P&S CONSULTING

SAP R/3 PM Training Maintenance Processing

Summary

- Notification
- Work Order
- Completion Confirmation

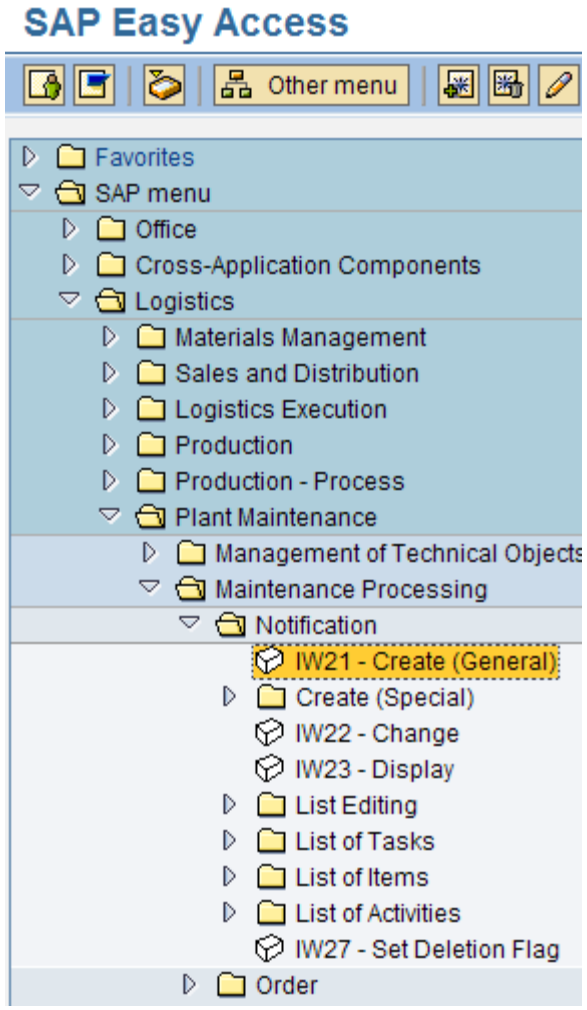
Chapter…

Notification

SAP R/3 PM
Notification

- Notification are requests for maintenance activities
- Notification are created automatically by maintenance plans or manually by the capture of failure or maintenance request
- Notifications documented the description of failures and maintenance activities
- Normally you have 1:1 relation between notification and work orders
- After the maintenance activities the relevant actions and cause codes are documented
- Notifications are the basis for the technical reporting and the generation of key performance indicators (KPI)

