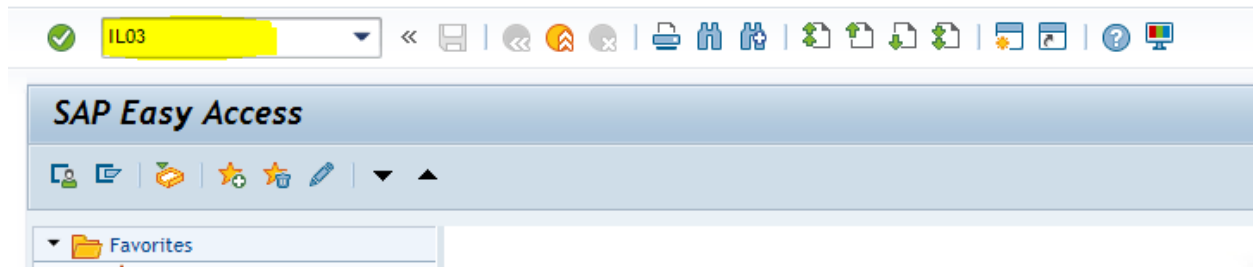


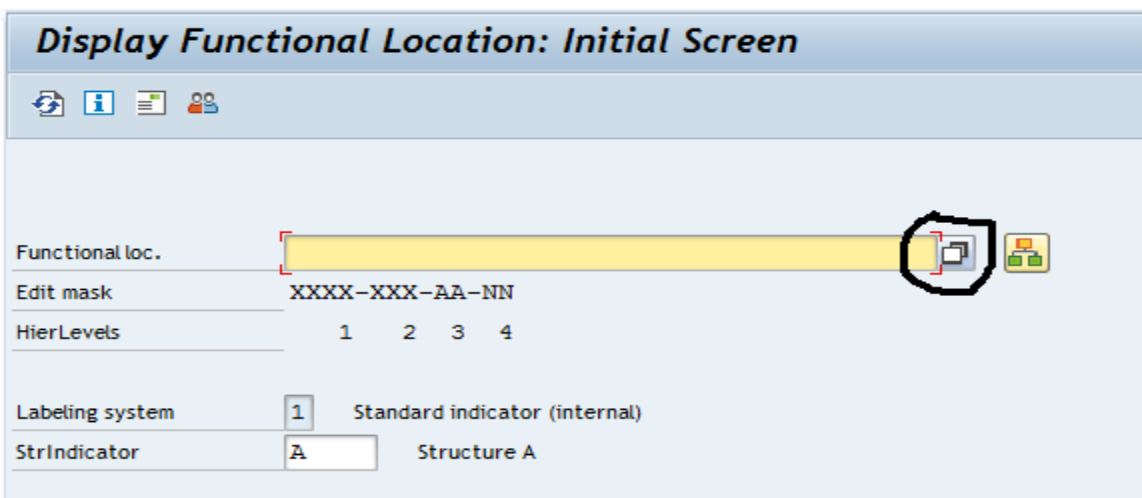
Create/Change Equipment Master Data

1) Displaying List of Equipment master data in Functional Location(Substation or Bay):

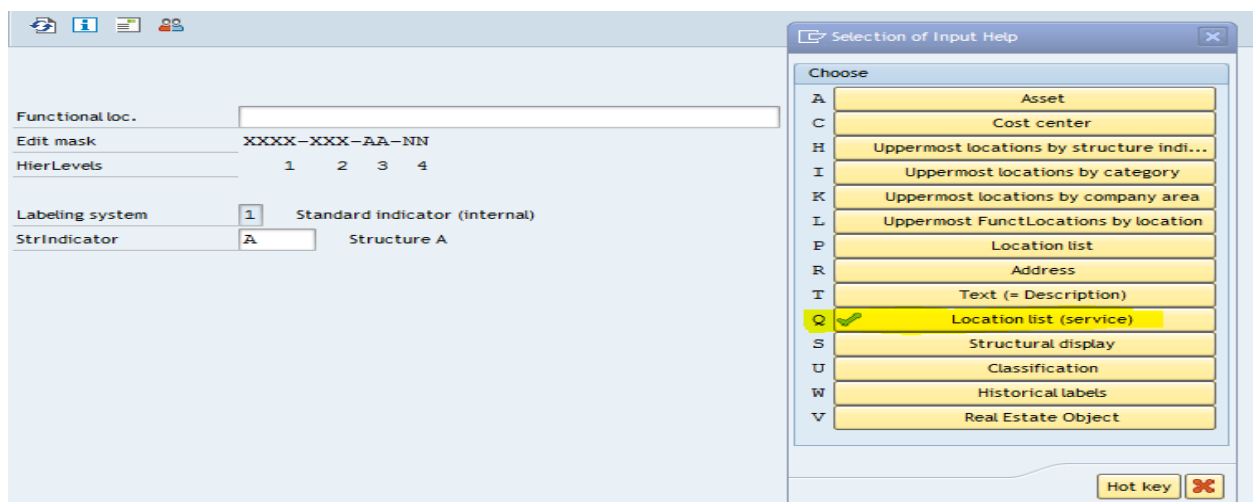
Enter TCODE: **IL03**



Go to search option






In search option, select search criteria as Location list(service)




Give inputs


- 1) Function Location - SS*
- 2) FunctLocDescrip - phrase of letters of substation in between stars
example *peta*
- 3) Click Execute Button

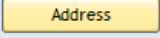

→   

Display Functional Location: Functional Location Selection

FunctionLocation Selection

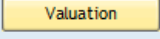

Functional Location to 

Partner 

Selection Profile  Address 


Classification


Class Type ☐ Include Subordinate Classes


Class  Valuation 

Linear Data


Segment to

Start Point to 



End Point to 


Length to 


Unit of Measure


Linear Reference Pattern to 

Maintenance Data

FunctLocDescrip.  to 








































Planning plant to 

Planner group to 

Construction type to 

New screen with list of Substations which consists the word "peta"

Display Functional Location: Functional Location List

✓                                       

Double click on required substation

Display Functional Location: Initial Screen

Functional loc. **SS-220KV-NYPT**

Edit mask XXXX-XXX-AA-NN

HierLevels 1 2 3 4

Labeling system **1** Standard indicator (internal)

StrIndicator **A** Structure A

Then press ENTER - SS details will be displayed in different tabs
GENERAL, LOCATION, ORGANIZATION, STRUCTURE, DOCUMENTS.

Display Functional Location: Master Data

Classification Measuring points/counters Data origin...

Functional loc. **SS-220KV-NYPT** Cat. **M** Technical system - standard

Description **NAIDUPETA-220/132/33KV-SUBSTATION**

Status **CRTE**

General Location Organization Structure Documents

General data

Class

Object type **SS-220/33** SS-220/132/33KV

AuthorizGroup

Weight 0.000

Size/dimension

Inventory no.

Start-up date **19.08.2020**

Reference data

AcquistnValue 0.00 INR

Acquistn date

Manufacturer data

Manufacturer

ManufCountry **IN**

Model number

Constr.yr/mth /

ManufPartNo.

ManufSerialNo.

Click on **Structure List**

Functional location Edit Goto Extras Structure Environment System Help

Display Functional Location: Master Data

Classification Measuring points/counters Data origin...

