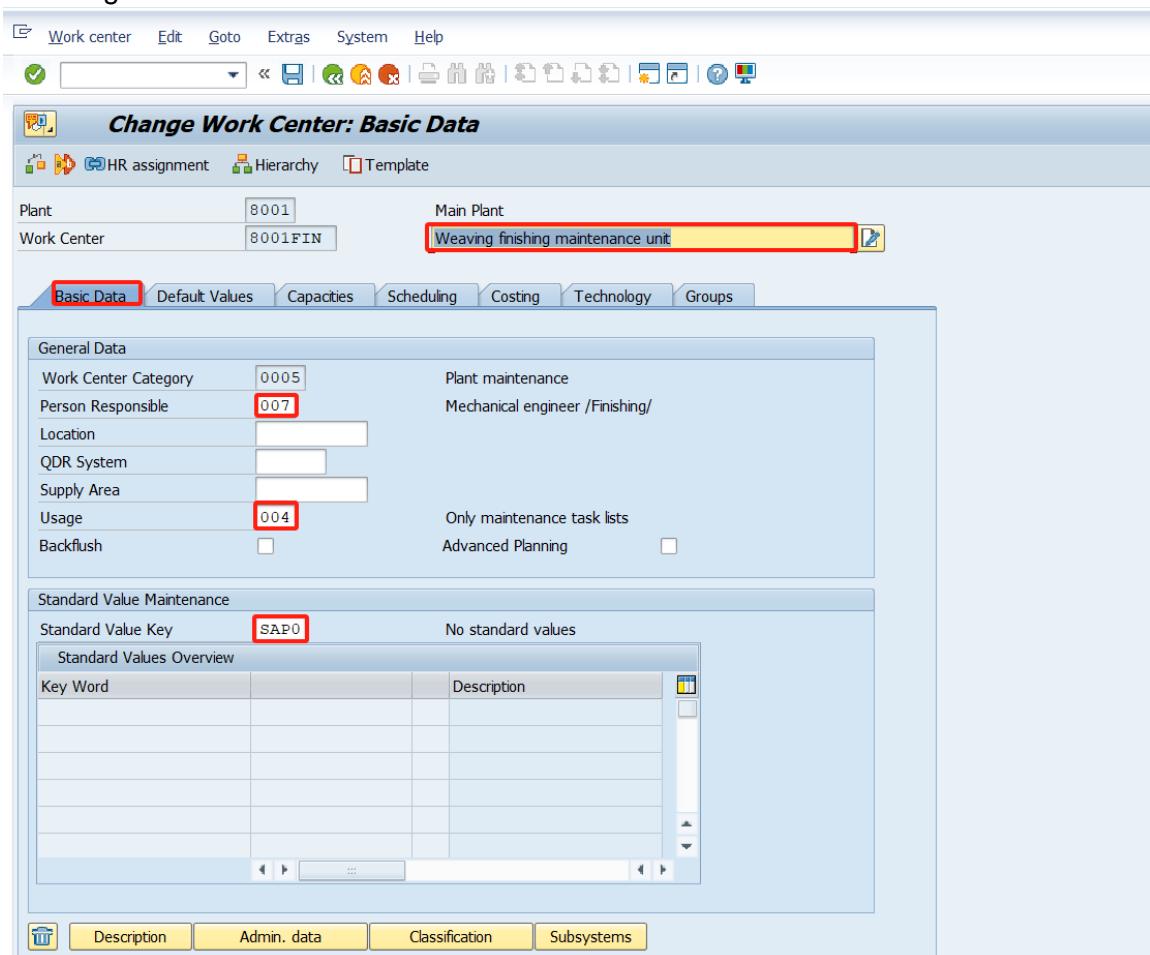
3. Select plant, work center category and input work center to change.



4. Then click button or press Enter.



5. Change the work center information and click button to save.



Change Work Center: Default Values

Plant: 8001 Main Plant: Main Plant
Work Center: 8001FIN Weaving finishing maintenance unit

Operation Default Values

Control Key	PM01	Ref. Ind.	<input type="checkbox"/> Plant maintenance - internal
Standard Text Key		Ref. Ind.	<input type="checkbox"/>
Suitability		Ref. Ind.	<input type="checkbox"/>
Setup Type Key		Ref. Ind.	<input type="checkbox"/>
Wage type		Ref. Ind.	<input type="checkbox"/>
Wage Group		Ref. Ind.	<input type="checkbox"/>
No. of Time Tickets		Ref. Ind.	<input type="checkbox"/>
No. of Conf. Slips		Ref. Ind.	<input type="checkbox"/> Printer

6. If you want to delete Work Center, select “Delete” in the “Work center” menu.

Work center

- Other work center
- Create
- Change
- Display
- Save Ctrl+S
- Check Shift+F6
- Rename... Shift+F7
- Delete Shift+F2
- Exit Shift+F3

Center: Basic Data

Plant: 01 Main Plant: Main Plant
Work Center: 01FIN Weaving finishing maintenance unit

General Data

Work Center Category	0005	Plant maintenance
Person Responsible	007	Mechanical engineer /Finishing/
Location		
QDR System		
Supply Area		
Usage	004	Only maintenance task lists
Backflush	<input type="checkbox"/>	Advanced Planning <input type="checkbox"/>

Standard Value Maintenance

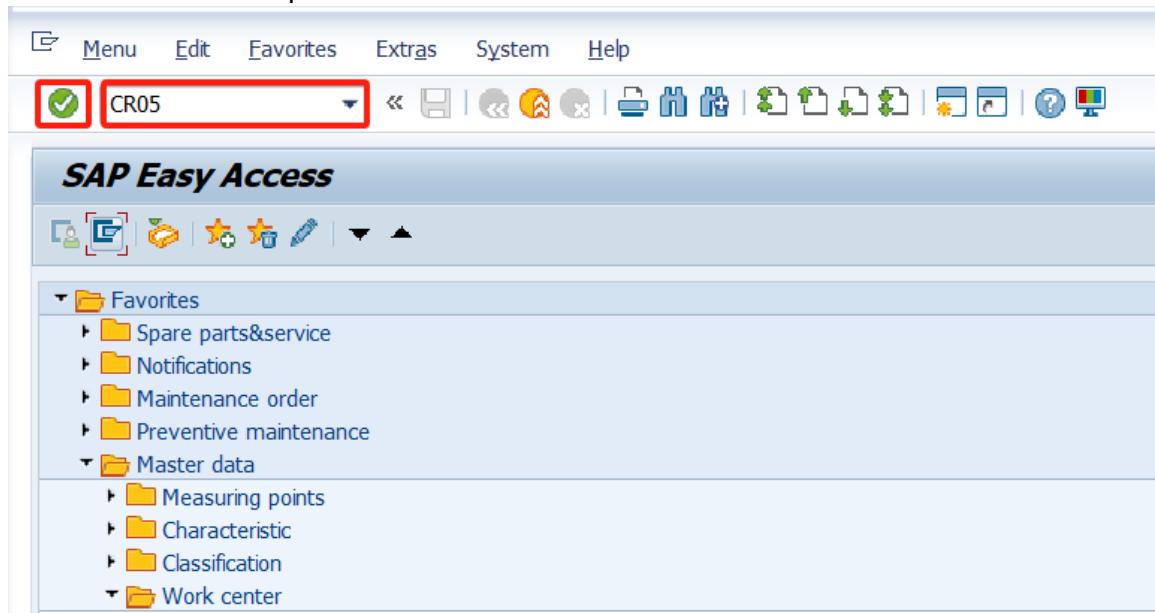
Standard Value Key	SAP0	No standard values
--------------------	------	--------------------

Standard Values Overview

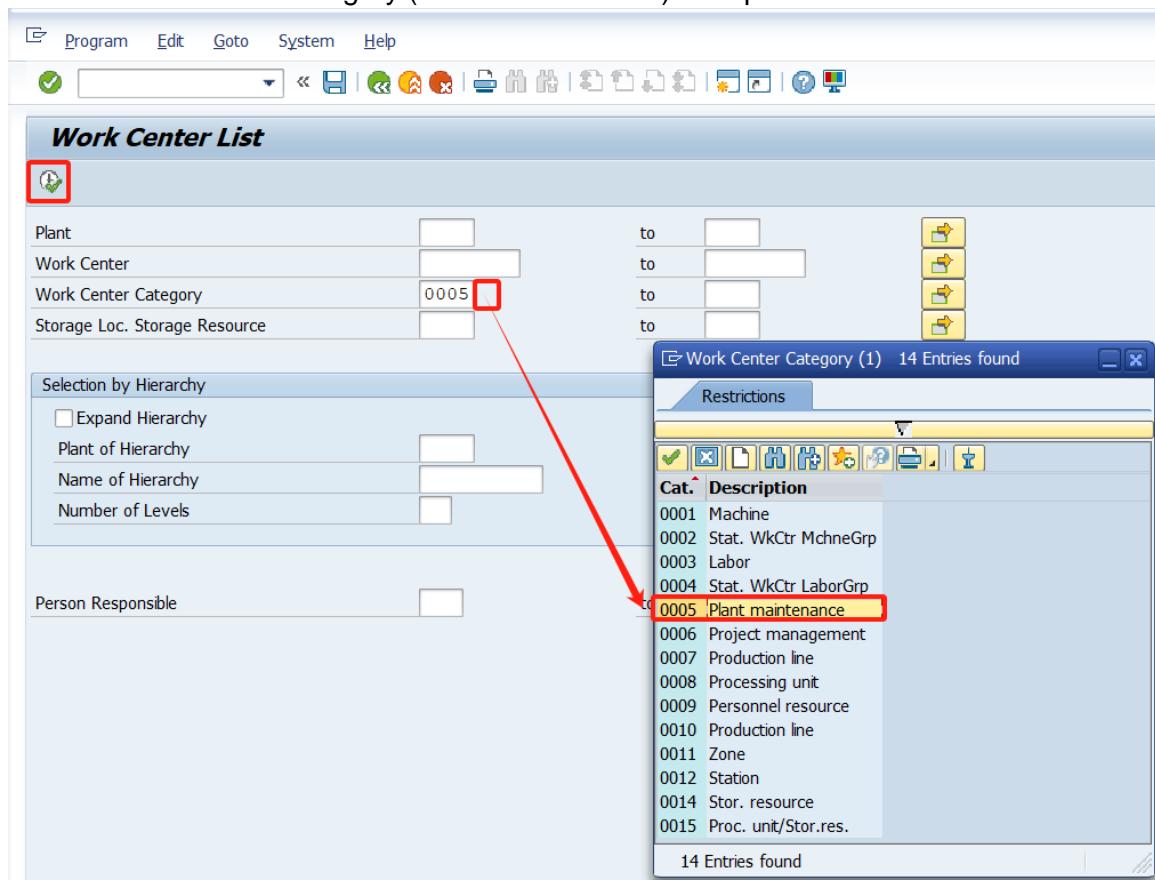
Remark: If Work center is connected to equipment, functional location, maintenance order, notification, it cannot be deleted.

1.3.4 Display work center list

1. Enter the **CR05** T-CODE in the Transaction Tab.
2. Click button or press Enter.



3. Select work center category (*Plant maintenance*) then press Enter or click button.



4. Double-click the number of the work center to select and open it.

The screenshot shows two SAP application windows. The top window is titled "Work Center List" and displays a table of work centers. The bottom window is titled "Display Work Center: Basic Data" and shows detailed configuration for a selected work center.