SAP R/3 PM Notification

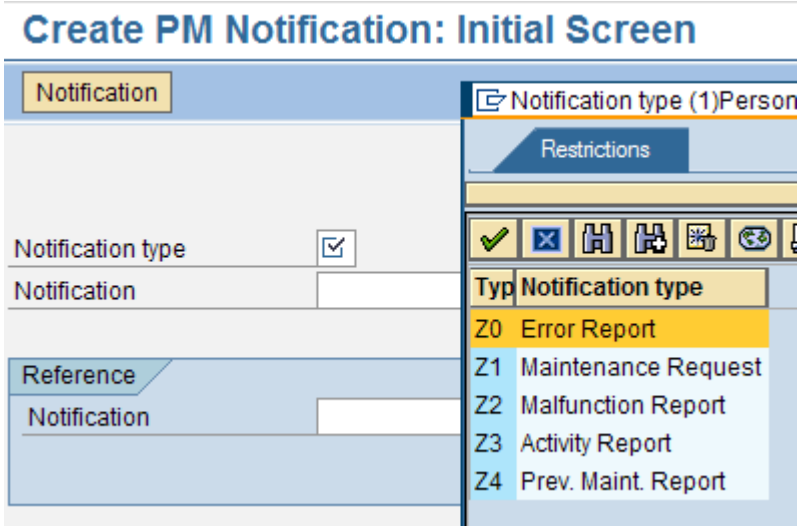


Transaction IW51 Create

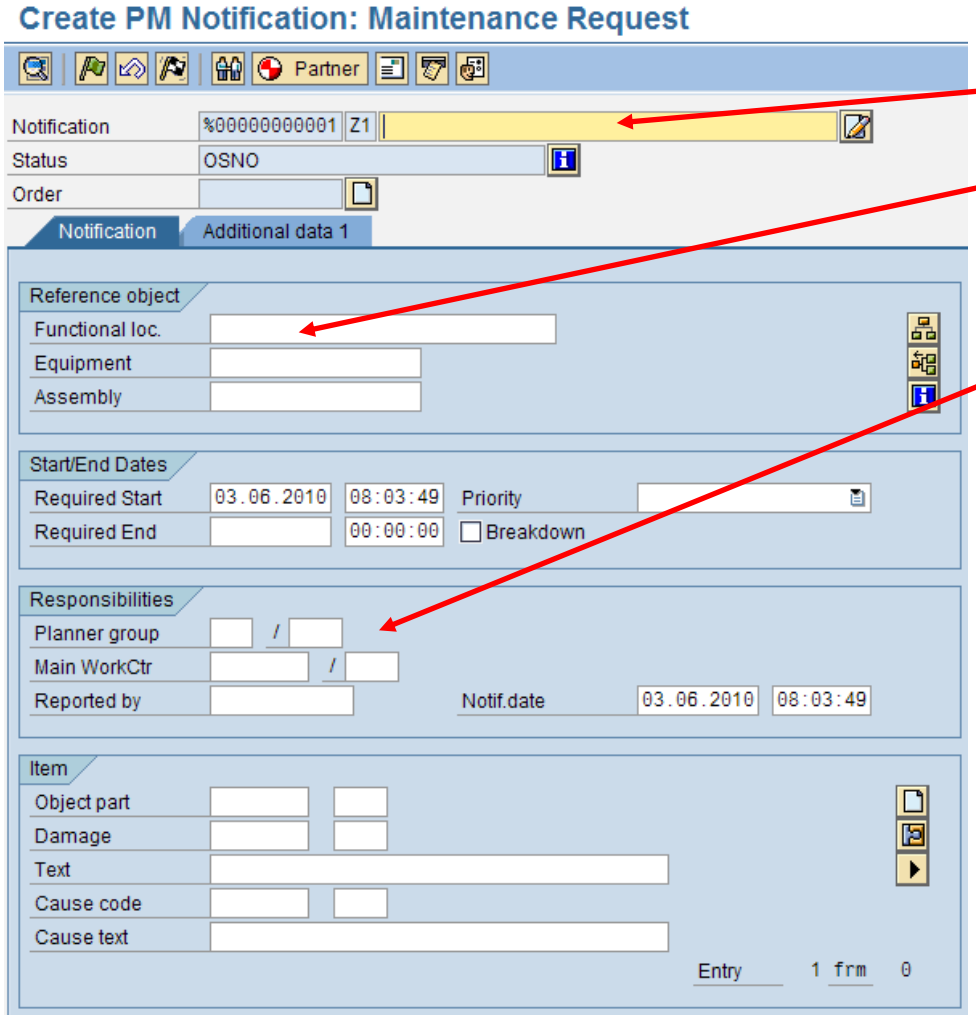
The notification type describe different maintenance requests. Each notification type can be contain different information fields.

Exemplary notification types:

Error Report	Z0
Maintenance Request	Z1
Malfunction Report	Z2
Activity Report	Z3
Prev. Maintenance report	Z4