Functional loc. SS- Structure list (Ctrl+F8) Cat. M Technical system - standard

Description NAIDUPETA-220/132/33KV-SUBSTATION

Status CRTE

Click on ARROW mark for further details








Display Functional Location: Structure List

Levels above Expand whole



Functional Location	SS-220KV-NYPT	Valid From	08.06.2021
Description	NAIDUPETA-220/132/33KV-SUBSTATION		
SS-220KV-NYPT	NAIDUPETA-220/132/33KV-SUBSTATION		
BC-220KV-NYPT-01	BUS COUPLER BAY-220KV-NAIDUPETA-01		
BUS-132KV-NYPT-01	BUS BAY-132KV-NAIDUPETA (220KV) -01		
BUS-220KV-NYPT-01	BUS BAY-220KV-NAIDUPETA-01		
BUS-220KV-NYPT-02	BUS BAY-220KV-NAIDUPETA-02		
BUS-33KV-NYPT-01	BUS BAY-33KV-NAIDUPETA-01		
CR-220KVSS-NYPT-01	CNTRL ROOM-220KV-NAIDUPETA-01		
DG-25KVA-NYPT-01	DG SET-25KVA-NAIDUPETA-01		
FB-132KV-NYPT-GDUR-01	FB-132KV-NAIDUPETA-GUDUR-01		
FB-132KV-NYPT-MNKR-01	FB-132KV-NAIDUPETA-MENAKUR-01		
FB-132KV-NYPT-MNKR-02	FB-132KV-NAIDUPETA-MENAKUR-02		
FB-132KV-NYPT-NDPT-01	FB-132KV-NAIDUPETA-NAIDUPETA (132) -01		
FB-220KV-NYPT-RCGR-01	FB-220KV-NAIDUPETA-RACHAGUNNERI-01		
FB-220KV-NYPT-RCGR-02	FB-220KV-NAIDUPETA-RACHAGUNNERI-02		
ST-33KV/400V-NYPT-01	STATION T/F BAY-33KV/400V-NAIDUPETA-01		
ST-33KV/400V-NYPT-02	STATION T/F BAY-33KV/400V-NAIDUPETA-02		
TB-132/33KV-NYPT-01	PTR BAY-132/33KV-NAIDUPETA (50MVA) -01		
TB-132/33KV-NYPT-02	PTR BAY-132/33KV-NAIDUPETA (80MVA) -02		
TB-132/33KV-NYPT-03	PTR BAY-132/33KV-NAIDUPETA (80MVA) -03		
TB-220/132KV-NYPT-01	PTR BAY-220/132KV [100MVA] -NAIDUPETA-01		
TB-220/132KV-NYPT-02	PTR BAY-220/132KV [100MVA] -NAIDUPETA-02		

List of equipments under particular bay

Display Functional Location: Structure List



Levels aboveExpand whole



Functional Location



SS-220KV-NYPT

Valid From



08.06

Description



NAIDUPETA-220/132/33KV-SUBSTATION





SS-220KV-NYPT





BC-220KV-NYPT-01





BUS-132KV-NYPT-01





BUS-220KV-NYPT-01





10058524





10070495



10058521



10058522



BUS-220KV-NYPT-02

NAIDUPETA-220/132/33KV-SUBSTATION

BUS COUPLER BAY-220KV-NAIDUPETA-01

BUS BAY-132KV-NAIDUPETA (220KV) -01

BUS BAY-220KV-NAIDUPETA-01

220 KV 2 WDG PT

20KV 800A TPDB ISOLATOR W/O E/S

220 KV 2 WDG PT

220 KV 2 WDG PT

BUS BAY-220KV-NAIDUPETA-02

Double click on Equipment number to see the equipment details

Display Equipment : General

68

General

Location

Organization

Structure

SerData

Warranty & Documents

Equipment

10058524

Category

M

Machines

Description

220 KV 2 WDG PT

Status

INST

Valid From

23.04.2021

Valid To

31.12.9999

General data

Class

PT-POTENTIAL-TRFR

PT-POTENTIAL TRANSFORMER

Object type

PT 220KV

220KV PT

AuthorizGroup

Weight

0

KG

Size/dimension

Inventory no.

Start-up date

08.09.2020

Reference data

AcquistnValue

0.00

Acquistion date

Manufacturer data

Manufacturer

MEHRU

ManufCountry

Model number

Constr.yr/mth

2018 /

ManufPartNo.

ManufSerialNo.

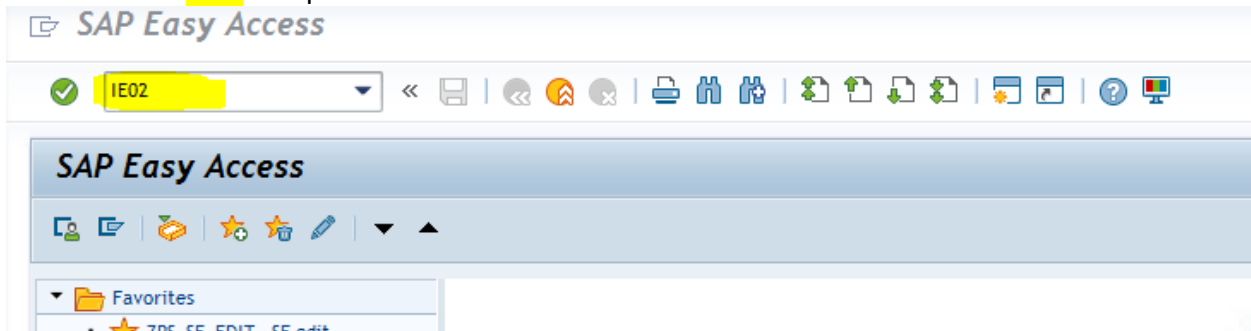
OP8461/16/4/18

Equipment View process completed.

2) Dismantling an EQUIPMENT from SS

TCODE- IE02

Enter T-CODE **IE02** and press enter



Give equipment number and press ENTER Button

The screenshot shows the 'Change Equipment : General' form in SAP. The form is divided into several sections: General data, Reference data, and Manufacturer data. The equipment number '10058524' is entered in the 'Equipment' field. The 'Description' field contains '220 KV 2 WDG PT'. The 'Status' is 'INST'. The 'Valid From' date is '23.04.2021' and the 'Valid To' date is '31.12.9999'. The 'Class' is 'PT-POTENTIAL-TRFR' and the 'Object type' is 'PT 220KV'. The 'Manufacturer' is 'MEHRU' and the 'Model number' is 'OP8461/16/4/18'. The 'Start-up date' is '08.09.2020'. The 'Acquisition date' is '2018'.

General data	
Class	PT-POTENTIAL-TRFR PT-POTENTIAL TRANSFORMER
Object type	PT 220KV 220KV PT
AuthorizGroup	
Weight	KG
Inventory no.	
Size/dimension	
Start-up date	08.09.2020

Reference data	
AcquistnValue	
Acquisition date	

Manufacturer data	
Manufacturer	MEHRU
Model number	OP8461/16/4/18
ManufCountry	
Constr.yr/mth	2018 /
ManufPartNo.	
ManufSerialNo.	

Go to STRUCTURE TAB and Click **CHANGE INSTLOC** Symbol

The screenshot shows the 'Change Equipment : Structure' window. The 'Structure' tab is selected. The 'Structuring' section contains the following fields:

Field	Value
Equipment	10058524
Category	M
Machines	
Description	220 KV 2 WDG PT
Status	INST
Valid From	23.04.2021
Valid To	31.12.9999
Functional loc.	BUS-220KV-NYPT-01
Description	BUS BAY-220KV-NAIDUPETA-01
Superord.Equip.	
Position	B-PH
TechIdentNo.	
ConstType	10001326
	220 KV 2 WDG PT

The 'Change InstLoc' button is highlighted with a yellow box and a red arrow.

