



SAP User Manual for Functional Location Creation

Indian Ports Association (IPA) Implementation of Port EBS Project Enterprise Business System

Business Process Manual for Functional Location Creation

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SAP User Manual for Functional Location Creation

This document is a desk reference tailored to the Maintenance Specialists. It is intended to provide information that will be helpful to support the Maintenance processes.

Document History:

Authors & Participants	
Role	Name

Revision History			
Date	Document Version	Document Revision Description	Author
01.11.2019	1.0	Initial Draft	



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Reviewed and Approved By			
Name	Title	Date	Approved



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In this chapter we are going to learn about how Master Data transactions will be handled in SAP system. Functional Location Master Data Creation is covered in this business process manual document.

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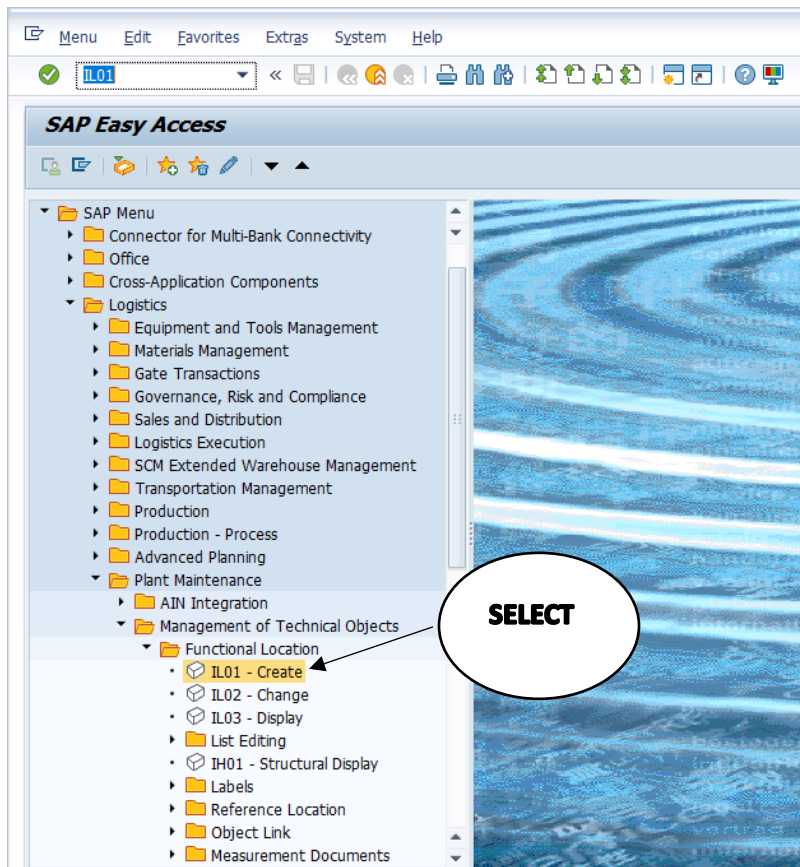
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1. Creation of Functional Location

The below transaction code which we can use for creation of Functional Location

Step 1: Enter Transaction code IL01 in command bar (or) Follow the below navigation path





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Step 2: Double click on “IL01” the system will open the below screen
In the next screen

The screenshot shows the SAP 'Create Functional Location: Initial Screen' interface. At the top, there is a menu bar with options: Functional location, Edit, Goto, Extras, Structure, Environment, System, and Help. Below the menu is a toolbar with various icons for navigation and actions. The main area is titled 'Create Functional Location: Initial Screen' and contains several input fields and sections:

- Functional Loc.:** A text input field with a yellow highlight.
- Edit mask:** A text input field.
- HierLevels:** A text input field.
- StrIndicator:** A small square input field.
- FunctLocCat.:** A dropdown menu showing 'M' and 'Technical system - standard'.
- Copy from:** A section with two input fields: 'FunctLocation' and 'RefLocation', each with a selection icon.
- Default value for superior functional location:** A section with two input fields: 'SupFunctLoc.' and 'Description', each with a selection icon.



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Step3:

Enter the Functional Location code to be created and Structure Indicator & Press "Enter"

The screenshot shows the SAP 'Create Functional Location: Initial Screen' interface. The 'Functional Loc.' field contains '1100-PUMP' and the 'StrIndicator' field contains 'IPA'. The 'FunctLocCat.' is set to 'M' with the description 'Technical system - standard'. Below these fields are sections for 'Copy from' (with 'FunctLocation' and 'RefLocation' fields) and 'Default value for superior functional location' (with 'SupFunctLoc.' and 'Description' fields). A callout box on the right points to the 'Functional Loc.' and 'StrIndicator' fields with the following text:

Enter the Functional Location code to be created start with Plant Code

Enter the Structure Indicator which is created for Plant



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Step4:

After Pressing “Enter” system will open the below Screen for capturing FL Data

Functional location Edit Goto Extras Structure Environment System Help

Classification Measuring points/counters Data origin...