SAP R/3 PM
Notification



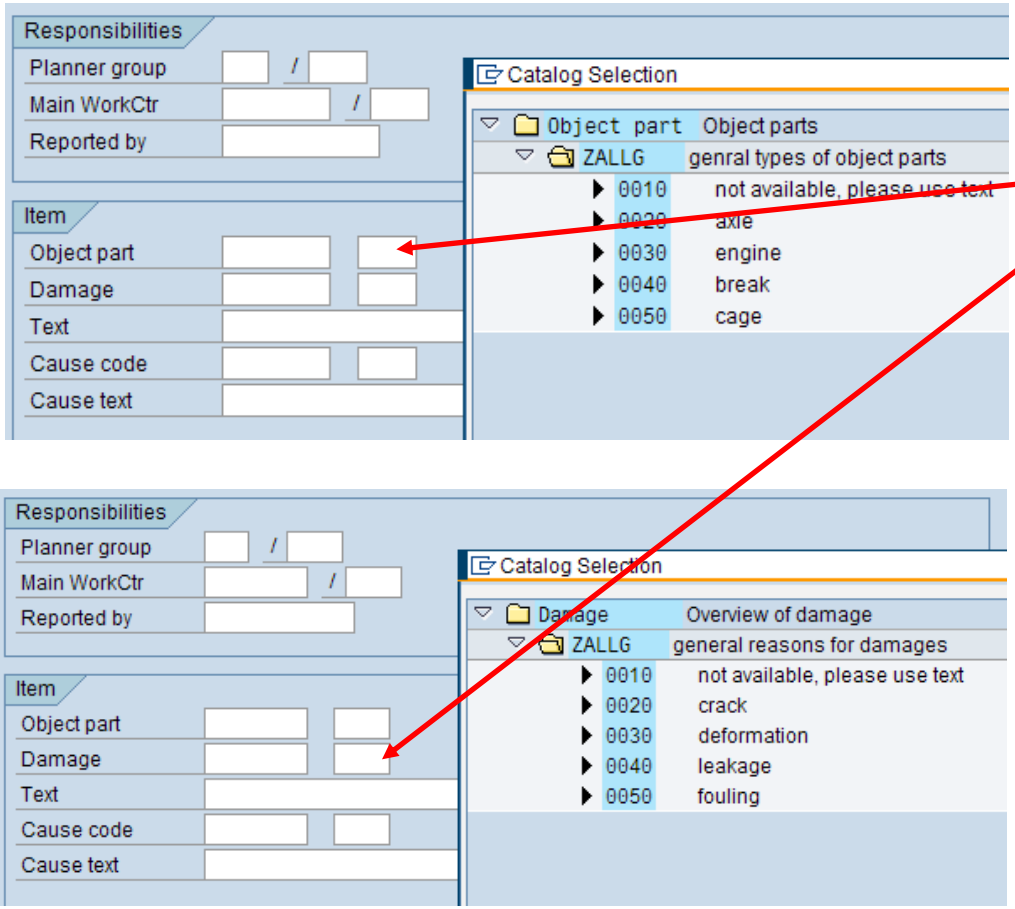
Edit first the description and select the relevant technical object (FL or EQ).
Press ENTER
All stored information will be complete.

Than you can edit
- -Object Part
- -Damage
- -Cause code

These information you can select from catalogs.

At the register Additional Data you can stored a detailed description of the failure.

SAP R/3 PM
Notification



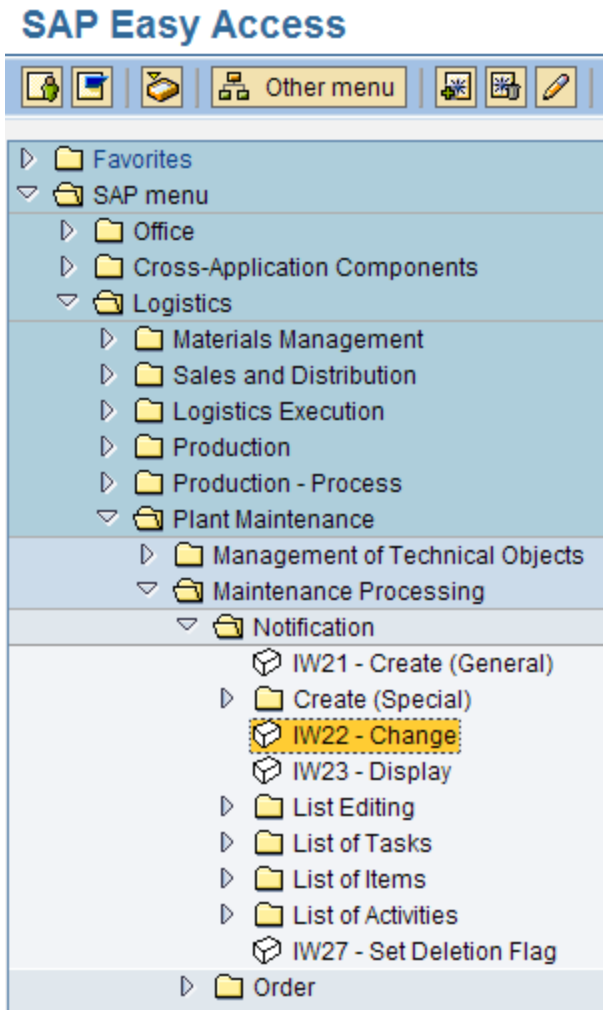
Catalog selection

Select one relevant item with double click.