Work Center List (Top Window):

WorkCntr	Plnt	Cat	Resp.	Description	Strg Loc
8001FIN	8001	0005	007	Weaving finishing maintenance unit	
8001KNI	8001	0005	002	Knitting Maintenance Unit	
8001PLM	8001	0005	001	Plumbing Unit	
8001PRI	8001	0005	005	Primary maintenance unit	
8001WEA	8001	0005	003	Weaving maintenance unit	
8011PLM	8011	0005	PP1	Plumbing Unit	

Display Work Center: Basic Data (Bottom Window):

Plant: 8001 (Main Plant: Weaving finishing maintenance unit)

Work Center: 8001FIN

General Data:

- Work Center Category: 0005 (Plant maintenance)
- Person Responsible: 007 (Mechanical engineer /Finishing/)
- Location: (Blank)
- QDR System: (Blank)
- Supply Area: (Blank)
- Usage: 004 (Only maintenance task lists)
- Backflush: (checkbox)

Standard Value Maintenance:

- Standard Value Key: SAP0 (No standard values)
- Standard Values Overview:

Key Word	Description

Navigation tabs at the bottom of the bottom window:

- Description
- Admin. data
- Classification
- Subsystems

1.4 Functional location

1.4.1 Functional location

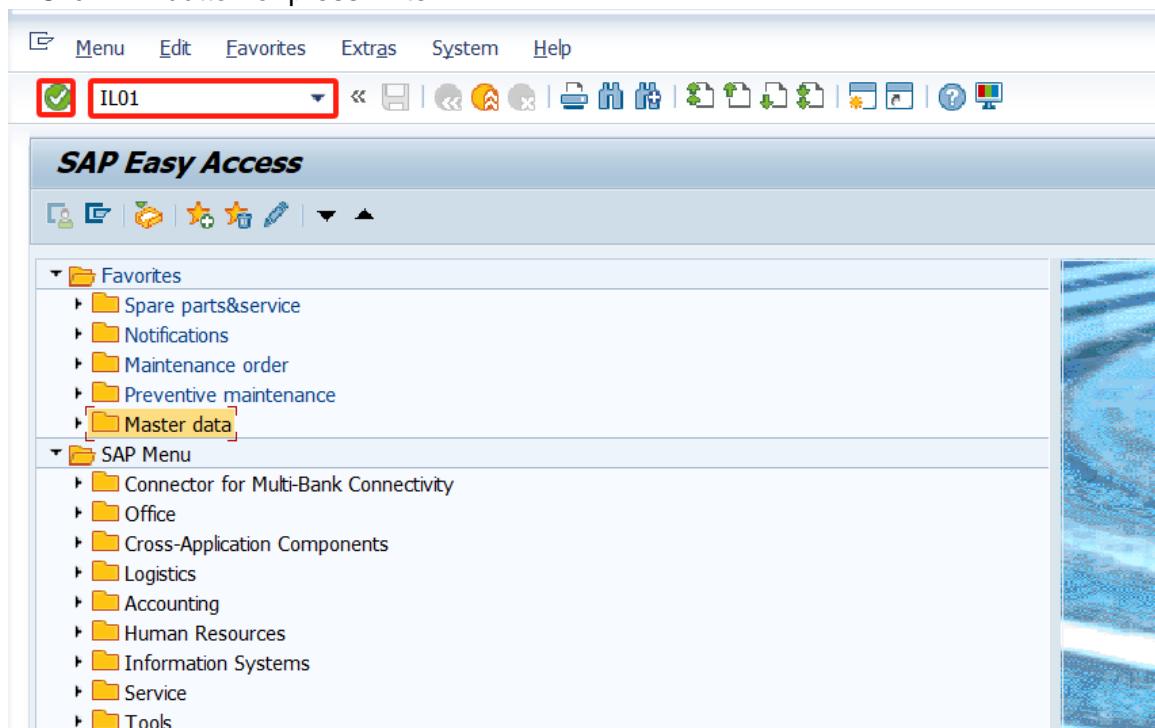
Functional location refers to the location where equipment's and engineering facility's structure are installed. One or more devices are installed in each functional location.

Functional locations are organized hierarchically. Functional locations can be set based on logical relationships or physical locations.

There are 2 types of functional location: Engineering facility and Equipment.

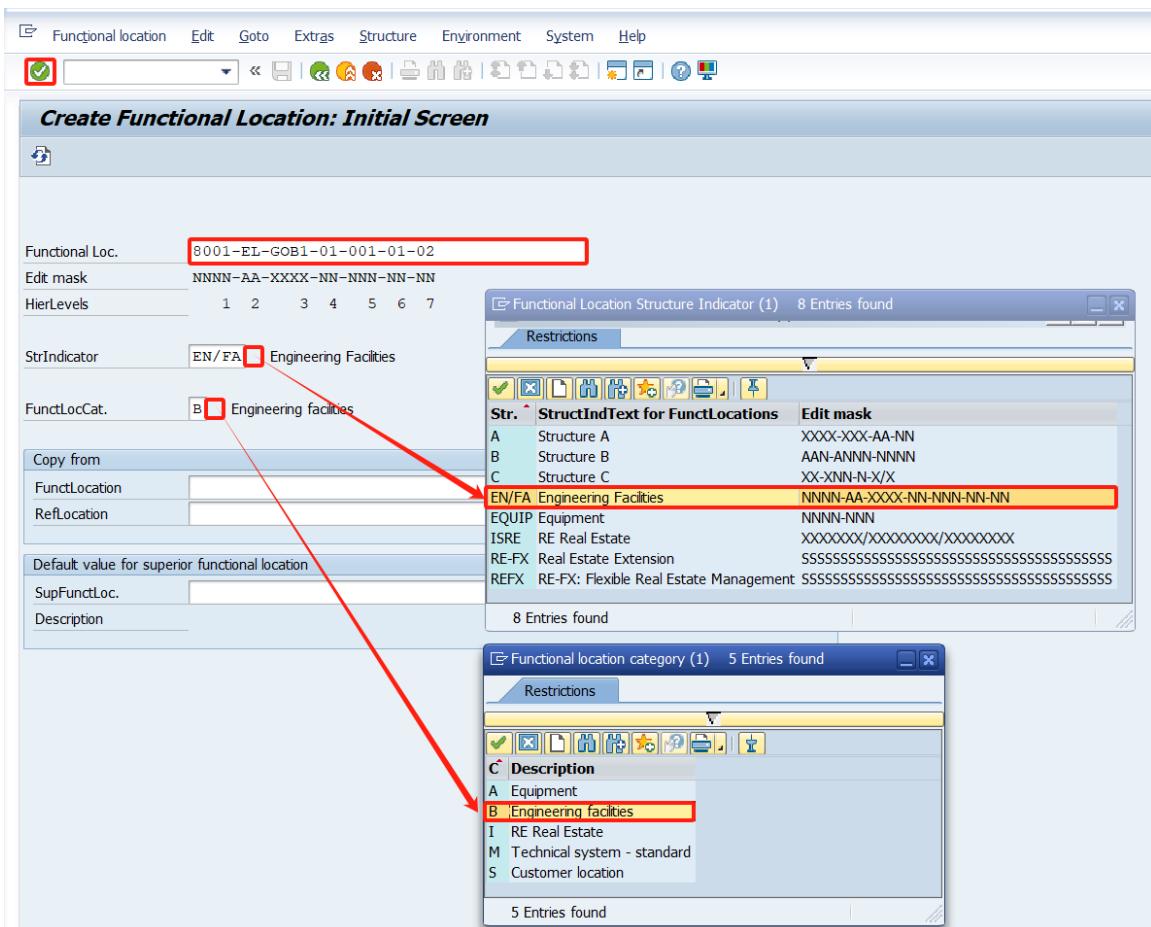
1.4.2 Create engineering facility functional location

1. Enter the **IL01** T-CODE in the Transaction Tab.
2. Click button or press Enter.

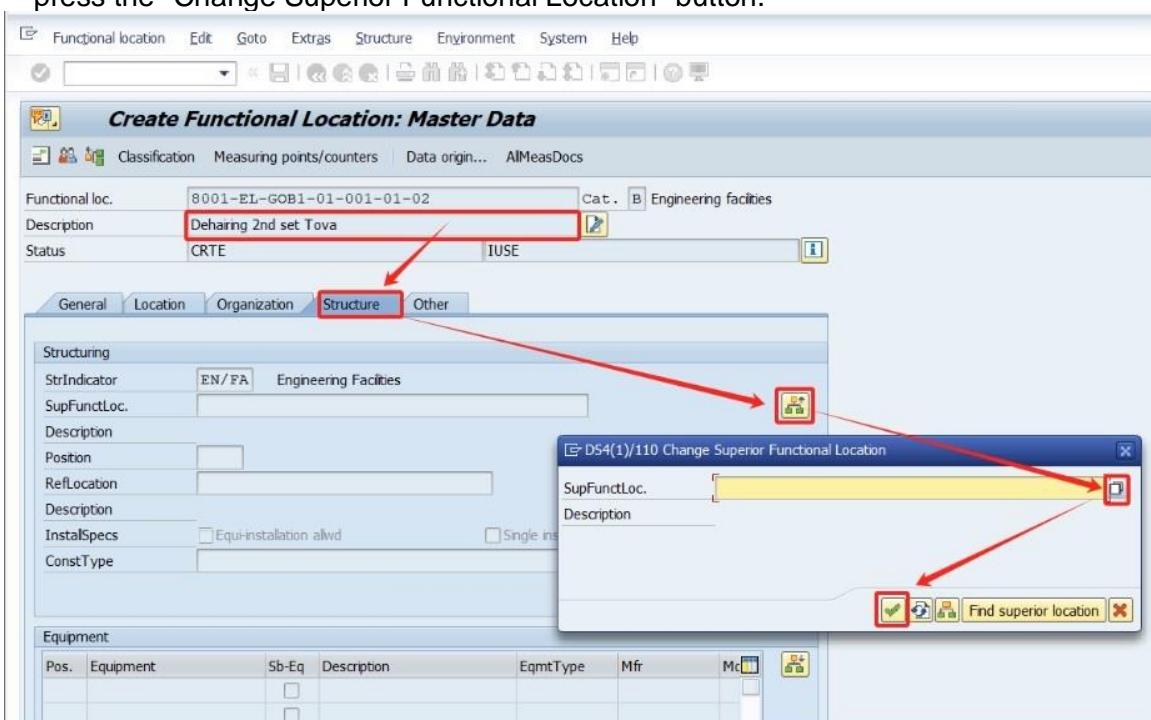


Remark: Before creating a new functional location, view the functional locations already created using IH01 T-Code then organize the number of the new functional location. See section **1.4.5** for this user manual on how to use the IH01 T-Code.

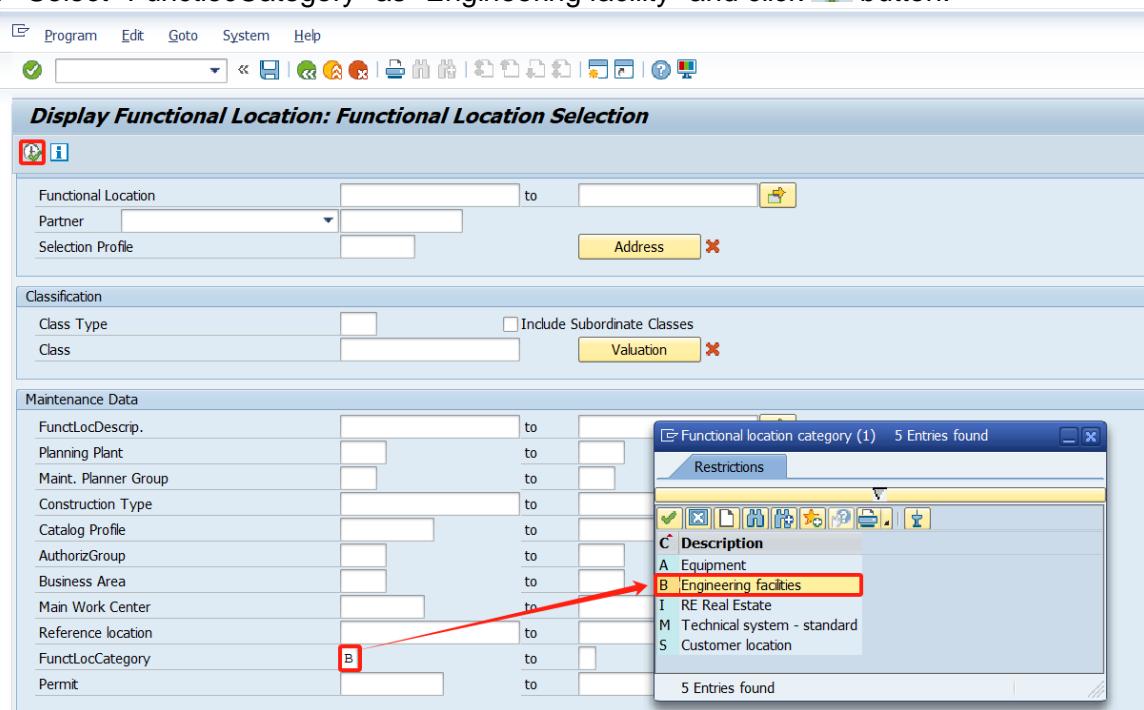
3. If to create Engineering facility's Functional location, select "StrIndicator" and "FuncLocCat." Engineering facility and press Enter.
4. "Functional loc." In the field, write the code of the newly created functional location.