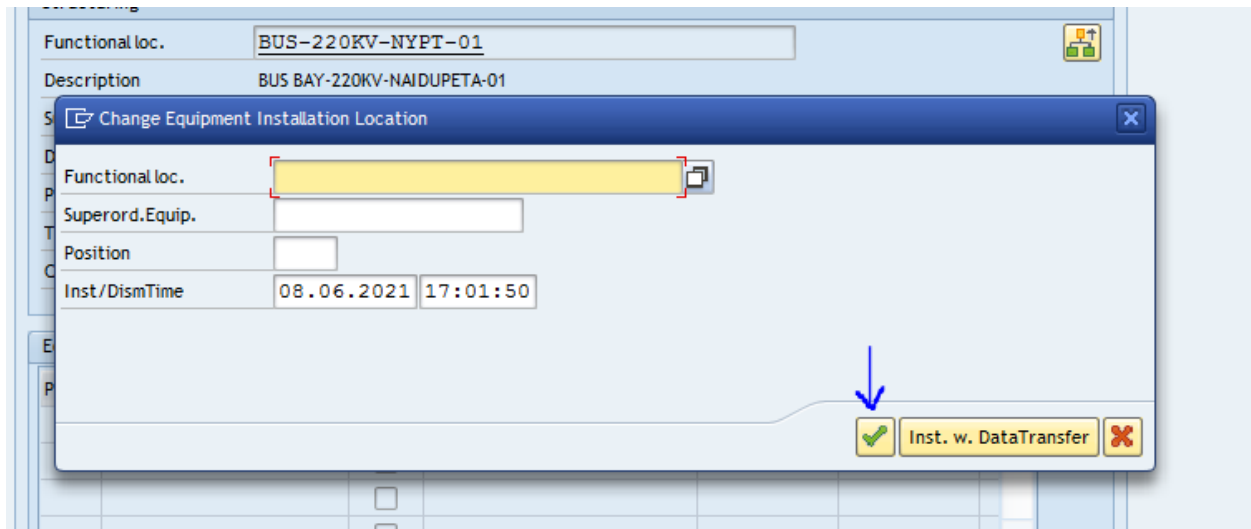
Click on DISMANTLE button

The screenshot shows the 'Change Equipment : Structure' window. The 'Structure' tab is selected. The 'Structuring' section contains the following fields:

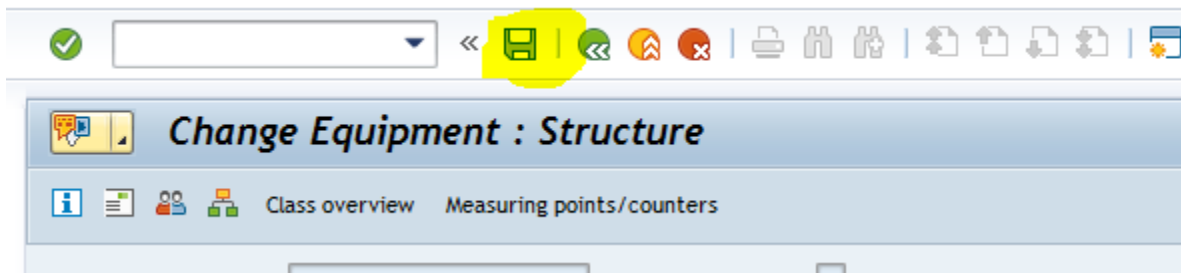
Field	Value
Equipment	10058524
Category	M
Machines	
Description	220 KV 2 WDG PT
Status	INST
Valid From	23.04.2021
Valid To	31.12.9999
Functional loc.	BUS-220KV-NYPT-01
Description	BUS BAY-220KV-NAIDUPETA-01
Superord.Equip.	
Position	B-PH
TechIdentNo.	
ConstType	10001326
	220 KV 2 WDG PT

The 'Disassemble' button is highlighted with a yellow box and a red arrow.

Click on TICK mark



Then SAVE



Note: change of Manufacturing Serial number, Year of manufacturing, Manufacturer , Date of commissioning and etc.... can be changed in this same process.

Dismantling/Change of Equipment Process is completed.

3) Creation of New Equipment consists two types.

A) Serialized equipment.

B) Non-Serialized Equipment.

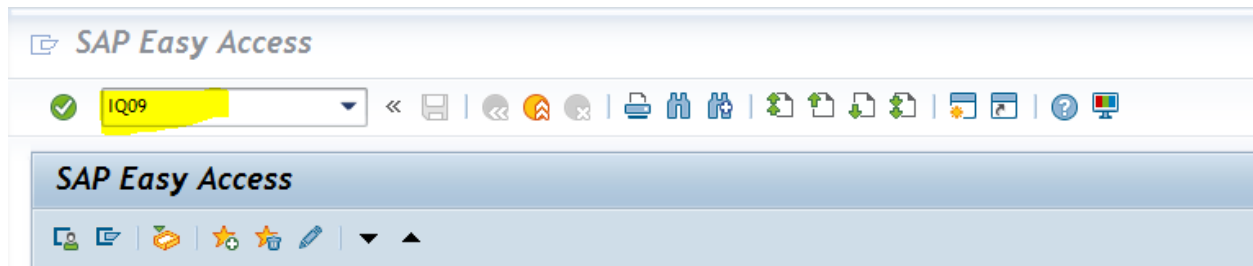
A) Serialized Material:

For Serialized materials equipment numbers will be generated at the time of goods receipt from the purchase order.

Finding Equipment Number

T-CODE: **IQ09**

Enter T-CODE IQ09 and press enter



The screenshot shows the SAP Easy Access interface. At the top, there is a search bar with the text "IQ09" entered. Below the search bar, there is a toolbar with various icons. The main area of the interface is titled "SAP Easy Access" and contains a list of icons for different SAP functions.

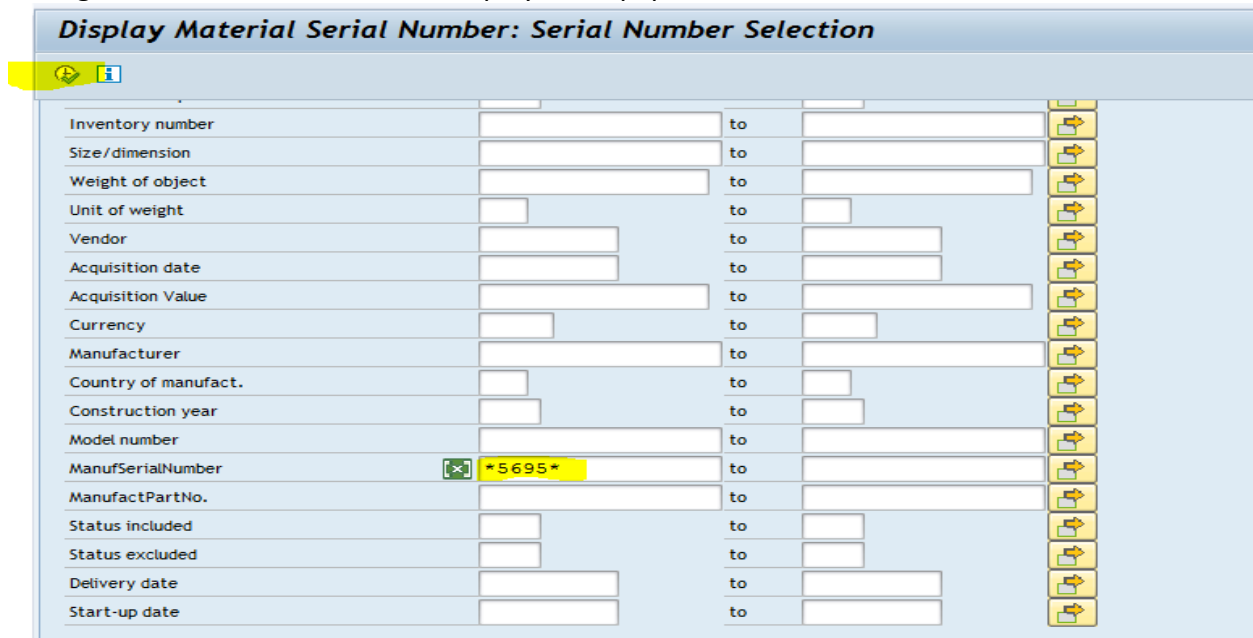
Here give manufacturing serial number in the field "ManufSerialNumber" of General Data section.