You have catalogs for:
- -Object Part
- -Damage
- -Cause Code
- -Activities

Save your entries.

SAP R/3 PM
Change Notification

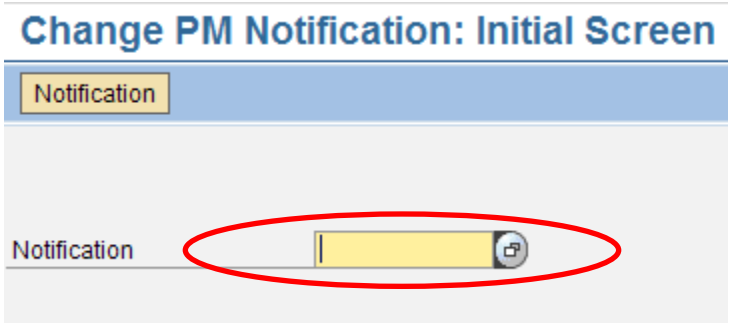


Transaction IW22 - Change

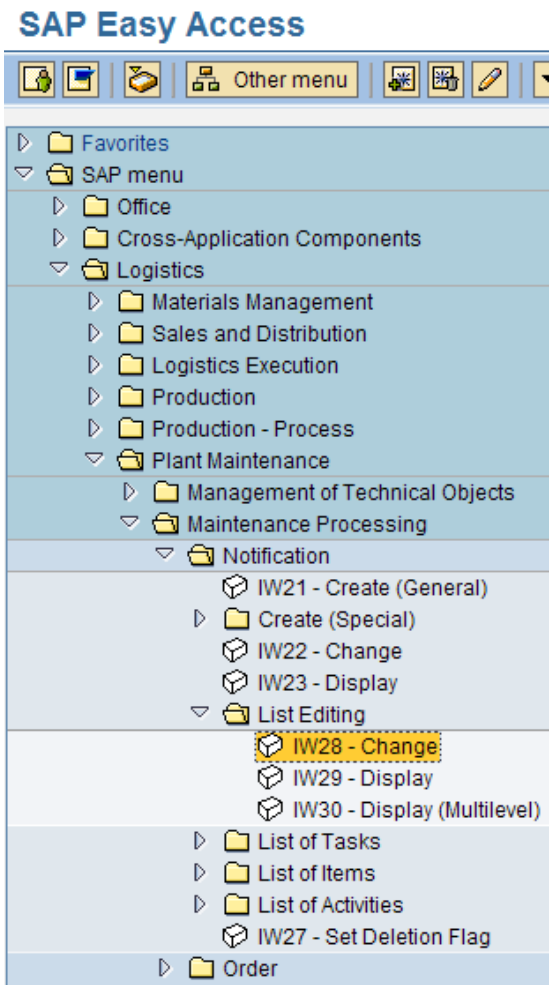
If it is necessary than you can change the notification.

If you know the notification number than you can use this transaction.

The most used transaction will be list editing.