5. Enter newly functional location's description then go to "Structure" menu.
6. When selecting the superior functional location of the newly created functional location, press the "Change Superior Functional Location" button.



7. Select "FunctlocCategory" as "Engineering facility" and click  button.



Display Functional Location: Functional Location Selection

Functional Location to 

Partner Selection Profile Address 

Classification

Class Type Include Subordinate Classes

Class Valuation 

Maintenance Data

FunctLocDescrip.	<input type="text"/> to <input type="text"/>
Planning Plant	<input type="text"/> to <input type="text"/>
Maint. Planner Group	<input type="text"/> to <input type="text"/>
Construction Type	<input type="text"/> to <input type="text"/>
Catalog Profile	<input type="text"/> to <input type="text"/>
AuthorizGroup	<input type="text"/> to <input type="text"/>
Business Area	<input type="text"/> to <input type="text"/>
Main Work Center	<input type="text"/> to <input type="text"/>
Reference location	<input type="text"/> to <input type="text"/>
FunctLocCategory 	<input type="text"/> to <input type="text"/>
Permit	<input type="text"/> to <input type="text"/>

Functional location category (1) 5 Entries found

Restrictions

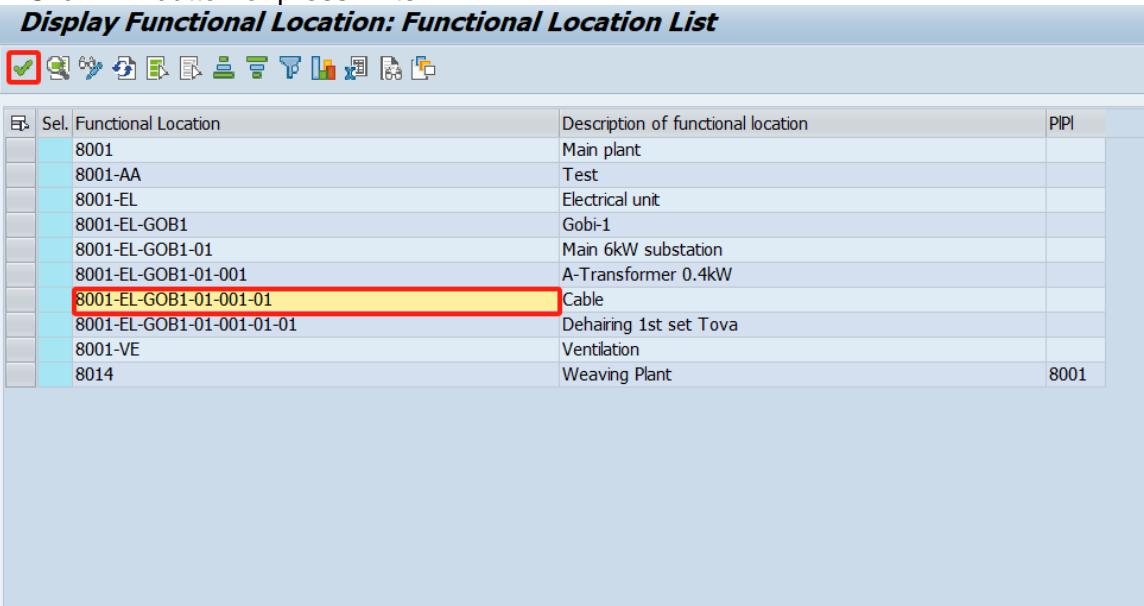
Description

- A Equipment
- B Engineering facilities**
- I RE Real Estate
- M Technical system - standard
- S Customer location

5 Entries found

8. Select newly functional location's Superior Functional Location.

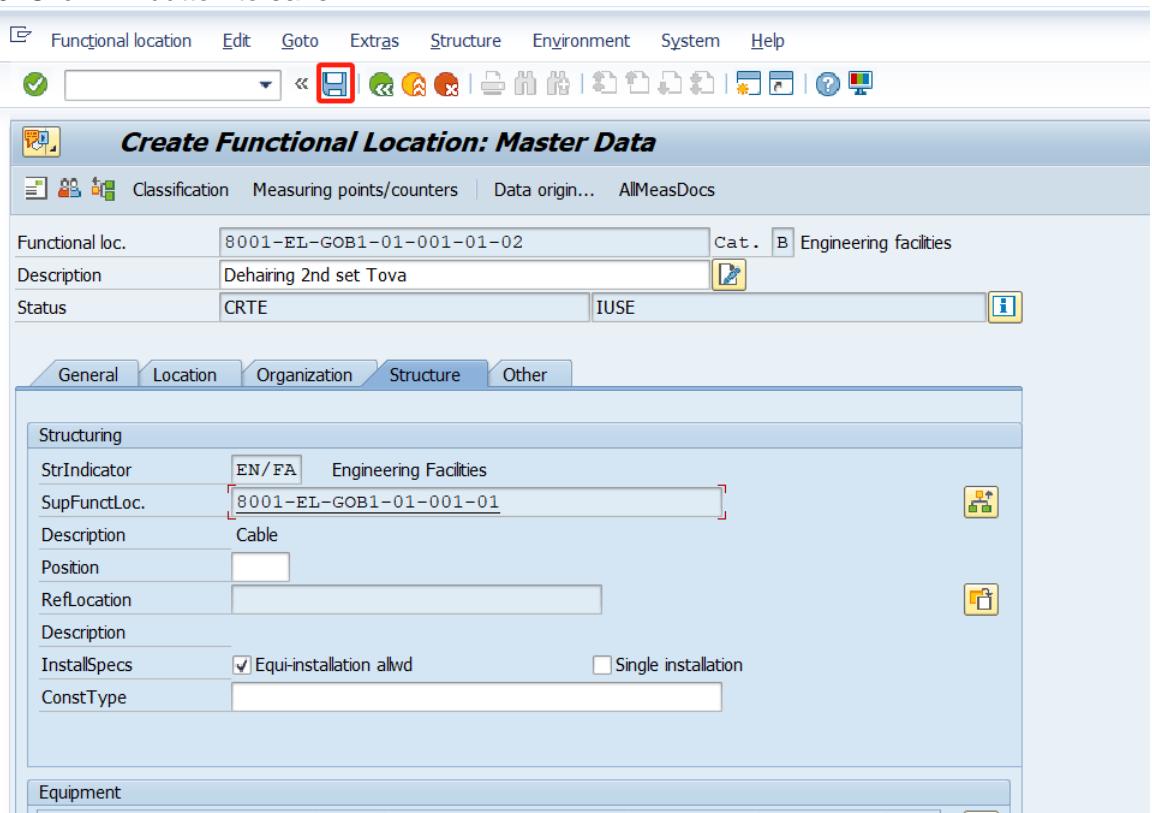
9. Click  button or press Enter.



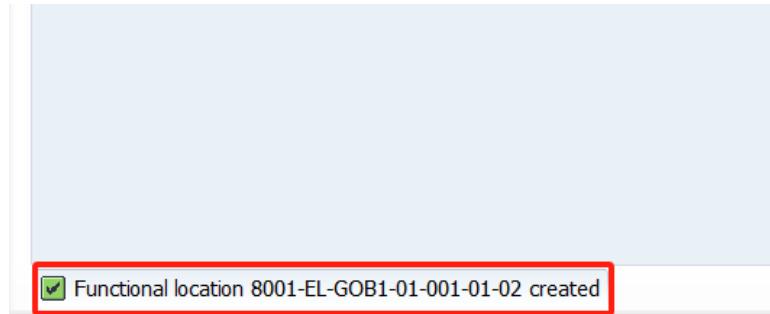
Display Functional Location: Functional Location List

Sel.	Functional Location	Description of functional location	P/PI
	8001	Main plant	
	8001-AA	Test	
	8001-EL	Electrical unit	
	8001-EL-GOB1	Gobi-1	
	8001-EL-GOB1-01	Main 6kW substation	
	8001-EL-GOB1-01-001	A-Transformer 0.4kW	
	8001-EL-GOB1-01-001-01	Cable	
	8001-EL-GOB1-01-001-01-01	Dehairing 1st set Tova	
	8001-VE	Ventilation	
	8014	Weaving Plant	8001