Give the manufacturing serial number between * *

then click on EXECUTE Button.

Example : If manufacturing serial number is 5695/31

Then give *5695* and execute , it displays all equipments which consists 5695



The screenshot shows the "Display Material Serial Number: Serial Number Selection" dialog box. It contains a table with various fields for selecting equipment. The "ManufSerialNumber" field is highlighted with a yellow background and contains the text "*5695*".

Field	Value	to	Field	Value
Inventory number		to		
Size/dimension		to		
Weight of object		to		
Unit of weight		to		
Vendor		to		
Acquisition date		to		
Acquisition Value		to		
Currency		to		
Manufacturer		to		
Country of manufact.		to		
Construction year		to		
Model number		to		
ManufSerialNumber	*5695*	to		
ManufactPartNo.		to		
Status included		to		
Status excluded		to		
Delivery date		to		
Start-up date		to		

Display Material Serial Number: Serial Number List

Layout for Characteristics

Material	Serial Number	Plant	Storage Location	ManufactSerialNumber	WBS element	WBS Serial Data	Work Ctr	S	Syst Status
10003108	230110	5104	K510	225695		SI-13-07-02-2-01-01			In the warehouse
10000024	11			BBL-5695/01			MNT		Installed
10000024	12	5107	B512	BBL-5695/02		AG-16-02-01-3-02-01	MNT		Installed
10000024	13	5107	B512	BBL-5695/03		AG-16-01-02-3-02-01	MNT		Installed
10000024	14	5116	V529	BBL-5695/04		AG-17-04-09-1-01			In the warehouse
10000024	15	5116	V058	BBL-5695/05		AG-15-03-01-3-02	MNT		Installed
10000024	16			BBL-5695/06			MNT		Installed
10000024	17			BBL-5695/07			MNT		Installed
10000024	18	5109	V044	BBL-5695/12		AG-18-01-09-1-01	MNT		Installed
10000024	23	5109	V033	BBL-5695/13		AG-18-01-10-1-01	MNT		Installed
10000024	24			BBL-5695/14			MNT		Installed
10000024	86929			BBL-5695/16			MNT		Installed
10000024	86930	5107	B035	BBL-5695/17		AG-16-02-04-3-01-02	MNT		Installed
10000024	86931	5110	K305	BBL-5695/08		AG-19-01-02-1-01			Available
10000024	86932			BBL-5695/10			MNT		Installed
10000024	86933			BBL-5695/19					Available
10000024	86936			5695/27					Available
10000024	86937	5105	B004	5695/15		AG-19-08-08-1-01-01	MNT		Installed
10000024	86938			5695/26					Available
10000024	86939			5695/18			MNT		Installed
10000024	86940			5695/24					Available
10000024	86946			5695/21					Available
10000024	86947			5695/20			MNT		Installed
10000024	86948	5105	B059	5695/09		AG-19-02-05-1-01-01			In the warehouse

Select the appropriate equipment that belongs to yours, by verifying the Status. Status should be in "AVAILABLE".

Then Double click on SERIAL NUMBER to go to the EQUIPMENT view

Display Material Serial Number: Serial Number List

Layout for Characteristics

Material	Serial Number	Plant	Storage Location	ManufactSerialNumber	WBS element	WBS Serial Data	Work Ctr	S	Syst Status
10003108	230110	5104	K510	225695		SI-13-07-02-2-01-01			In the warehouse
10000024	11			BBL-5695/01			MNT		Installed
10000024	12	5107	B512	BBL-5695/02		AG-16-02-01-3-02-01	MNT		Installed
10000024	13	5107	B512	BBL-5695/03		AG-16-01-02-3-02-01	MNT		Installed
10000024	14	5116	V529	BBL-5695/04		AG-17-04-09-1-01			In the warehouse
10000024	15	5116	V058	BBL-5695/05		AG-15-03-01-3-02	MNT		Installed
10000024	16			BBL-5695/06			MNT		Installed
10000024	17			BBL-5695/07			MNT		Installed
10000024	18	5109	V044	BBL-5695/12		AG-18-01-09-1-01	MNT		Installed
10000024	23	5109	V033	BBL-5695/13		AG-18-01-10-1-01	MNT		Installed
10000024	24			BBL-5695/14			MNT		Installed
10000024	86929			BBL-5695/16			MNT		Installed
10000024	86930	5107	B035	BBL-5695/17		AG-16-02-04-3-01-02	MNT		Installed
10000024	86931	5110	K305	BBL-5695/08		AG-19-01-02-1-01			Available
10000024	86932			BBL-5695/10			MNT		Installed
10000024	86933			BBL-5695/19					Available

Click on Change/Display

Display Equipment : SerNo.Detail

Equipment: 10064885 Category: Machines

Description: 50MVA 132/33KV POWER TRANSFORMER

Status: AVLB

Valid From: 25.02.2020 Valid To: 31.12.9999

General Location Organization Structure SerData Warranty & Documents

General

Material: 10000024 50MVA 132/33KV POWER TRANSFORMER

Serial Number: 86931

Last SerialNo: 86982

Stock information

Stock type: 01 Project stock

Plant: 5110 SE/O&M/Kurnool

StorageLocation: K305 ADE EHTLNandya

Stock batch: NEW

Special stock: Q Project stock

Customer: / 0

Vendor: AG-19-01-02-1-01

WBS element: AG-19-01-02-1-01

Company Code: 3000

Date L.GoodsMvt:

History

Then go to the general tab

You can change the **description** i.e PTR-1 or PTR -2,

Give **CLASS, OBJECT TYPE, START-UP DATE, MANUFACTURER, CONST.YR**(Year of manufacturing)

Change Equipment : General

Class overview Measuring points/counters

Equipment Category Machines

Description

Status

Valid From Valid To

General Location ☐ Organization Structure ☐ SerData Warranty & Documents

General data

Class

Object type

AuthorizGroup

Weight KG Size/dimension

Inventory no. Start-up date

Reference data

AcquistnValue Acquisition date

Manufacturer data

Manufacturer ManufCountry

Model number Constr.yr/mth

ManufPartNo.

ManufSerialNo.

Click on **Class Overview**

Create Equipment : General

Class overview Measuring points/counters

Equipment Category Machines

Description

Status

Valid From Valid To

General Location ☐ Organization Structure ☐ SerData Warranty & Documents

Click on list

Create Equipment : Classification

Object

Equipment: TM00000000001IE 132/33KV,50MVA PTR-II

Class Type: 002 Equipment Class

Assignments

Class	Description	Sta...	S...	Icon	Itm
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			

Entry / 12

In search criteria : Find via class number ----> Enter class type 002 and press enter

Create Equipment : Classification

Class number (2)

A: Find via keyword B: Find via class number C: Find via class group D: Fin...