Functional loc. 1100-PUMP Cat. M Technical system - st...

Description

Status CRTE

General Location Organization Structure

General data

Class

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.



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Step 5:

Enter below Details in FL General Screen Description, Object Type, Size, Startup date, and Manufacturer data etc.

Functional location Edit Goto Extras Structure Environment System Help

Create Functional Location: Master Data

Classification Measuring points/counters Data origin...

Functional loc. 1100-PUMP Cat. M Technical system - st...

Description Pump Room

Status CRTE

General Location Organization Structure

General data

Class

Object Type 2005 Electrical Pump

AuthorizGroup

Weight

Size/dimension 10X10 SQM

Inventory no. XXXXXXXXXXXX Start-up date 01.03.1990

Reference data

AcquistnValue 10,000,000.00 INR Acquisition date 01.03.1990

Manufacturer data

Manufacturer ABC Constructions ManufCountry IN

Model number Concrete Model Constr.yr/mth 1990 / 03

ManufPartNo.

ManufSerialNo.



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Step 6:

Enter below Details in FL Location Screen Address Details, Critical Status of FL

Functional location: 1100-PUMP Cat. M Technical system - st...

Description: Pump Room

Status: CRTE

Classification Measuring points/counters Data origin...

General Location Organization Structure

Location data

MaintPlant: 1100 Chennai Port Trust

Location: |

Room: |

Plant Section: |

Work center: |

ABC Indic.: A Critical

Sort Field: |

Address

Name: Pump Room

Street: 300, Royapuram

Location: 600053 Chennai IN

Telephone: Fax: |



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Step 7:

By Clicking the address create icon system will open address entry Screen

The screenshot displays the SAP 'Address maintenance: Change "Maintenance object address"' dialog box. The 'Name' section includes a dropdown for 'Company' and a text field for 'Name' containing 'Pump Room'. The 'Search Terms' section has a 'Search term 1/2' field. The 'Street Address' section contains fields for 'Street/House number' (300,Royapuram), 'Postal Code/City' (600053 Chennai), 'Country' (IN India), and 'Time zone' (INDIA). The 'PO Box Address' section has fields for 'PO Box', 'Postal Code', and 'Company Postal Code'. The 'Communication' section includes fields for 'Language' (English), 'Telephone', 'Mobile Phone', 'Fax', 'E-Mail', and 'Standard Method', along with 'Extension' fields and an 'Other Communication...' button. A 'Comments' field is at the bottom. The background shows the 'Functional location' screen with a 'Create P' icon.



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Step 8:

Select respective Cost Center, Main Work Center, Planner Group, Maintenance Planning plant by pressing F4

The screenshot shows the SAP 'Create Functional Location: Master Data' interface. The 'Organization' tab is active, displaying the 'Account assignment' and 'Responsibilities' sections. Callouts point to specific fields:

- Cost Center:** Points to the 'Cost Center' field in the 'Account assignment' section, which contains '11010505'.
- Planning Plant:** Points to the 'Planning Plant' field in the 'Responsibilities' section, which contains '1100'.
- Planner Group:** Points to the 'Planner Group' field in the 'Responsibilities' section, which contains '103'.
- Maintenance work Center:** Points to the 'Main WorkCtr' field in the 'Responsibilities' section, which contains 'CVL_SD1'.

Other visible data includes: Functional loc. '1100-PUMP', Description 'Pump Room', Status 'CRTE', Company Code '1100', Business Area, Asset, WBS Element, StandgOrder, SettlementOrder, and Catalog Profile.



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Step 9:

In Structure tab check box for equipment Installation to be checked for equipment installation & Check for Superior Functional Location

The screenshot shows the SAP 'Create Functional Location: Master Data' window. The 'Structure' tab is active, displaying the 'Structuring' section. The 'Equip-Installation' checkbox is checked, and the 'Superior Functional Location' field is populated with '1100'. Below this, an 'Equipment' table is visible with columns for Position, Equipment, Sub-Equipment, Description, Equipment Type, and Manufacturer.

Pos.	Equipment	Sb-Eq	Description	EqmtType	Mfr
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			