10. Click  button to save.

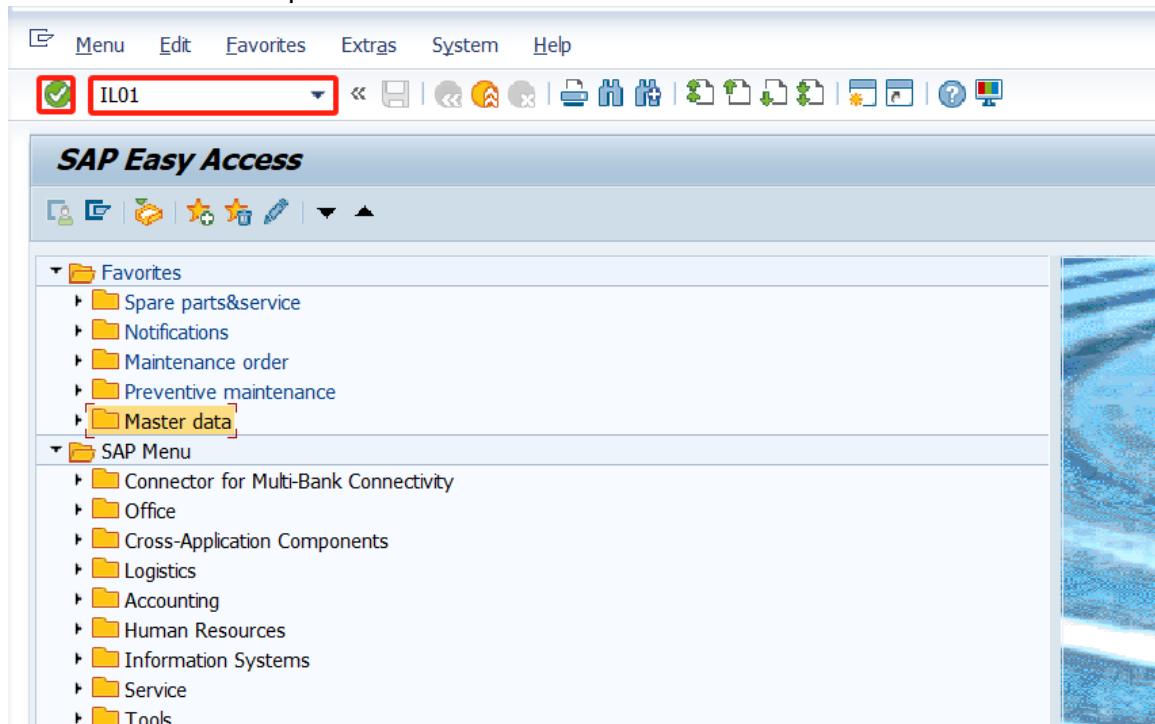


11. A message that the functional location has been created will appear in the lower left corner of the screen.



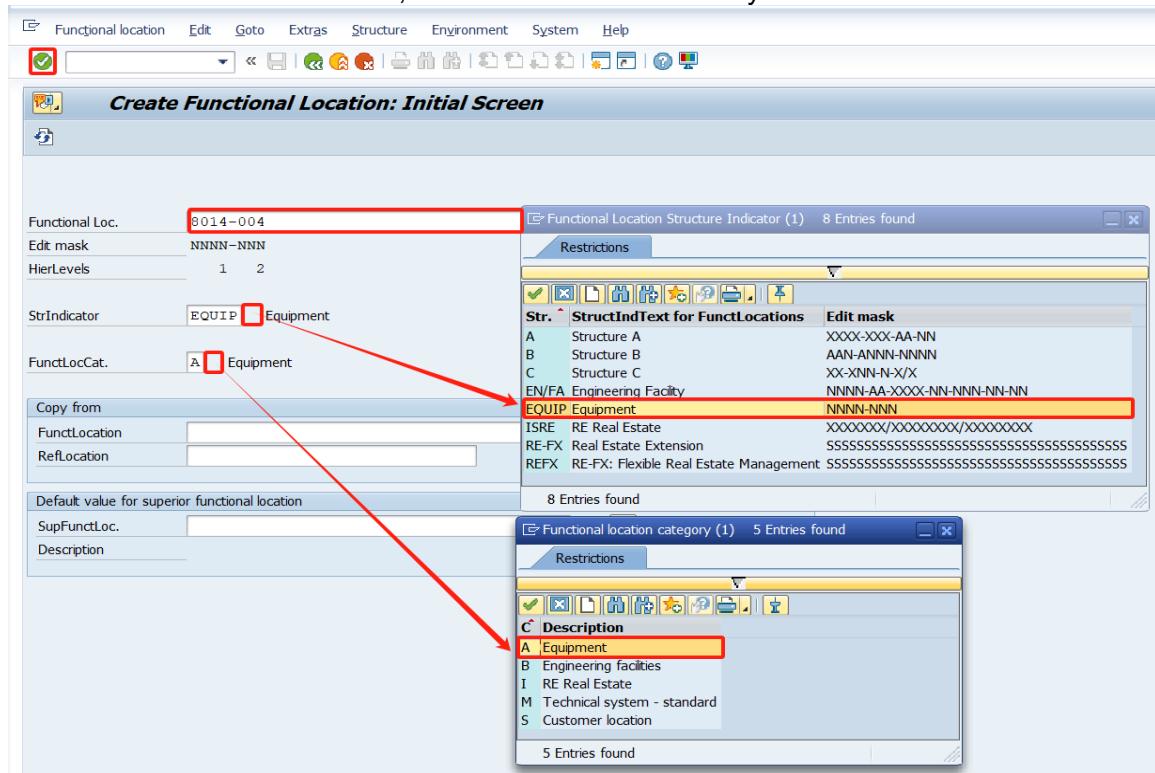
1.4.3 Create equipment functional location

12. Enter the **IL01** T-CODE in the Transaction Tab.
 13. Click button or press Enter.



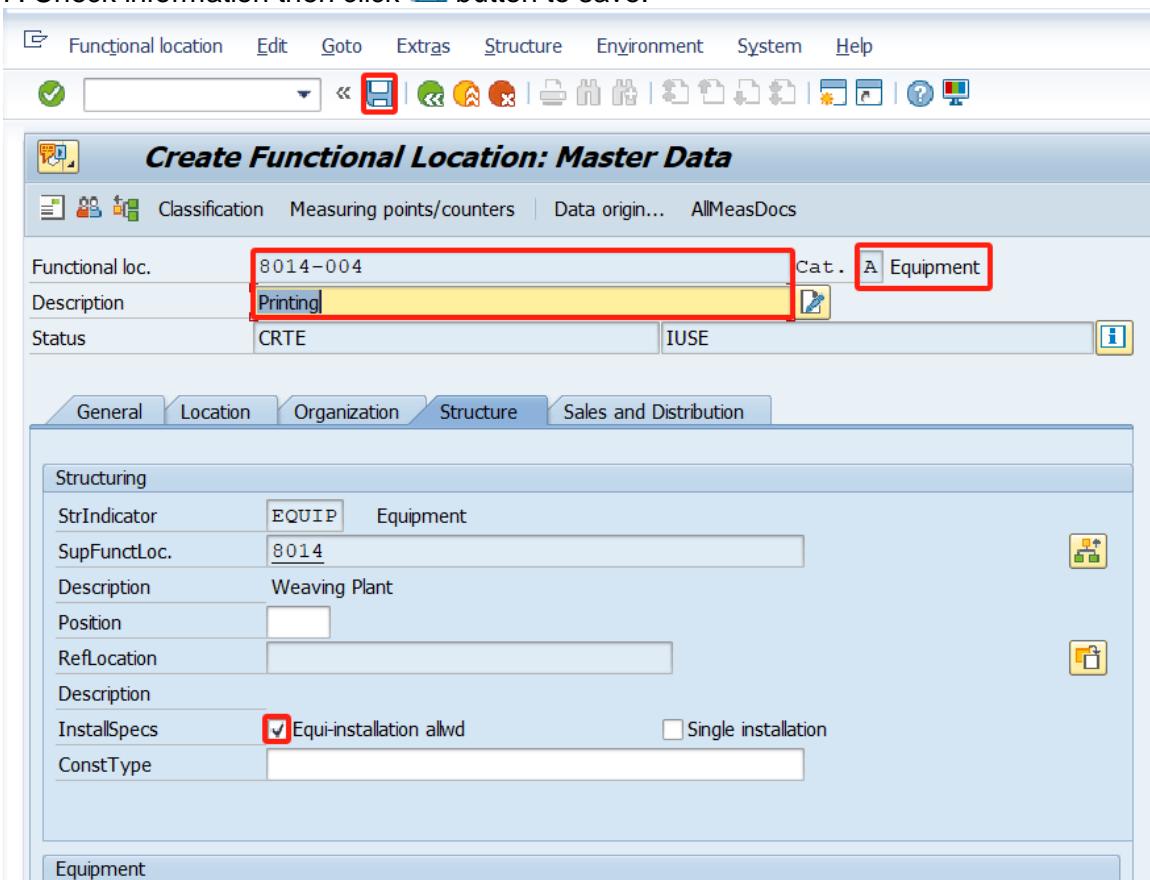
Remark: Before creating a new functional location, view the functional locations already created using IH01 T-Code then organize the number of the new functional location. See section **1.4.5** for this user manual on how to use the IH01 T-Code.

14. If to create equipment's Functional location, select "StrlIndicator" and "FuncLocCat." Equipment and press Enter.
 15. "Functional loc." In the field, write the code of the newly created functional location.



16. Input description.

17. Check information then click  button to save.



Functional location: 8014-004

Description: Printing

Category: Equipment

Structuring:

- StrIndicator: EQUIP Equipment
- SupFunctLoc: 8014
- Description: Weaving Plant
- Position:
- RefLocation:
- Description:
- Install Specs:
 Equi-installation allowed
 Single installation
- ConstType:

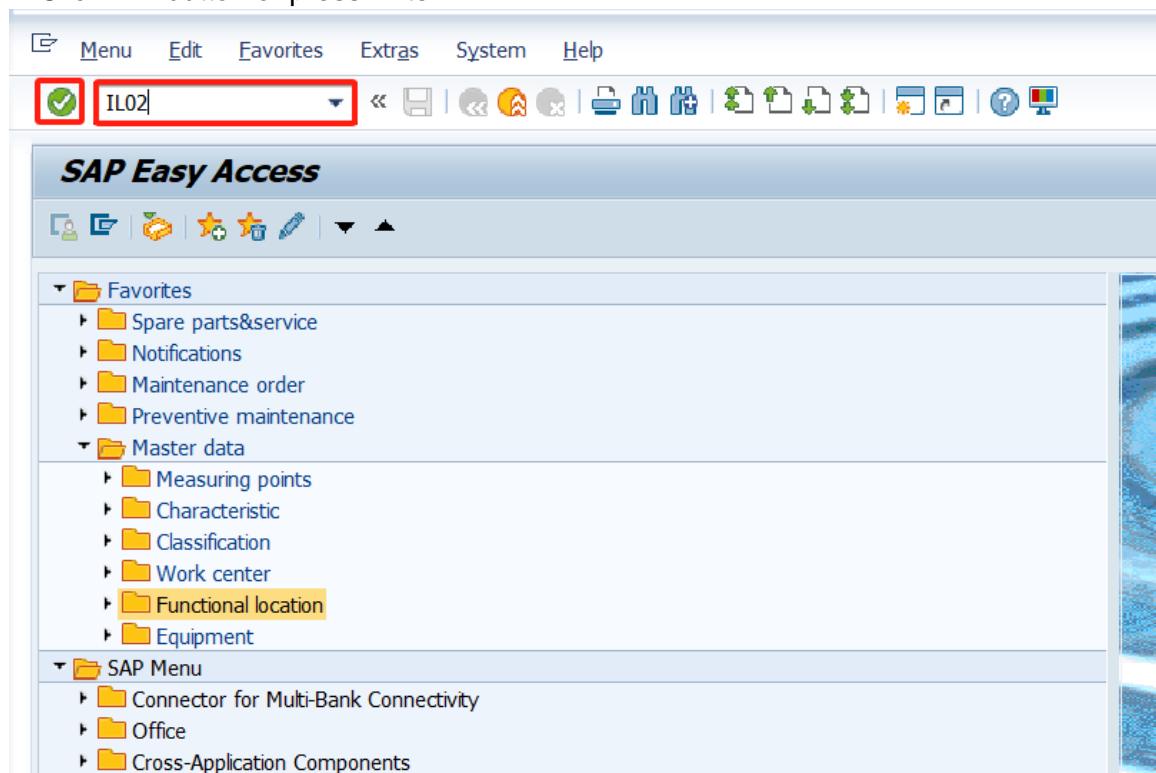
Equipment

18. A message that the functional location has been created will appear in the lower left corner of the screen.



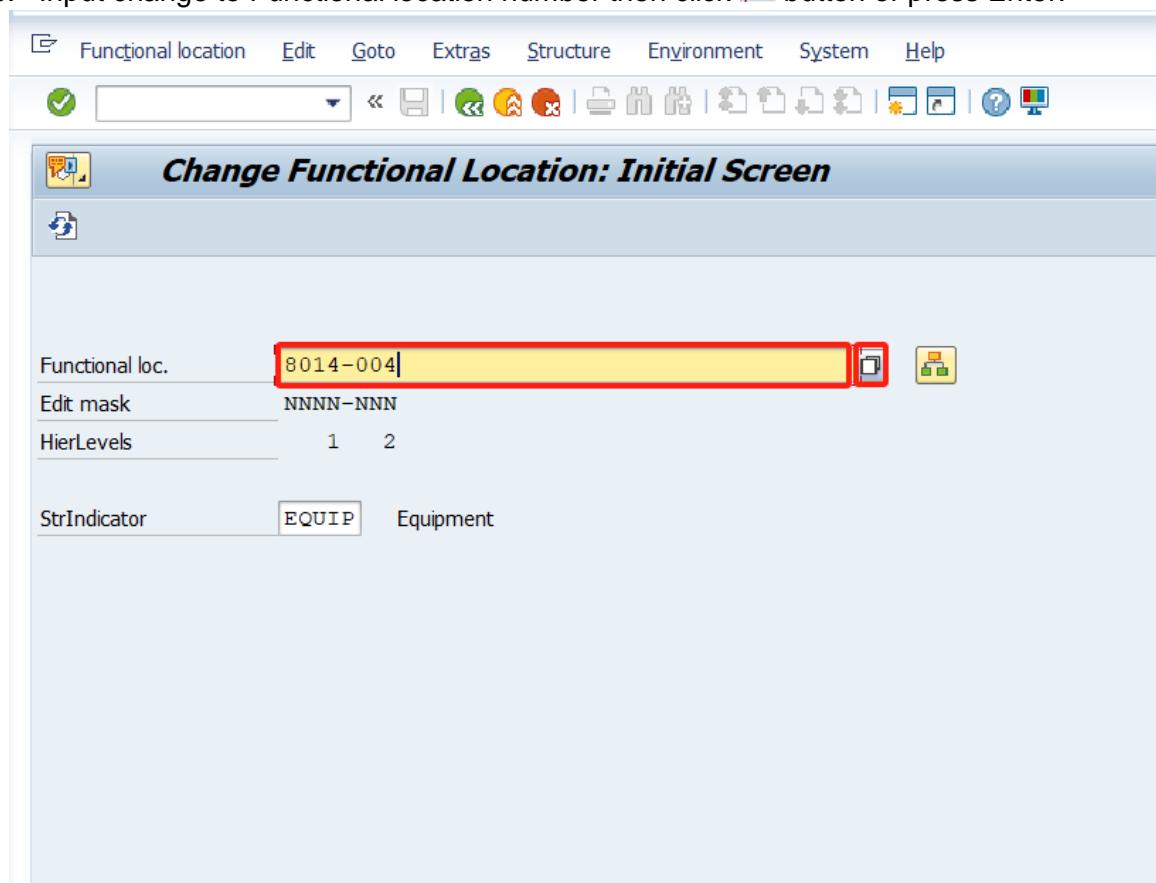
1.4.4 Change Functional location

1. Enter the **IL02** T-CODE in the Transaction Tab.
2. Click button or press Enter.

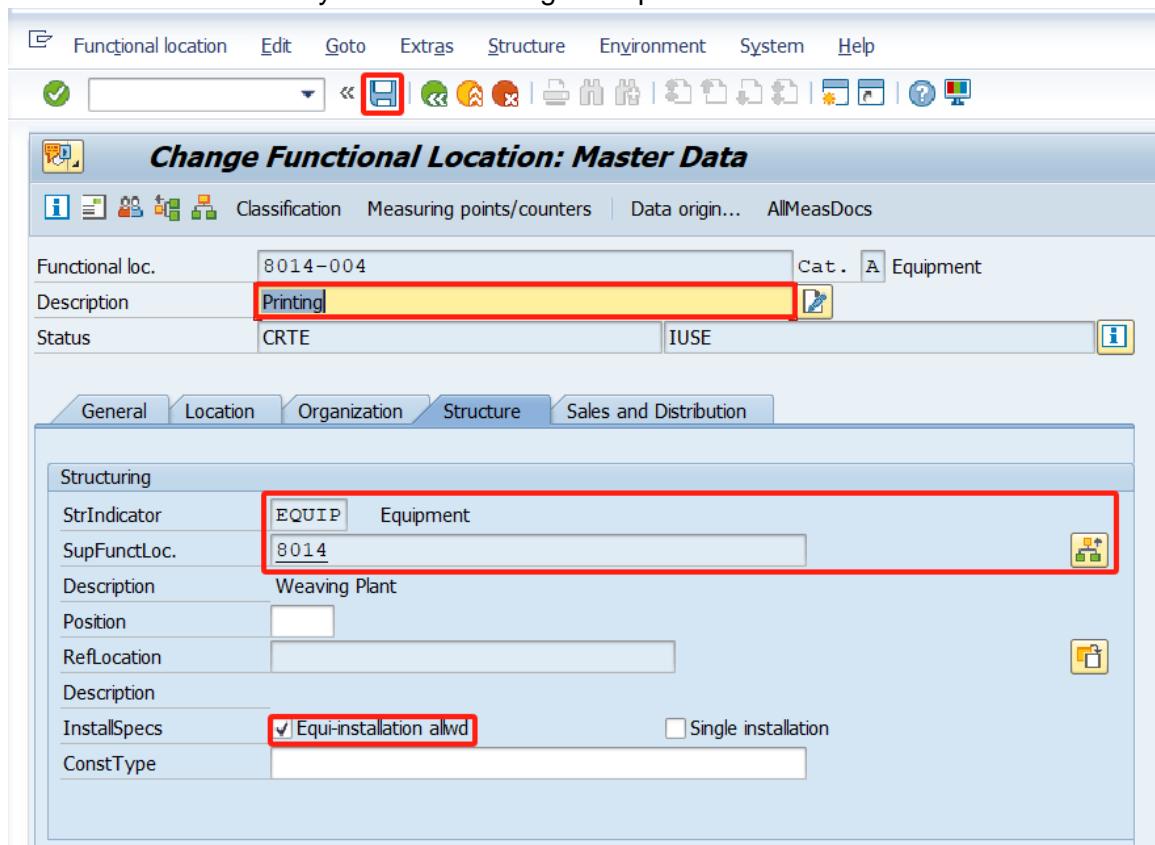


Remark: To change the functional location number, use the IH01 T-Code to open the list of all functional locations. See section 1.4.5 for this user manual on how to use the IH01 T-Code.

3. Input change to Functional location number then click button or press Enter.

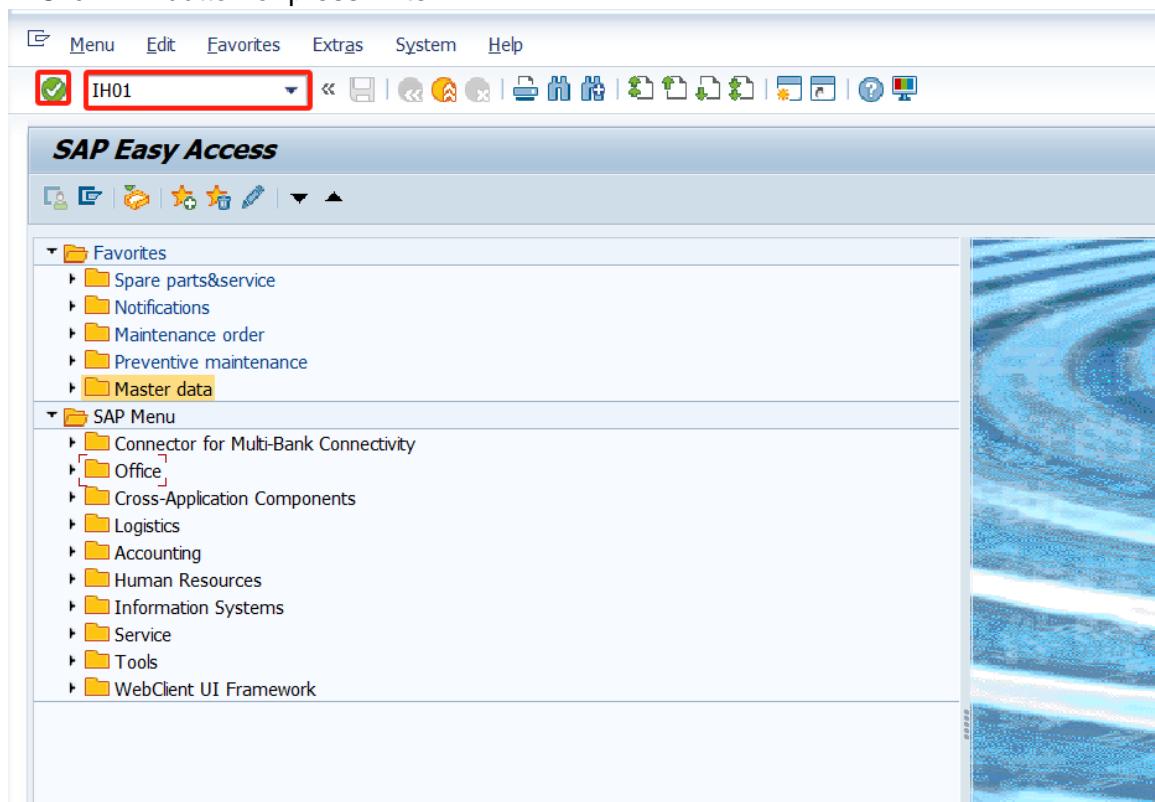


4. Enter the information you want to change and press  button to save.

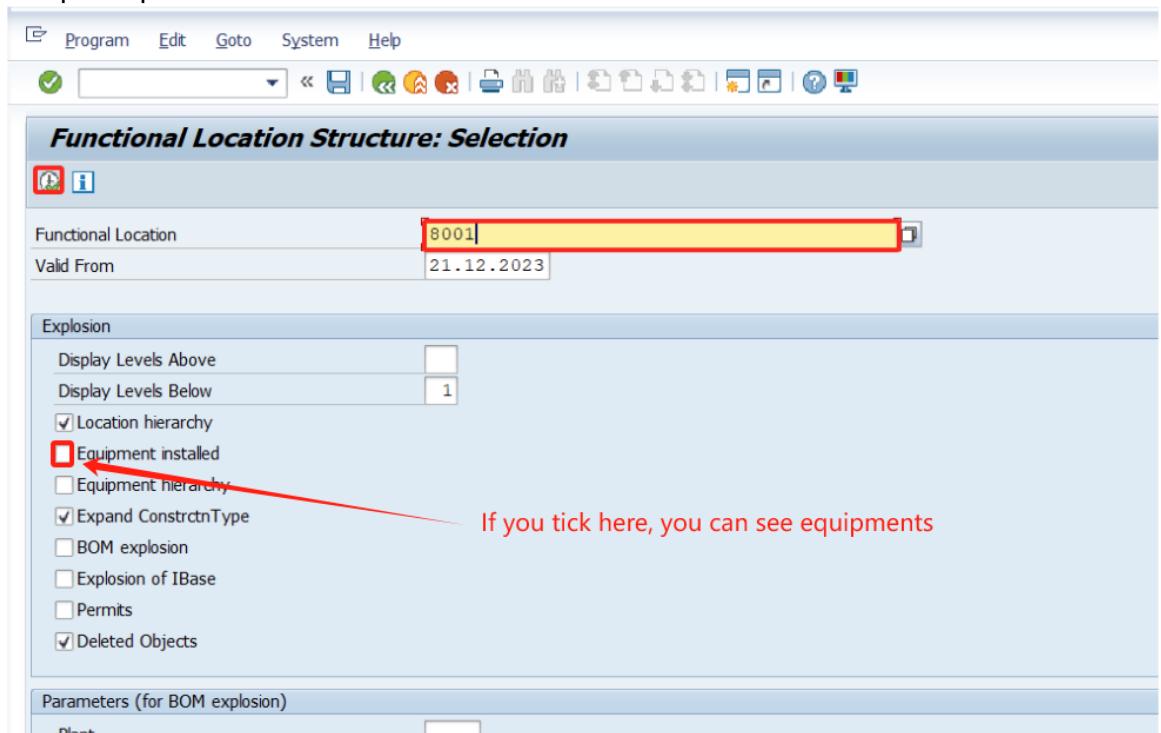


1.4.5 Functional Location Structure

1. Enter the **IH01** T-CODE in the Transaction Tab.
2. Click  button or press Enter.



3. Input superior functional location then click  button and view functional structure.



No	Superior functional location	Description
1	8001	Main plant
2	8011	Primary plant
3	8012	Spinning plant
4	8013	Knitting plant
5	8014	Weaving plant
6	8015	Sewing plant
7	8021	Factory store
8	8022	UB galleria store
9	8023	Darkhan store

4. You can expand and collapse the Functional location structure by clicking on the  and  buttons.
 5. You can see the functional location individually by double-clicking on the functional location number.