Class Type: 002

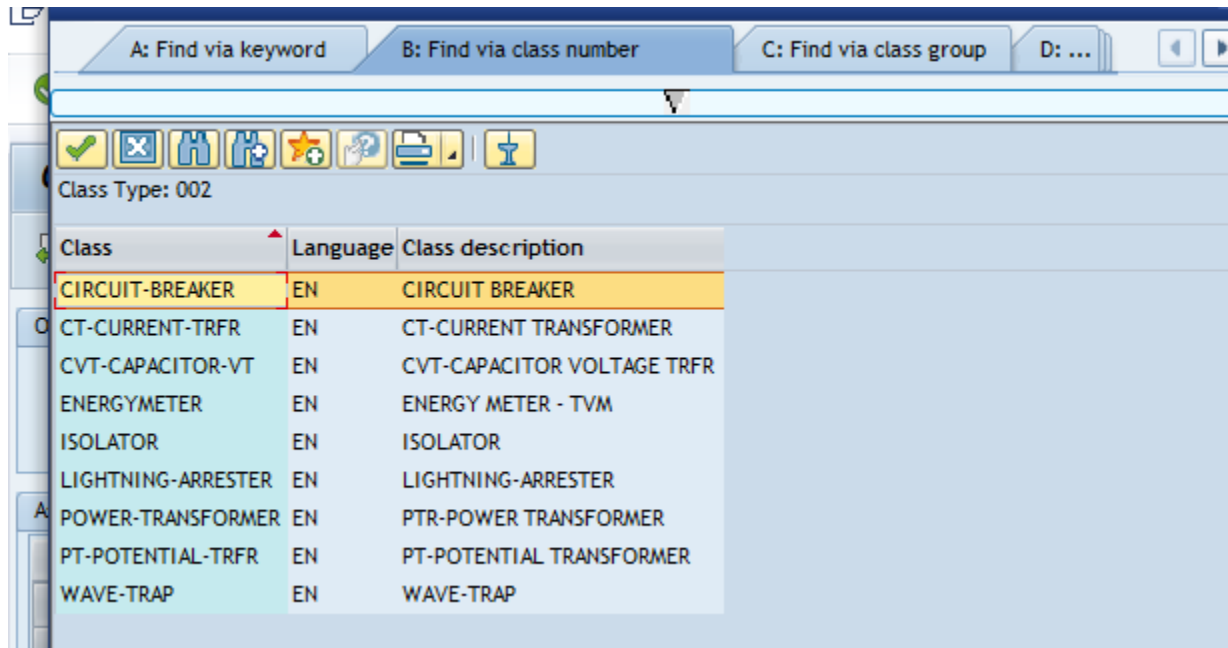
Class:

Language Key: EN

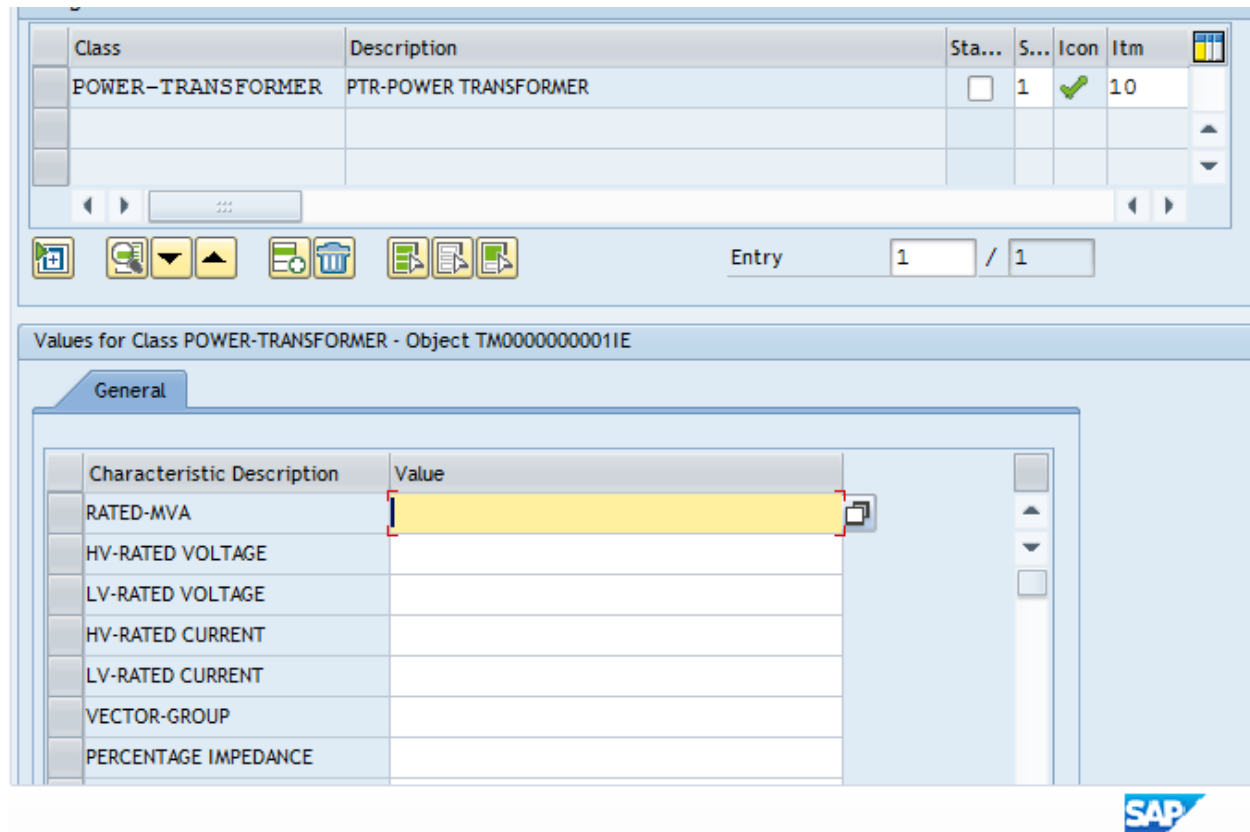
Class description:

Maximum No. of Hits: 500

Select required class and press enter



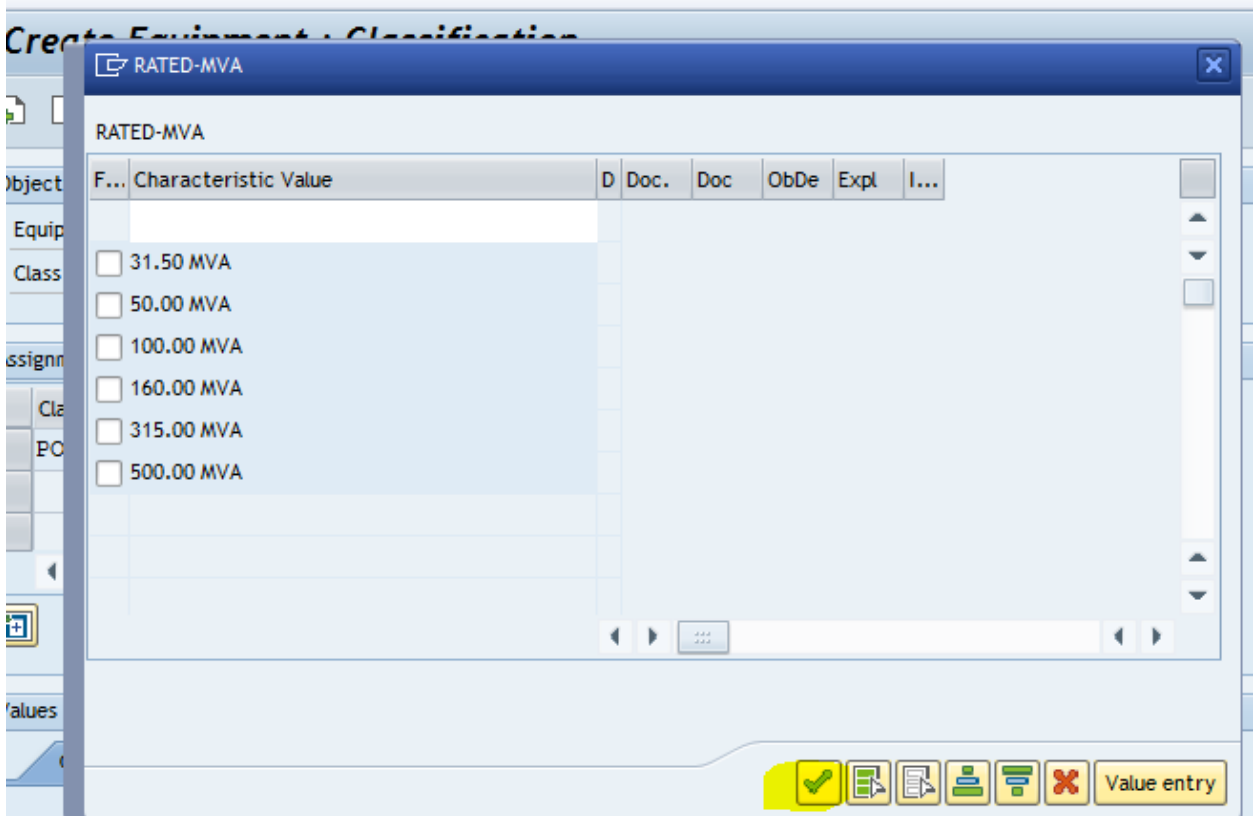
Enter the details



Press **Back button**



Note: If some of the details are not entered, then it will ask to enter by populating a window then press **green tick** until the main screen appears.