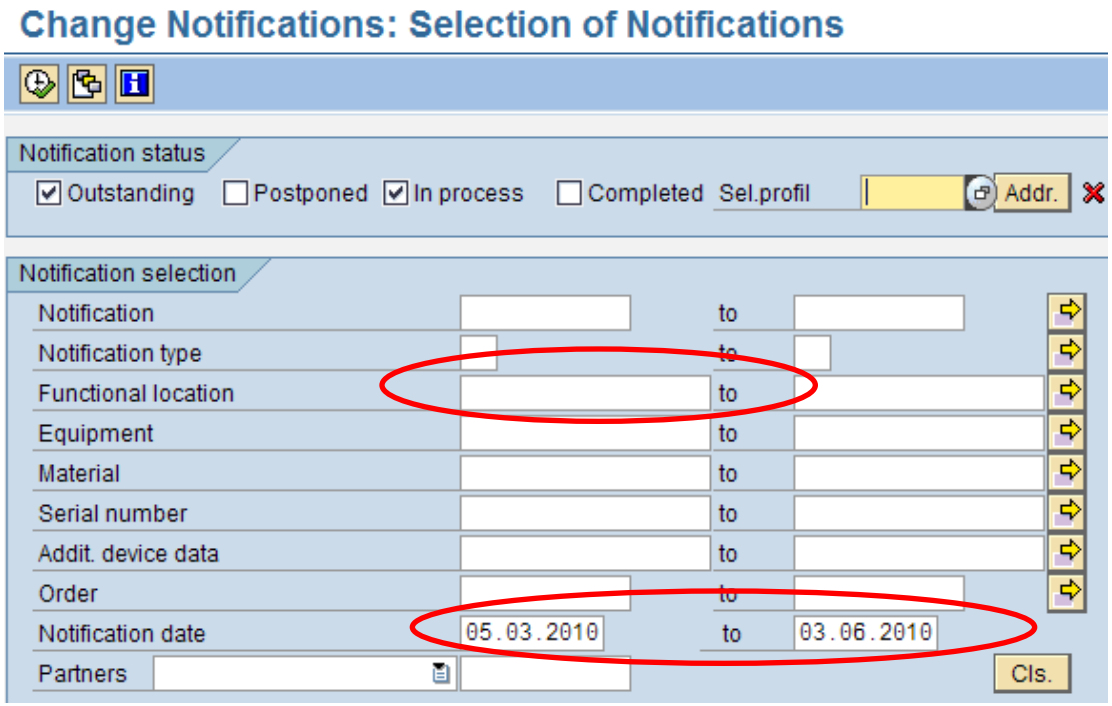


SAP R/3 PM
Change Notification

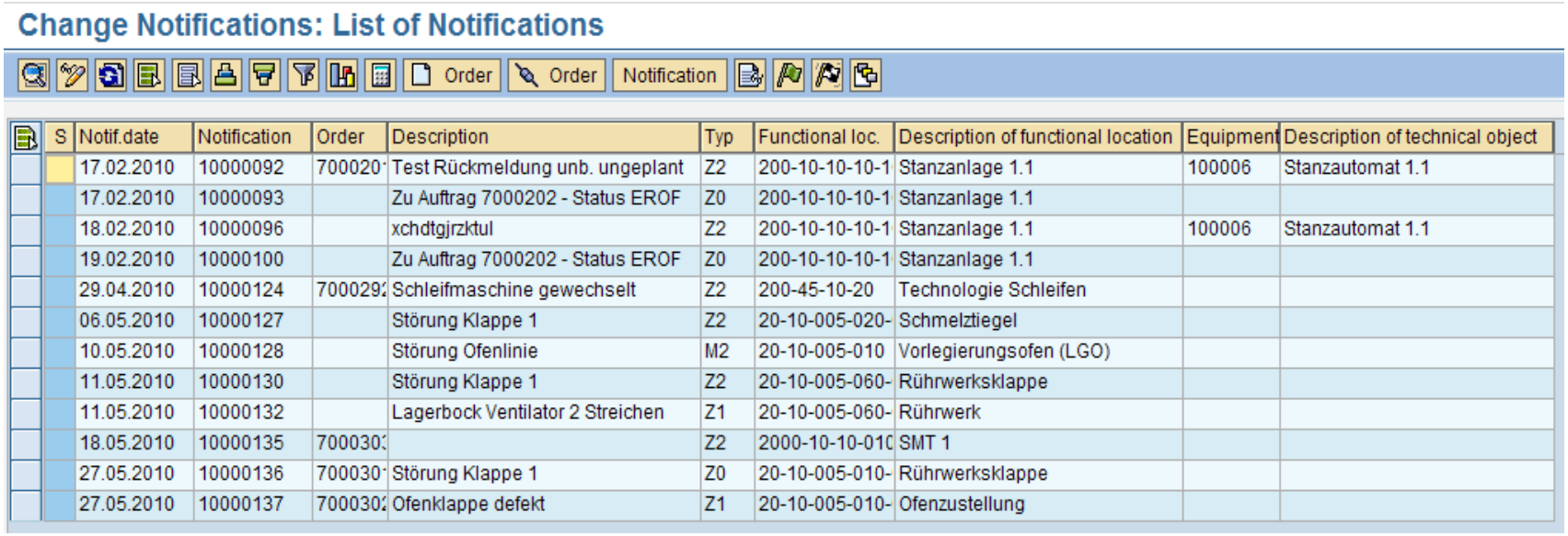


Transaction IW28 - Change

The list editing are used for the creation of the notification list. Select the technical object and the selection period.