Functional Location Structure: Structure List

Functional Location 8001 Valid From 21.12.2023
Description Main plant

Functional Location	Description	Valid From
8001	Main plant	21.12.2023
8001-001	Engineering facility's section	
8001-002	Plumbing unit	
8001-003	Electrical unit	
8001-004	Building unit	
8001-005	Electronic unit	
8001-006	Ventilation unit	
8001-007	Decommissioned-2	
8001-008	Normalization section	
8001-009	Human resource division	
8001-010	Transfer and logistic division	
8001-011	Sewing design division	
8001-012	Marketing division	
8001-013	IT division	
8001-014	Occupational health and safety division	
8001-015	Canteen-Gobi	
8001-016	Kindergarten	
8001-017	Laboratory	
8001-BU	Building unit	
8001-BU-DARK	Darkhan store	
8001-BU-FACT	Factory store	
8001-BU-GOB1	Gobi-1 plant	
8001-BU-GOB1-01	Main plant building	
8001-BU-GOB1-02	New plant buildings	
8001-BU-GOB1-03	Outside buildings	
8001-BU-GOB1-04	Gobi office	
8001-BU-GOB2	Gobi-2 plant	

6. By pressing  button, the functional location information can be changed and saved by pressing  button.

Display Functional Location: Master Data

Classification Measuring points/counters Data origin... AllMeasDocs

Functional loc.	8001-BU-GOBI-02	Cat.	Engineering facilities
Description	New plant buildings		
Status	CRTE	IUSE	

General Location Organization Structure Other

General data

Class	<input type="text"/>		
Object Type	<input type="text"/>		
AuthorizGroup	<input type="text"/>		
Weight	0.000	Size/dimension	<input type="text"/>
Inventory No.	<input type="text"/>	Start-up date	<input type="text"/>

Reference data

AcqisnValue	0.00	Acquisition date	<input type="text"/>
-------------	------	------------------	----------------------

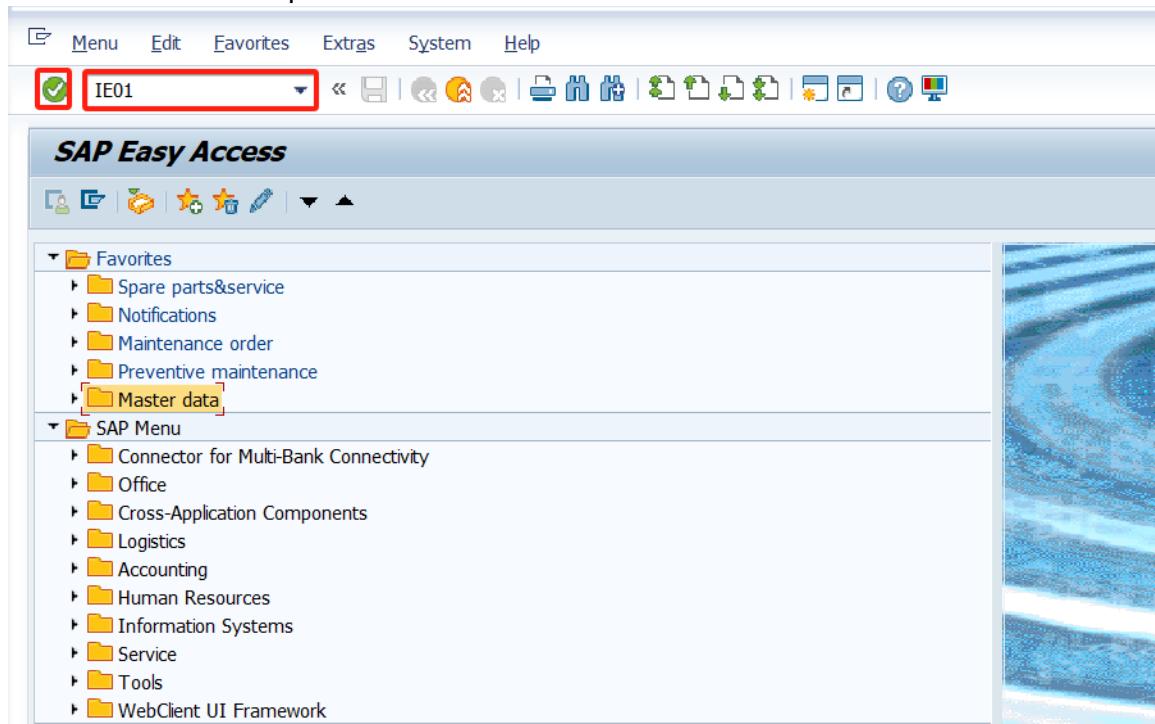
Manufacturer data

Manufacturer	<input type="text"/>	Mfr Ctry/Reg	<input type="text"/>
Model number	<input type="text"/>	Constr.yr/mth	<input type="text"/> / <input type="text"/>
ManufPartNo.	<input type="text"/>		
Manuf. SerialNr	<input type="text"/>		

1.5 Equipment

1.5.1 Create equipment

1. Enter the **IE01** T-CODE in the Transaction Tab.
2. Click button or press Enter.



3. New equipment information must be entered in the fields red bordered in red.

The screenshot shows the 'Create Equipment : General Data' screen. At the top, there are tabs for 'Class overview', 'Measuring points/counters', and 'AllMeasDocs'. Below the tabs, there are several input fields with red borders around them:

- Equipment**: TM0000000001IE
- Description**: Weaving machine
- Status**: INST
- Valid From**: 20.12.2023
- Valid To**: 31.12.9999
- Category**: Production Equipment
- Intern.note**
- IUSE**
- Class**: BB01
- Object Type**
- AuthorizGroup**
- Weight**: 3,000 KG
- Size/dimension**: 1.9*1.2*4.6M
- Inventory No.**
- Start-up date**: 01.01.1997
- AcqisnValue**: 166,029,899.02 MNT
- Acquisition date**: 01.01.1997
- Manufacturer**: Sulzer
- Model number**: P7100 W 190 N 4 SP
- Constr.yr/mth**: 1991 / 06
- ManufPartNo.**
- Manuf. SerialNr**: 129489-91

Below these fields, there are tabs for 'General', 'Location', 'Organization', 'Structure', and 'PRT data'. A red arrow points from the 'Class overview' tab down to the 'Class' field.

Equipment Edit Goto Extras Structure Environment System Help

Class overview Measuring points/counters AllMeasDocs

Equipment TM0000000001IE Category P Production Equipment

Description Weaving machine Intern.note

Status INST IUSE

Valid From 20.12.2023 Valid To 31.12.9999

General Location Organization Structure PRT data

Location data

MaintPlant	8014	Weaving Factory
Room		
Plant Section		
ABC Indic.	B	More attention
Sort Field		

Address

Name	
Street	
Location	
Telephone	Fax

Equipment TM0000000001IE Category P Production Equipment

Description Weaving machine Intern.note

Status INST IUSE

Valid From 20.12.2023 Valid To 31.12.9999

General Location Organization Structure PRT data

Account assignment

Company Code	8000	GOBI JSC	Ulaanbaatar
Business Area			
Asset		/	
Cost Center	8014010005	/ 8000	Weaving-Weaving
WBS Element			
StandgOrder			
SettlementOrder			

Responsibilities

Planning Plant	8001	Main Plant	
Planner Group	WEA	Weaving Plant	
Main WorkCtr	8001WEA	/ 8001	Weaving maintenance unit
Catalog Profile			

DS4(1)/110 Create Equipment : Structure

Create Equipment : Structure

Equipment: TM0000000001IE Category: P Production Equipment

Description: Weaving machine Intern.note

Status: INST IUSE

Valid From: 20.12.2023 Valid To: 31.12.9999

General Location Organization **Structure** PRT data

Structuring

Functional loc.: 8014-001

Description: Weaving workshop

Superord.Equip.

Description

Position

TechIdentNo.

ConstType

4. Click **Class overview** section to open the Classification window.
5. By double-clicking in the Class section and selecting **BB01** from the options, the field for entering equipment characteristic information will be activated.

Assignment Edit Goto Values Extras Environment System Help

Create Equipment : Classification

Object

Equipment: TM0000000001IE Description: Weaving machine

Class Type: 002 BB01 Equipment Class

Assignments

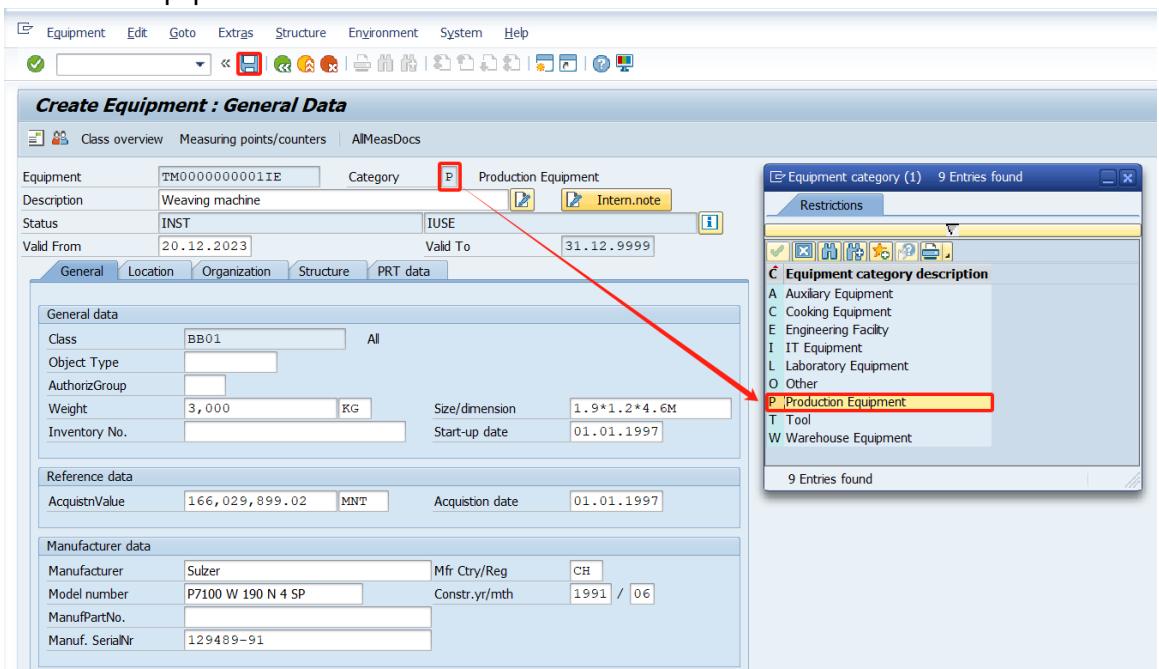
Class	Description	Sta...	S...	Icon	Itm
BB01	All				10

Values for Class BB01 - Object TM0000000001IE

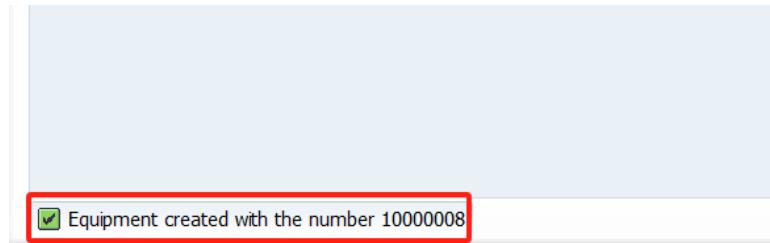
General

Characteristic Description	Value
Output	96 m/d
Working width	1.9 m
Power	5 kWa
Voltage	380 V
Voltage/Sub/	
Air pressure	
Steam pressure	
Gas flow	
Old name /Mongolian/	Зульзэр машин 1900ММ
Spare1	