In GENERAL tab Enter

Object Type : by selecting from the list ,
Start-Up-date : Date of commission,
Manufacturer, Constr.yr, ManufSerialNo

General		Location		Organization		Structure		SerData		Warranty & Documents	
General data											
Class	POWER-TRANSFORMER			PTR-POWER TRANSFORMER							
Object type											
AuthorizGroup											
Weight				Size/dimension							
Inventory no.				Start-up date							
Reference data											
AcquistnValue				Acquisition date							
Manufacturer data											
Manufacturer				ManufCountry							
Model number				Constr.yr/mth							
ManufPartNo.											
ManufSerialNo.											

Go to **Location** tab and enter **Main Plant**

Create Equipment : Location

Class overview		Measuring points/counters			
Equipment	TM0000000001IE		Category	M	Machines
Description	132/33KV,50MVA PTR-II				
Status	AVLB				
Valid From	19.07.2021		Valid To	31.12.9999	
<div> <div>General</div> <div>Location</div> <div>Organization</div> <div>Structure</div> <div>SerData</div> <div>Warranty & Documents</div> </div>					
Location data					
MaintPlant					
Location					
Room					
Plant section					
Work center					
ABC indic.					
Sort field					
Address					

Then Go to **Structure** Tab, and click on **Triangle symbol**

The screenshot shows a software interface for equipment management. At the top, there are fields for 'Equipment' (TM0000000001IE), 'Category' (M), and 'Machines'. Below these are 'Description' (132/33KV,50MVA PTR-II), 'Status' (AVLB), 'Valid From' (19.07.2021), and 'Valid To' (31.12.9999). A tabbed menu at the bottom includes 'General', 'Location', 'Organization', 'Structure' (which is highlighted in green), 'SerData', and 'Warranty & Documents'. The 'Structure' tab contains a 'Structuring' section with fields for 'Functional loc.', 'Description', 'Superord.Equip.', 'Position', 'TechIdentNo.', and 'ConstType'. A yellow highlight is placed over a triangle icon in the top right corner of the 'Structuring' section.

Give **Functional loc.**, in which the equipment is to be installed i.e either feeder bay or Transformer bay or Control room etc..... and press **green tick**.

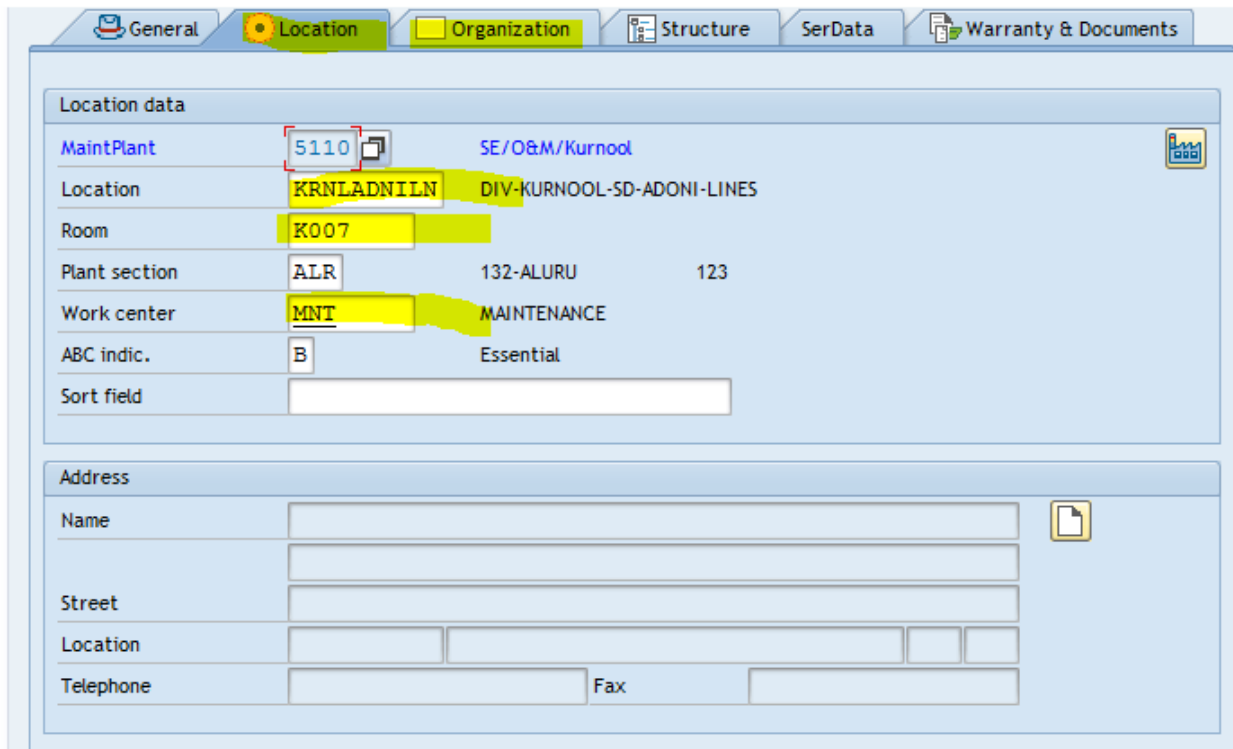
Note: Function location can be copied from the T-code IL03 as explained above.

This screenshot shows a dialog box titled 'Change Equipment Installation Location'. It contains fields for 'Functional loc.' (TB-132/33KV-KDRI-03), 'Superord.Equip.', 'Position', and 'Inst/DismTime' (19.07.2021 00:00:00). At the bottom right, there is a green checkmark icon and a button labeled 'Inst. w. DataTransfer'.

Now check the details of other tabs

LOCATION & ORGANIZATION

in which some of the details are automatically fetched from the given Functional Location.



The screenshot shows the SAP 'Location & Organization' tab. The 'Location data' section contains the following fields:

Field	Value	Description
MaintPlant	5110	SE/O&M/Kurnool
Location	KRNLDN1LN	DIV-KURNOOL-SD-ADONI-LINES
Room	K007	
Plant section	ALR	132-ALURU 123
Work center	MNT	MAINTENANCE
ABC indic.	B	Essential
Sort field		

The 'Address' section contains the following fields:

Field	Value
Name	
Street	
Location	
Telephone	
Fax	

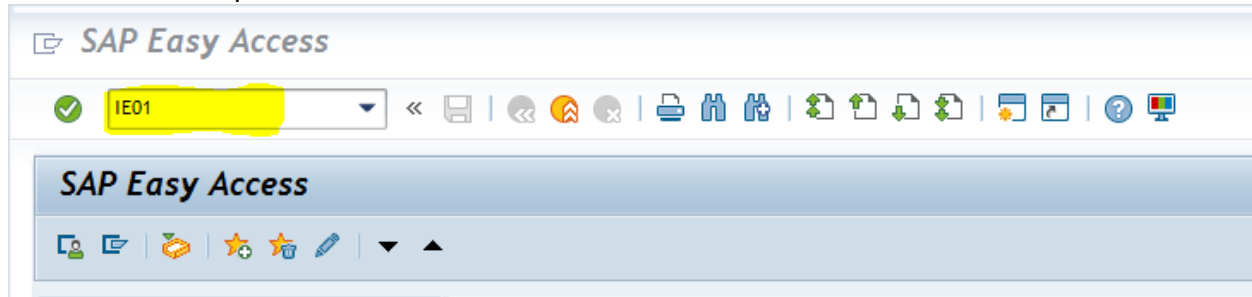
NOW SAVE

If the manufacturing serial number is not found in IQ09 then you can follow the Non-Serialized process using IE01 as follows.