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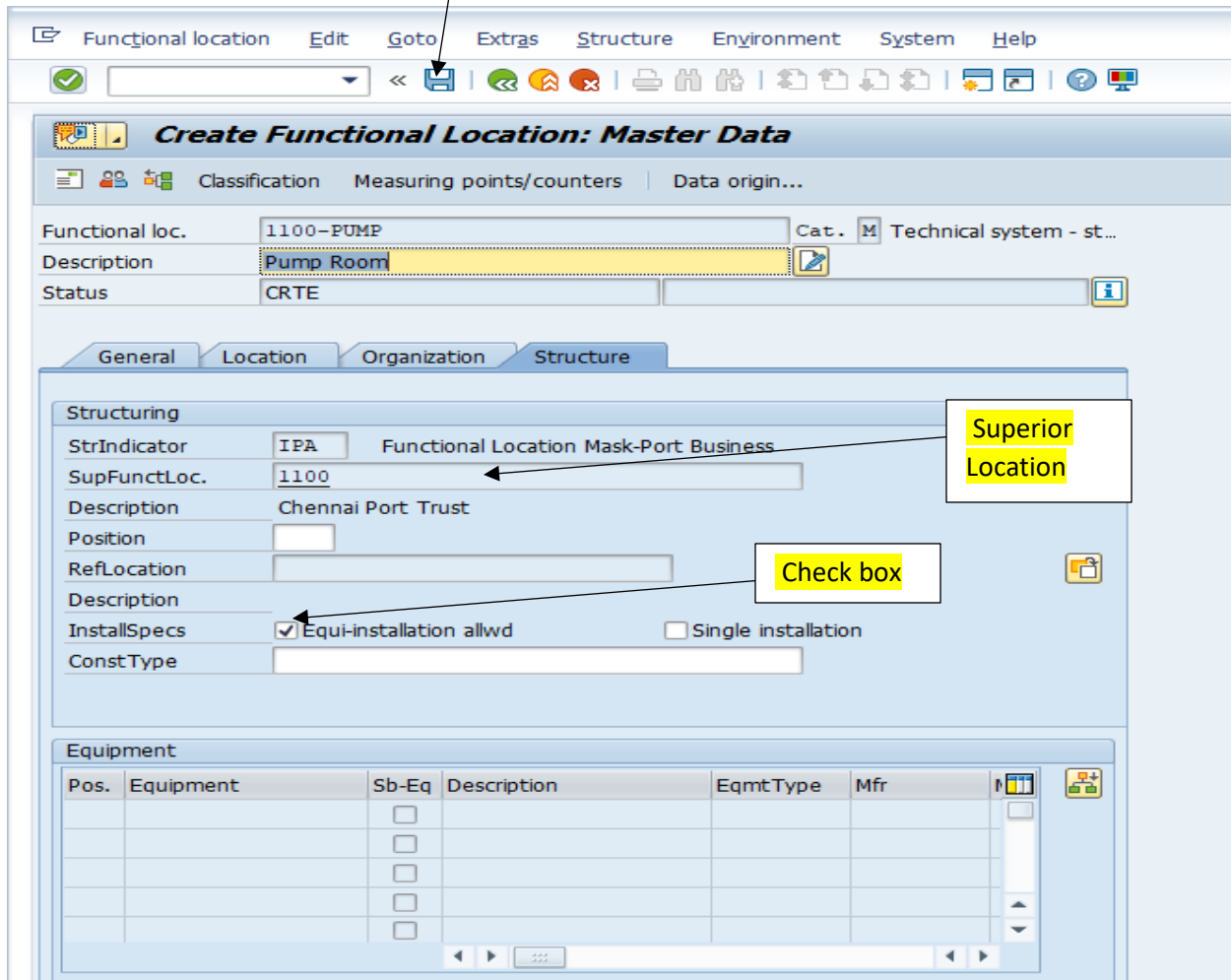
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The screenshot displays the SAP 'Create Functional Location: Master Data' interface. The main window shows fields for 'Functional loc.' (1100-PUMP), 'Description' (Pump Room), and 'Status' (CRTE). A dialog box titled 'Change Superior Functional Location' is open, with 'SupFuncLoc.' set to '1100' and 'Description' as 'Chennai Port Trust'. A yellow callout box labeled 'Superior Location' points to the '1100' value. The background interface includes a menu bar, a toolbar, and an 'Equipment' table with columns for Pos., Equipment, Sb-Eq, Description, EqmtType, and Mfr.

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Step 10:

Once all details for FL filled click save icon to save the Functional Location



Functional loc. 1100-PUMP Cat. M Technical system - st...

Description Pump Room

Status CRTE

General Location Organization Structure

Structuring

StrIndicator IPA Functional Location Mask-Port Business

SupFunctLoc. 1100

Description Chennai Port Trust

Position

RefLocation

Description

InstallSpecs Equip-installation allwd Single installation


ConstType

Equipment

Pos.	Equipment	Sb-Eq	Description	EqmtType	Mfr
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			



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Once FL Saved system will show following message “ Functional location 1100-PUMP created ”

The screenshot displays the SAP 'Create Functional Location: Initial Screen' interface. The 'Functional Loc.' field is populated with '1100-PUMP'. Below it, the 'Edit mask' is 'XXXX-XXXX-XXXX-XXXX-XXXX-XXXX' and 'HierLevels' are numbered 1 through 6. The 'StrIndicator' is 'IPA' and the 'FuncLocCat.' is 'M'. A 'System Message' box at the bottom of the screen contains the text 'Functional location 1100-PUMP created', which is highlighted in yellow. An arrow points from this message box to a status bar at the very bottom of the window that also displays 'Functional location 1100-PUMP created' with a checkmark icon.