6. Review equipment information then click and save.

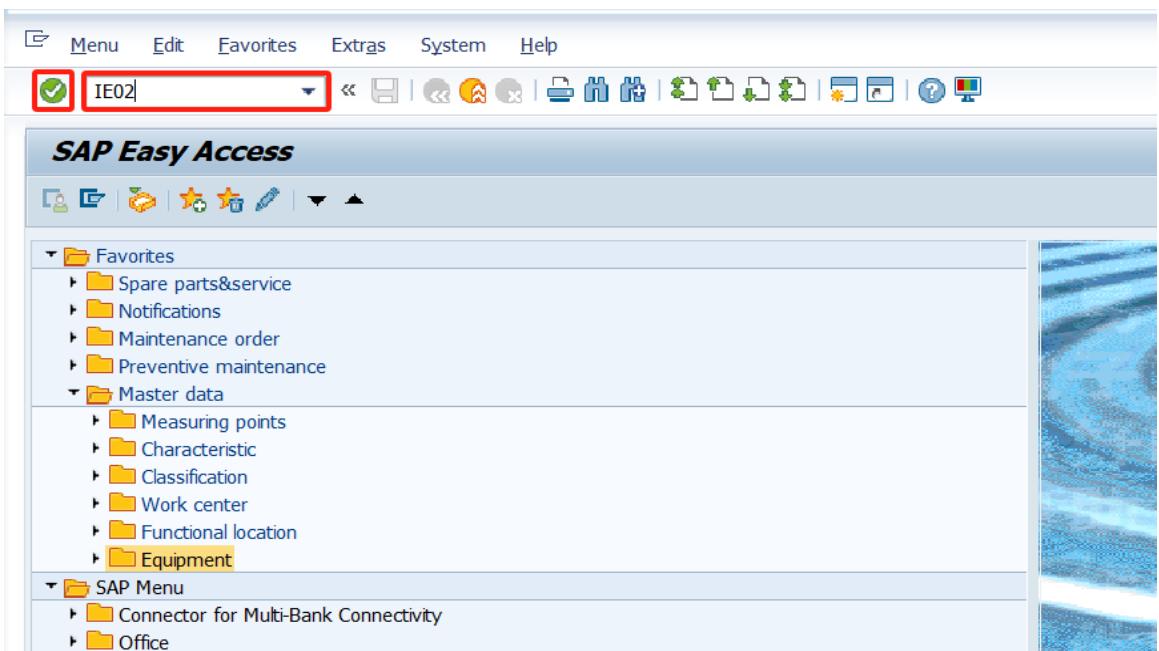


7. A message that the equipment has been created will appear in the lower left corner of the screen.

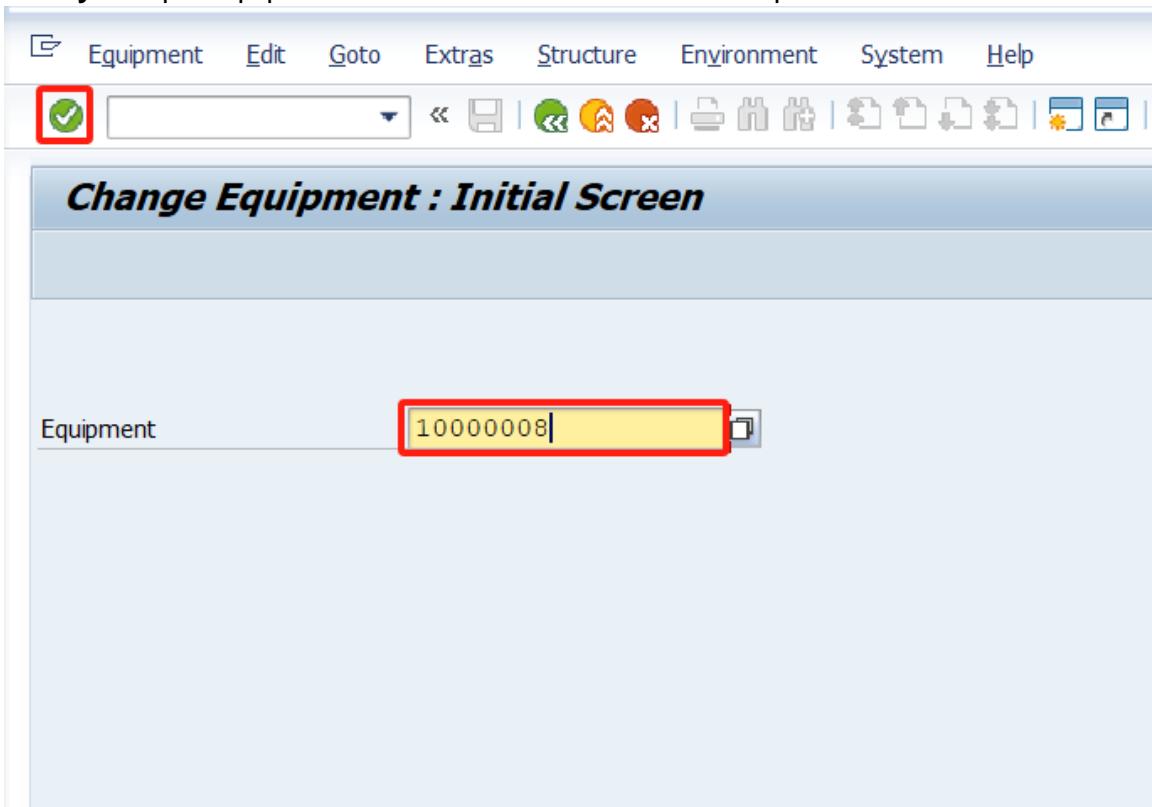


1.5.2 Change Equipment

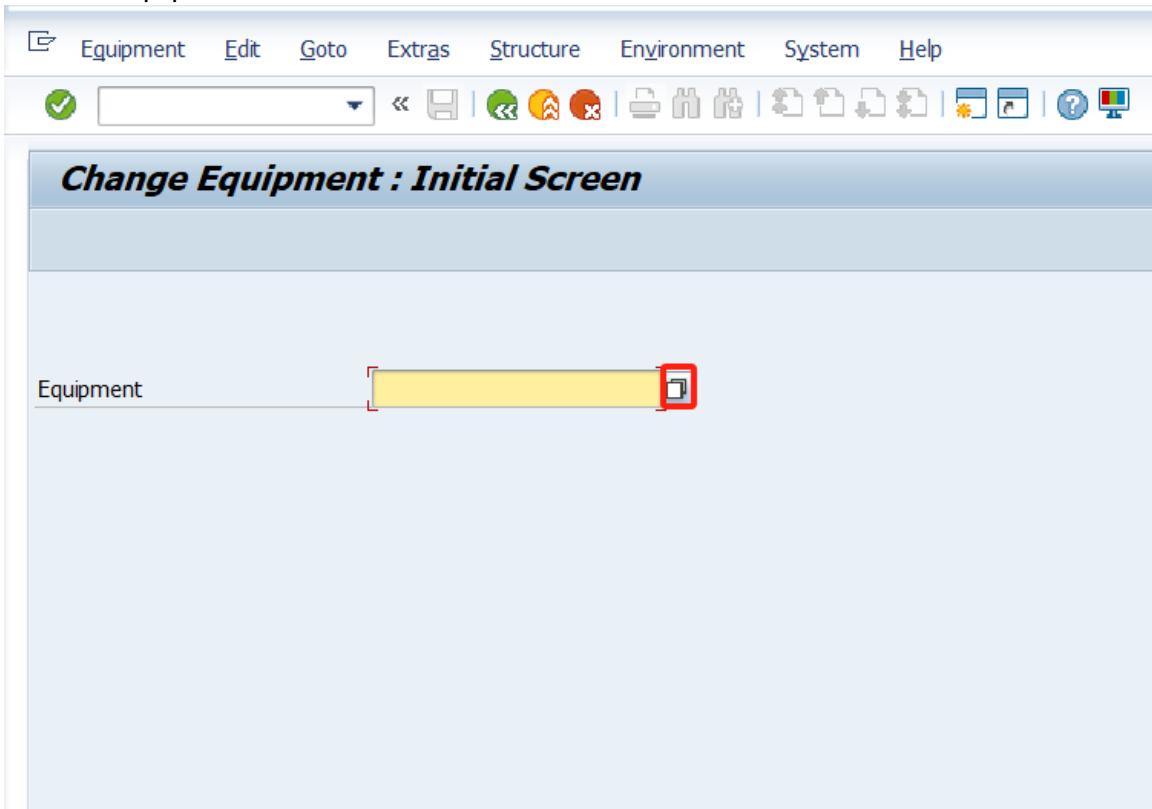
1. Enter the **IE02** T-CODE in the Transaction Tab.
2. Click button or press Enter.



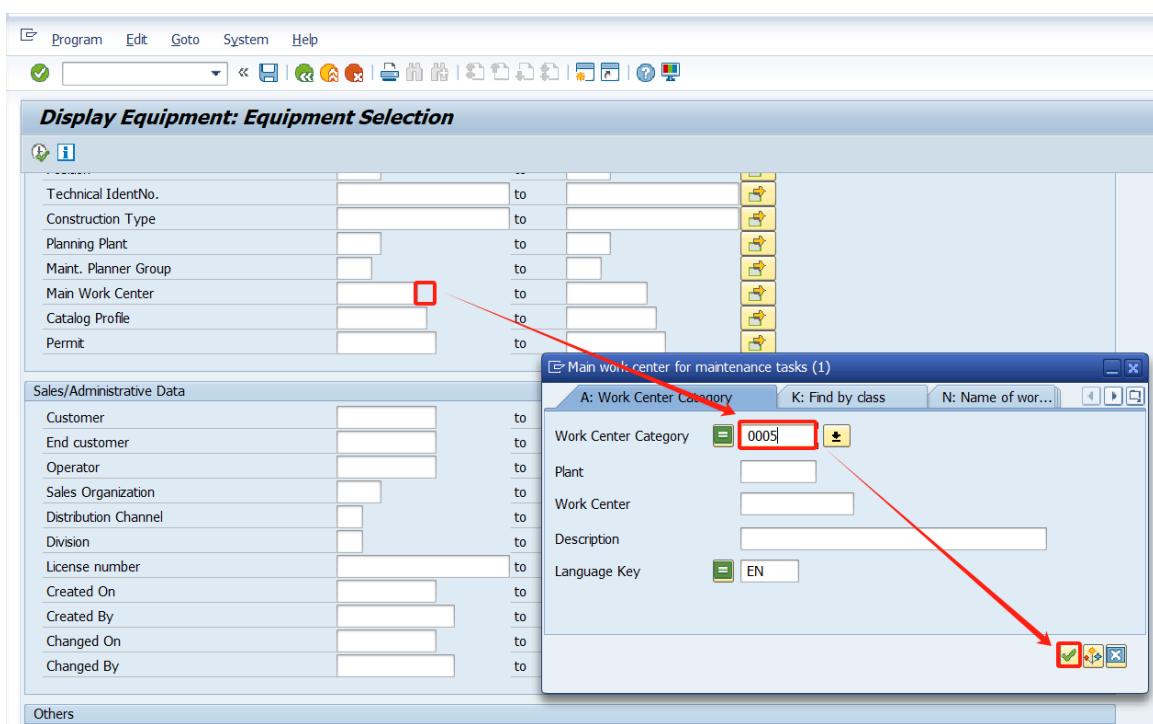
3. **Way-1:** Input equipment number then click  button or press Enter.



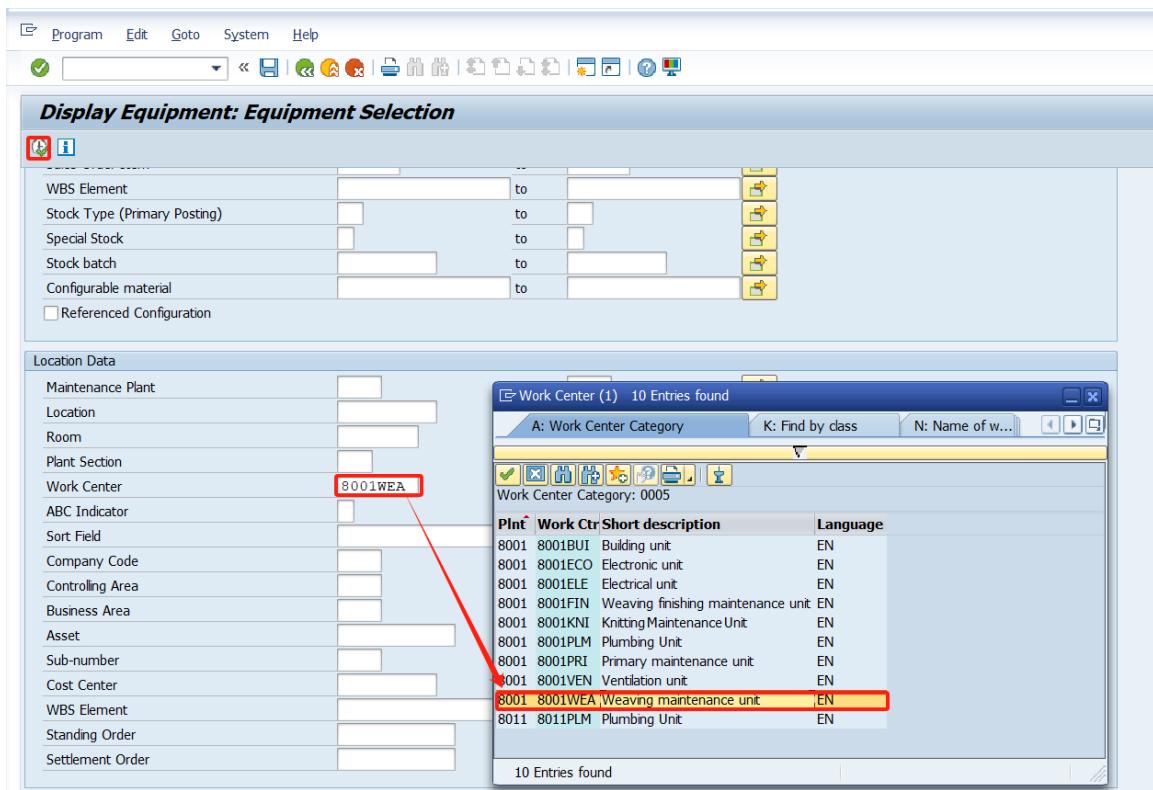
4. **Way-2:** Click  button and select the equipment to be changed by sorting it by work center in the Equipment selection window.