B) Non-Serialized equipment.

T-CODE: IE01

Enter T-code and press enter

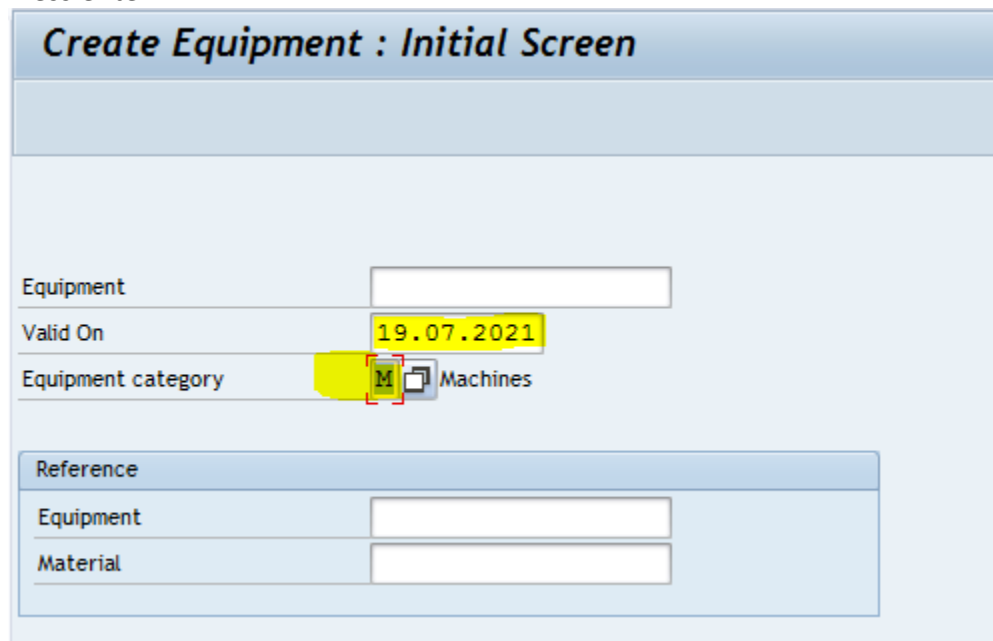


The screenshot shows the SAP Easy Access interface. At the top, the title bar reads "SAP Easy Access". Below it, a search field contains the text "IE01" and is highlighted in yellow. To the right of the search field are several icons for navigation and actions. Below the search field, there is another section titled "SAP Easy Access" with a set of icons for user management and other functions.

Give Valid on: Date of commission date,

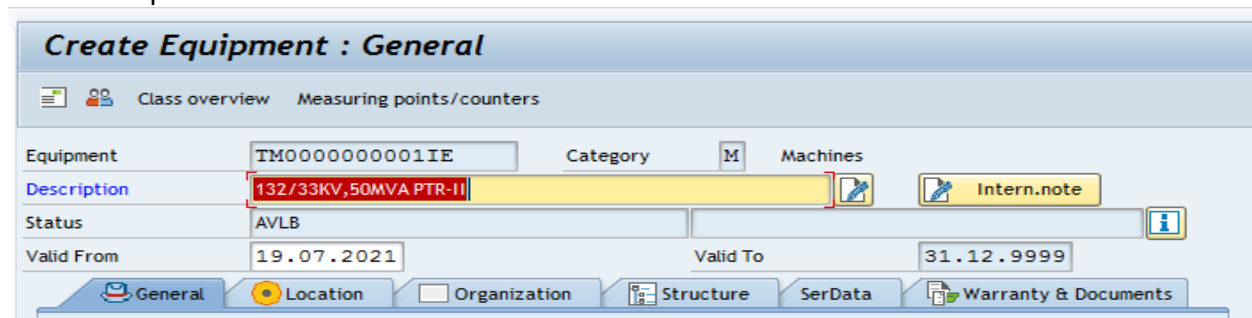
Equipment Category : M

Press enter



The screenshot shows the "Create Equipment : Initial Screen" in SAP. The title bar reads "Create Equipment : Initial Screen". Below the title bar, there are several input fields. The "Equipment" field is empty. The "Valid On" field contains the date "19.07.2021" and is highlighted in yellow. The "Equipment category" field contains the letter "M" and is highlighted in yellow, with a dropdown menu showing "Machines". Below these fields, there is a section titled "Reference" with two input fields: "Equipment" and "Material", both of which are empty.



Give Description





The screenshot shows the "Create Equipment : General" screen in SAP. The title bar reads "Create Equipment : General". Below the title bar, there are several input fields. The "Equipment" field contains the text "TM0000000001IE". The "Category" field contains the letter "M" and is highlighted in yellow, with a dropdown menu showing "Machines". The "Description" field contains the text "132/33KV,50MVA PTR-II" and is highlighted in yellow. The "Status" field contains the text "AVLB". The "Valid From" field contains the date "19.07.2021". The "Valid To" field contains the date "31.12.9999". At the bottom of the screen, there are several tabs: "General", "Location", "Organization", "Structure", "SerData", and "Warranty & Documents".


Click on **Class Overview**

Create Equipment : General






  **Class overview** Measuring points/counters

Equipment Category Machines

Description   Intern.note



Status 

Valid From Valid To

 General  Location ☐ Organization  Structure  SerData  Warranty & Documents


Click on list

Create Equipment : Classification










Object

Equipment 132/33KV,50MVA PTR-II

Class Type  Equipment Class

Assignments



Class	Description	Sta...	S...	Icon	Itm
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			

Entry / 12

In search criteria : Find via class number ----> Enter class type 002 and press enter



Create Equipment : Classification



Class number (2)


A: Find via keyword B: Find via class number C: Find via class group D: Fin...

Class Type

 002 




Class

Language Key

 EN









Class description

Maximum No. of Hits



Select required class and press enter

A: Find via keyword B: Find via class number C: Find via class group D: ...



Class Type: 002

Class	Language	Class description
CIRCUIT-BREAKER	EN	CIRCUIT BREAKER
CT-CURRENT-TRFR	EN	CT-CURRENT TRANSFORMER
CVT-CAPACITOR-VT	EN	CVT-CAPACITOR VOLTAGE TRFR
ENERGYMETER	EN	ENERGY METER - TVM
ISOLATOR	EN	ISOLATOR
LIGHTNING-ARRESTER	EN	LIGHTNING-ARRESTER
POWER-TRANSFORMER	EN	PTR-POWER TRANSFORMER
PT-POTENTIAL-TRFR	EN	PT-POTENTIAL TRANSFORMER
WAVE-TRAP	EN	WAVE-TRAP

Enter the details

The screenshot shows the SAP Equipment Classification screen. At the top, there is a table with columns: Class, Description, Sta..., S..., Icon, and Itm. The first row is highlighted with Class 'POWER-TRANSFORMER', Description 'PTR-POWER TRANSFORMER', Sta... '1', S... '1', Icon '10', and Itm '10'. Below the table, there are several icons and an 'Entry' field with '1 / 1'. The main section is titled 'Values for Class POWER-TRANSFORMER - Object TM0000000001IE'. Under the 'General' tab, there is a table with columns: Characteristic Description and Value. The first row is highlighted with 'RATED-MVA' and a yellow background. Other rows include 'HV-RATED VOLTAGE', 'LV-RATED VOLTAGE', 'HV-RATED CURRENT', 'LV-RATED CURRENT', 'VECTOR-GROUP', and 'PERCENTAGE IMPEDANCE'. The SAP logo is visible in the bottom right corner.