5. Input work center category number then press Enter. /Plant Maintenance work center category number:**0005/**



6. Input work center category number then press Enter. /Plant Maintenance work center category number:**0005**/



7. Select the equipment you want to change and press  button.

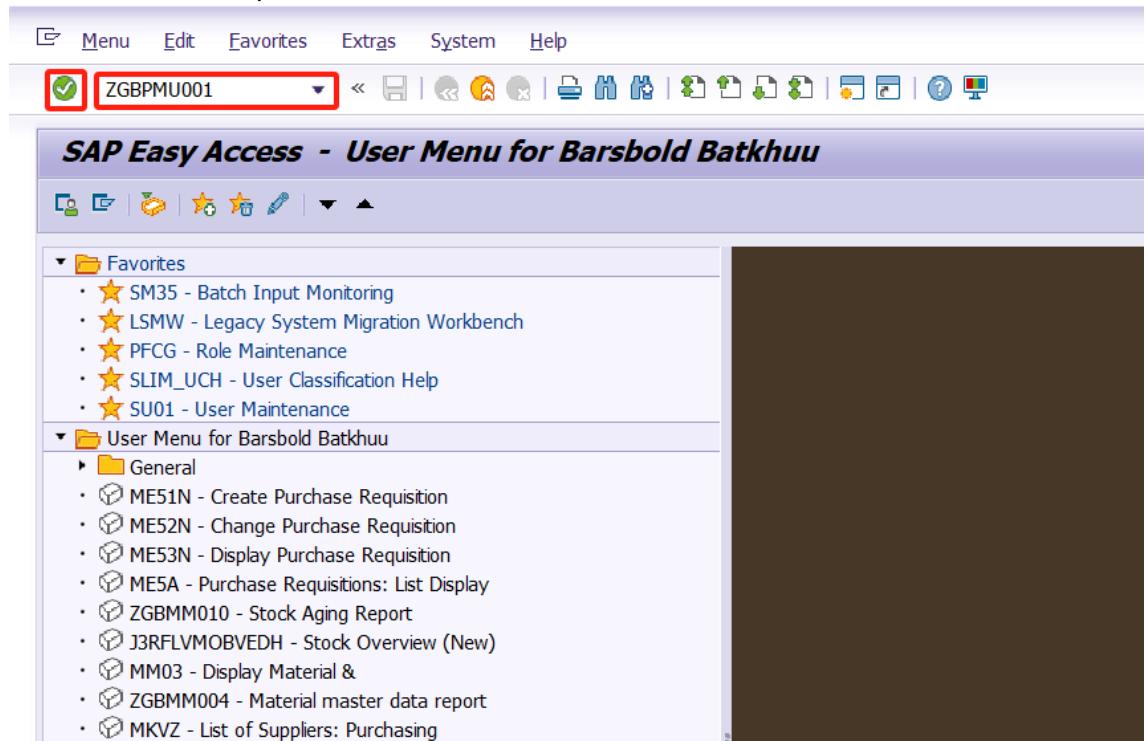
Display Equipment: Equipment List					
	Sel.	Equipment	Description of technical object	Valid To	P/I
		10000003	Brushing machine	31.12.9999	8001
		10000004	Steam ironinig table	31.12.9999	8001
		10000005	Weaving machine	31.12.9999	8001
		10000007	Weaving machine Dornier	31.12.9999	8001
		10000008	Weaving machine	31.12.9999	8001

8. Equipment information can be changed and saved by pressing  button.

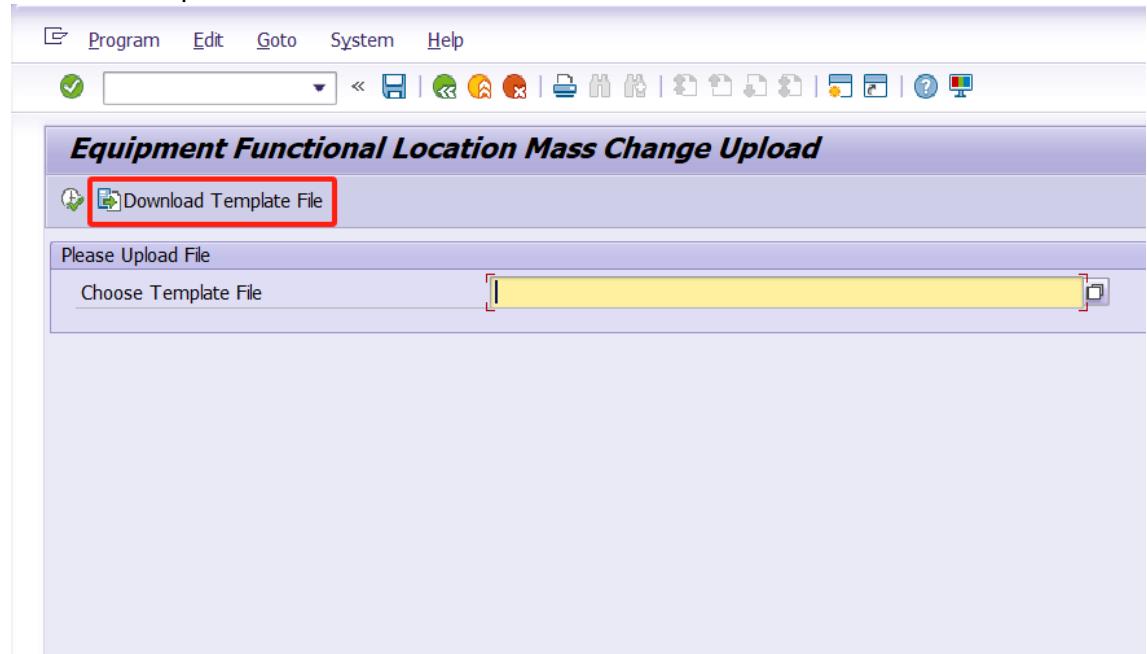
Change Equipment : General Data																																																																																			
Equipment	10000008	Category		Production Equipment																																																																															
Description	Weaving machine																																																																																		
Status	INST			USE																																																																															
Valid From	20.12.2023			Valid To	31.12.9999																																																																														
General	Location	Organization	Structure	PRT data																																																																															
<table border="1"> <tr> <td>General data</td> <td colspan="5"></td> </tr> <tr> <td>Class</td><td>BB01</td> <td>All</td> <td colspan="3"></td> </tr> <tr> <td>Object Type</td><td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>AuthorizGroup</td><td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>Weight</td><td>3,000</td> <td>KG</td> <td>Size/dimension</td><td colspan="2">1.9*1.2*4.6M</td> </tr> <tr> <td>Inventory No.</td><td></td> <td></td> <td>Start-up date</td><td colspan="2">01.01.1997</td> </tr> <tr> <td>Reference data</td><td colspan="5"></td> </tr> <tr> <td>AcquisitnValue</td><td>166,029,899.02</td> <td>MNT</td> <td>Acquisition date</td><td colspan="2">01.01.1997</td> </tr> <tr> <td>Manufacturer data</td><td colspan="5"></td> </tr> <tr> <td>Manufacturer</td><td>Sulzer</td> <td>Mfr Ctry/Reg</td><td>CH</td><td colspan="2"></td> </tr> <tr> <td>Model number</td><td>P7100 W 190 N 4 SP</td> <td>Constr.yr/mth</td><td>1991 / 06</td><td colspan="2"></td> </tr> <tr> <td>ManufPartNo.</td><td></td> <td></td><td></td><td colspan="2"></td> </tr> <tr> <td>Manuf. SerialNr</td><td>129489-91</td> <td></td><td></td><td colspan="2"></td> </tr> </table>						General data						Class	BB01	All				Object Type						AuthorizGroup						Weight	3,000	KG	Size/dimension	1.9*1.2*4.6M		Inventory No.			Start-up date	01.01.1997		Reference data						AcquisitnValue	166,029,899.02	MNT	Acquisition date	01.01.1997		Manufacturer data						Manufacturer	Sulzer	Mfr Ctry/Reg	CH			Model number	P7100 W 190 N 4 SP	Constr.yr/mth	1991 / 06			ManufPartNo.						Manuf. SerialNr	129489-91				
General data																																																																																			
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Weight	3,000	KG	Size/dimension	1.9*1.2*4.6M																																																																															
Inventory No.			Start-up date	01.01.1997																																																																															
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ManufPartNo.																																																																																			
Manuf. SerialNr	129489-91																																																																																		

1.5.3 Mass Change Equipment Functional Location and Cost center

1. Enter the **ZGBPMU001** T-CODE in the Transaction Tab.
2. Click button or press Enter.



3. Download Template file.



4. Input equipment numbers, new functional locations, cost centers and plant numbers.

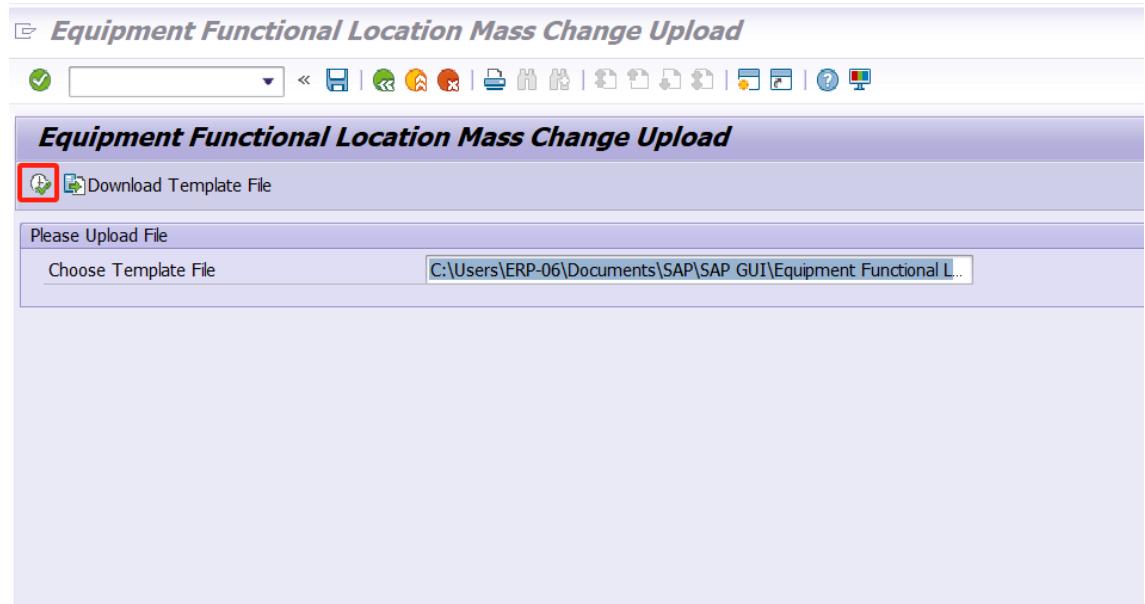
Equipment Functional Location And Cost Center				
	A	B	C	D
Equipment Mass Change Functional Location And Cost Center				
2	Equipment number	Maint Plant	Functional Location	Cost Center
3	10000007	8013	8013-001	8013010004
4	10000085	8011	8011-004	8011010004
5	10001874	8015	8015-001	8015010002
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				

Remark: Planner group and Main work center need to be changed manually one by one.

5. Upload Excel template from SAP folder.

The screenshot shows the SAP GUI interface with the title bar "Program Edit Goto System Help". Below it is a toolbar with various icons. The main area displays a dialog titled "Equipment Functional Location Mass Change Upload". Inside the dialog, there is a section labeled "Please Upload File" with a "Choose Template File" input field. A red square highlights the top-right corner of this input field. A red arrow originates from this highlighted area and points to a file selection dialog box titled "Please upload production order template file". This dialog shows a file tree on the left and a list of files on the right. The file "Equipment Functional Location And Cost ..." is selected, indicated by a red square around its name. At the bottom of the dialog, there are "File name:" and "EXCEL File" dropdowns, and two buttons: "Open" (highlighted with a red box) and "Cancel".

6. Click  button.



7. Finally click on "Mass change".