Class	Description	Sta...	S...	Icon	Itm
POWER-TRANSFORMER	PTR-POWER TRANSFORMER	1	1	10	10

Characteristic Description	Value
RATED-MVA	
HV-RATED VOLTAGE	
LV-RATED VOLTAGE	
HV-RATED CURRENT	
LV-RATED CURRENT	
VECTOR-GROUP	
PERCENTAGE IMPEDANCE	

Press **Back button**

The screenshot shows the SAP Equipment Classification screen with the 'Create Equipment : Classification' dialog box open. The dialog box has a title bar 'RATED-MVA' and a list of values: 31.50 MVA, 50.00 MVA, 100.00 MVA, 160.00 MVA, 315.00 MVA, and 500.00 MVA. The 'Value entry' button is highlighted in yellow at the bottom right. The background shows the same SAP Equipment Classification screen as the previous screenshot.

Create Equipment : Classification

RATED-MVA

31.50 MVA
50.00 MVA
100.00 MVA
160.00 MVA
315.00 MVA
500.00 MVA

Value entry

Note: If some of the details are not entered, then it will ask to enter by populating a window then press **green tick** until the main screen appears.

The screenshot shows the SAP Equipment Classification screen with the 'Create Equipment : Classification' dialog box open. The dialog box has a title bar 'RATED-MVA' and a list of values: 31.50 MVA, 50.00 MVA, 100.00 MVA, 160.00 MVA, 315.00 MVA, and 500.00 MVA. The 'Value entry' button is highlighted in yellow at the bottom right. The background shows the same SAP Equipment Classification screen as the previous screenshot.

Create Equipment : Classification

RATED-MVA

31.50 MVA
50.00 MVA
100.00 MVA
160.00 MVA
315.00 MVA
500.00 MVA

Value entry

In GENERAL tab Enter

Object Type : by selecting from the list ,

Start-Up-date : Date of commission,

Manufacturer, Constr.yr, ManufSerialNo

The screenshot shows the 'General' tab of a software interface. The 'General data' section contains the following fields:

- Class: POWER-TRANSFORMER (PTR-POWER TRANSFORMER)
- Object type: [Yellow highlight]
- AuthorizGroup: [Empty]
- Weight: [Empty]
- Size/dimension: [Empty]
- Inventory no.: [Empty]
- Start-up date: [Yellow highlight]

The 'Reference data' section contains:

- AcquistnValue: [Empty]
- Acquisition date: [Empty]

The 'Manufacturer data' section contains:

- Manufacturer: [Yellow highlight]
- ManufCountry: [Empty]
- Model number: [Empty]
- Constr.yr/mth: [Yellow highlight]
- ManufPartNo.: [Empty]
- ManufSerialNo.: [Yellow highlight]

Go to Location tab and enter Main Plant

The screenshot shows the 'Location' tab of a software interface. The top section contains the following fields:

- Equipment: TM0000000001IE
- Category: M
- Machines: [Empty]
- Description: 132/33KV,50MVA PTR-II
- Status: AVL8
- Valid From: 19.07.2021
- Valid To: 31.12.9999

The 'Location data' section contains the following fields:

- MaintPlant: 5110
- Location: [Empty]
- Room: [Empty]
- Plant section: [Empty]
- Work center: [Empty]
- ABC indic.: [Empty]
- Sort field: [Empty]

The 'Address' section is at the bottom and is currently empty.

Then Go to **Structure** Tab, and click on **Triangle symbol**

The screenshot shows a software interface for equipment management. At the top, there are fields for Equipment (TM0000000001IE), Category (M), and Machines. Below these are Description (132/33KV,50MVA PTR-II), Status (AVLB), Valid From (19.07.2021), and Valid To (31.12.9999). A tabbed menu at the bottom includes General, Location, Organization, **Structure** (selected), SerData, and Warranty & Documents. The Structure tab contains a 'Structuring' section with fields for Functional loc., Description, Superord.Equip., Description, Position, TechIdentNo., and ConstType. A yellow box highlights a triangle icon in the top right corner of the Structure tab.

Give **Functional loc.**, in which the equipment is to be installed i.e either feeder bay or Transformer bay or Control room etc..... and press **green tick**.

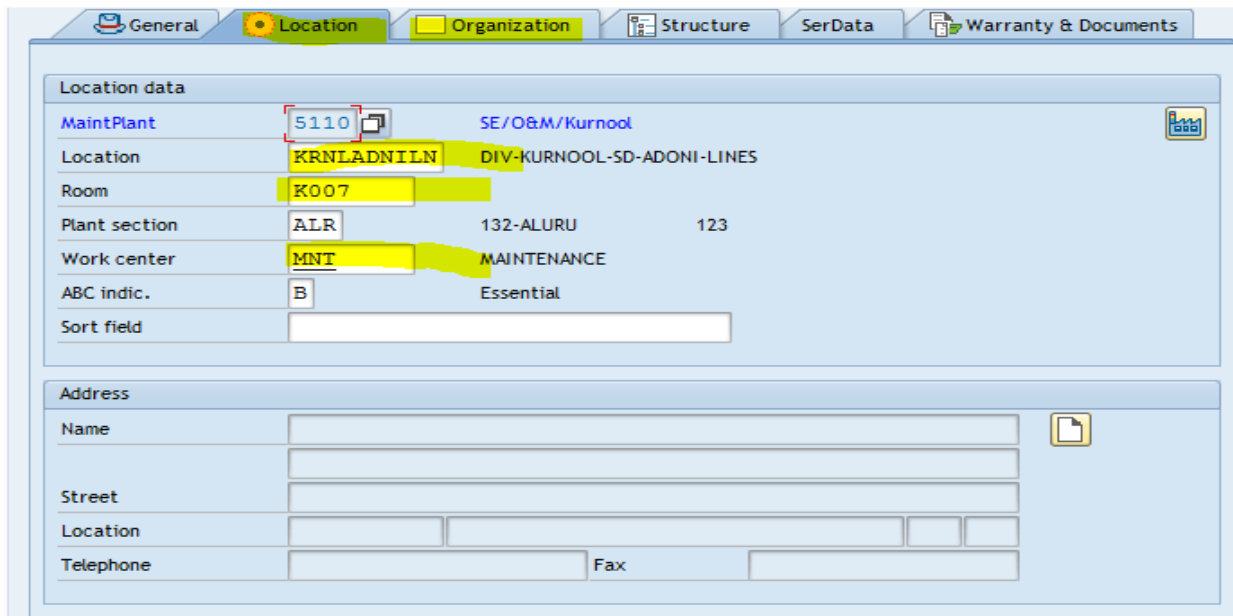
Note: Function location can be copied from the T-code IL03 as explained above.

The screenshot shows a dialog box titled 'Change Equipment Installation Location'. It contains fields for Functional loc. (TB-132/33KV-KDRI-03), Superord.Equip., Position, and Inst/DismTime (19.07.2021 00:00:00). A yellow box highlights the Functional loc. field. At the bottom right, there is a green checkmark icon and a button labeled 'Inst. w. DataTransfer'.

Now check the details of other tabs

LOCATION & ORGANIZATION

in which some of the details are automatically fetched from the given Functional Location.



The screenshot shows the SAP 'Location & Organization' tab. The 'Location data' section contains the following fields:

Field	Value	Description
MaintPlant	5110	SE/O&M/Kurnool
Location	KRNLDN1LN	DIV-KURNOOL-SD-ADONI-LINES
Room	K007	
Plant section	ALR	132-ALURU 123
Work center	MNT	MAINTENANCE
ABC indic.	B	Essential
Sort field		

The 'Address' section contains the following fields:

Field	Value
Name	
Street	
Location	
Telephone	
Fax	

NOW SAVE

Equipment number will be generated and this can be seen in IL03 T-CODE.