SAP R/3 PM
Change Notification



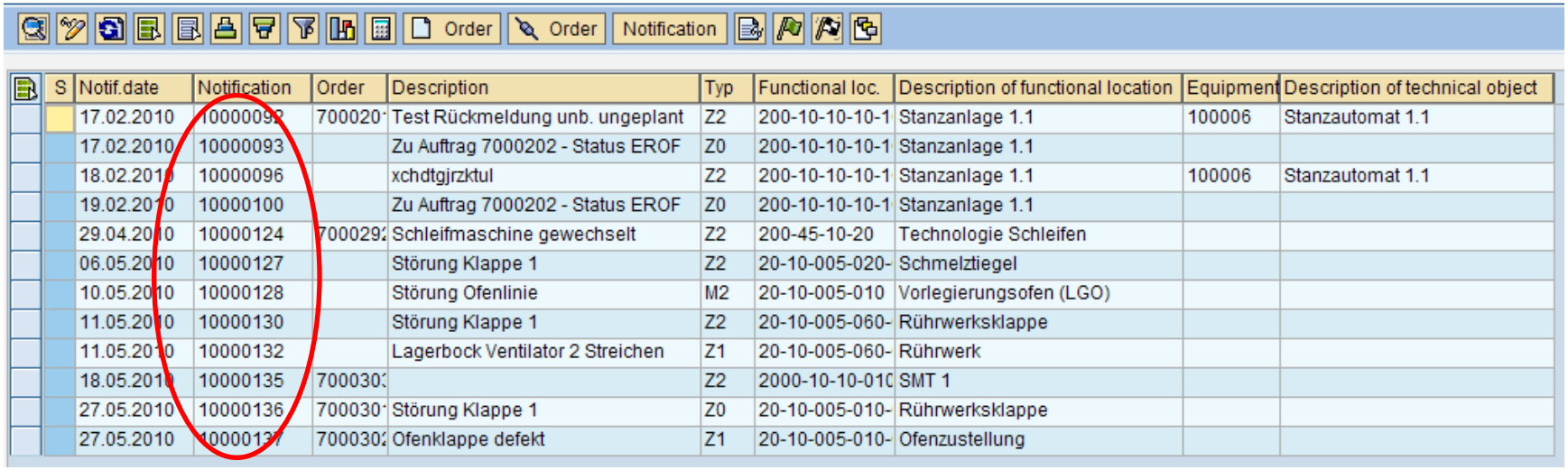
S	Notif.date	Notification	Order	Description	Typ	Functional loc.	Description of functional location	Equipment	Description of technical object
	17.02.2010	10000092	700020	Test Rückmeldung unb. ungeplant	Z2	200-10-10-10-1	Stanzanlage 1.1	100006	Stanzautomat 1.1
	17.02.2010	10000093		Zu Auftrag 7000202 - Status EROF	Z0	200-10-10-10-1	Stanzanlage 1.1		
	18.02.2010	10000096		xchdtgjrzktul	Z2	200-10-10-10-1	Stanzanlage 1.1	100006	Stanzautomat 1.1
	19.02.2010	10000100		Zu Auftrag 7000202 - Status EROF	Z0	200-10-10-10-1	Stanzanlage 1.1		
	29.04.2010	10000124	700029	Schleifmaschine gewechselt	Z2	200-45-10-20	Technologie Schleifen		
	06.05.2010	10000127		Störung Klappe 1	Z2	20-10-005-020-	Schmelztiegel		
	10.05.2010	10000128		Störung Ofenlinie	M2	20-10-005-010	Vorlegierungsofen (LGO)		
	11.05.2010	10000130		Störung Klappe 1	Z2	20-10-005-060-	Rührwerksklappe		
	11.05.2010	10000132		Lagerbock Ventilator 2 Streichen	Z1	20-10-005-060-	Rührwerk		
	18.05.2010	10000135	700030		Z2	2000-10-10-010	SMT 1		
	27.05.2010	10000136	700030	Störung Klappe 1	Z0	20-10-005-010-	Rührwerksklappe		
	27.05.2010	10000137	700030	Ofenklappe defekt	Z1	20-10-005-010-	Ofenzustellung		

From the list you can select the relevant notification with double click on the notification number.

REMARK:
If the selected parameter relevant for only one notification, than the system display the notification and not the notification list.

SAP R/3 PM
Release or complete Notification

Change Notifications: List of Notifications



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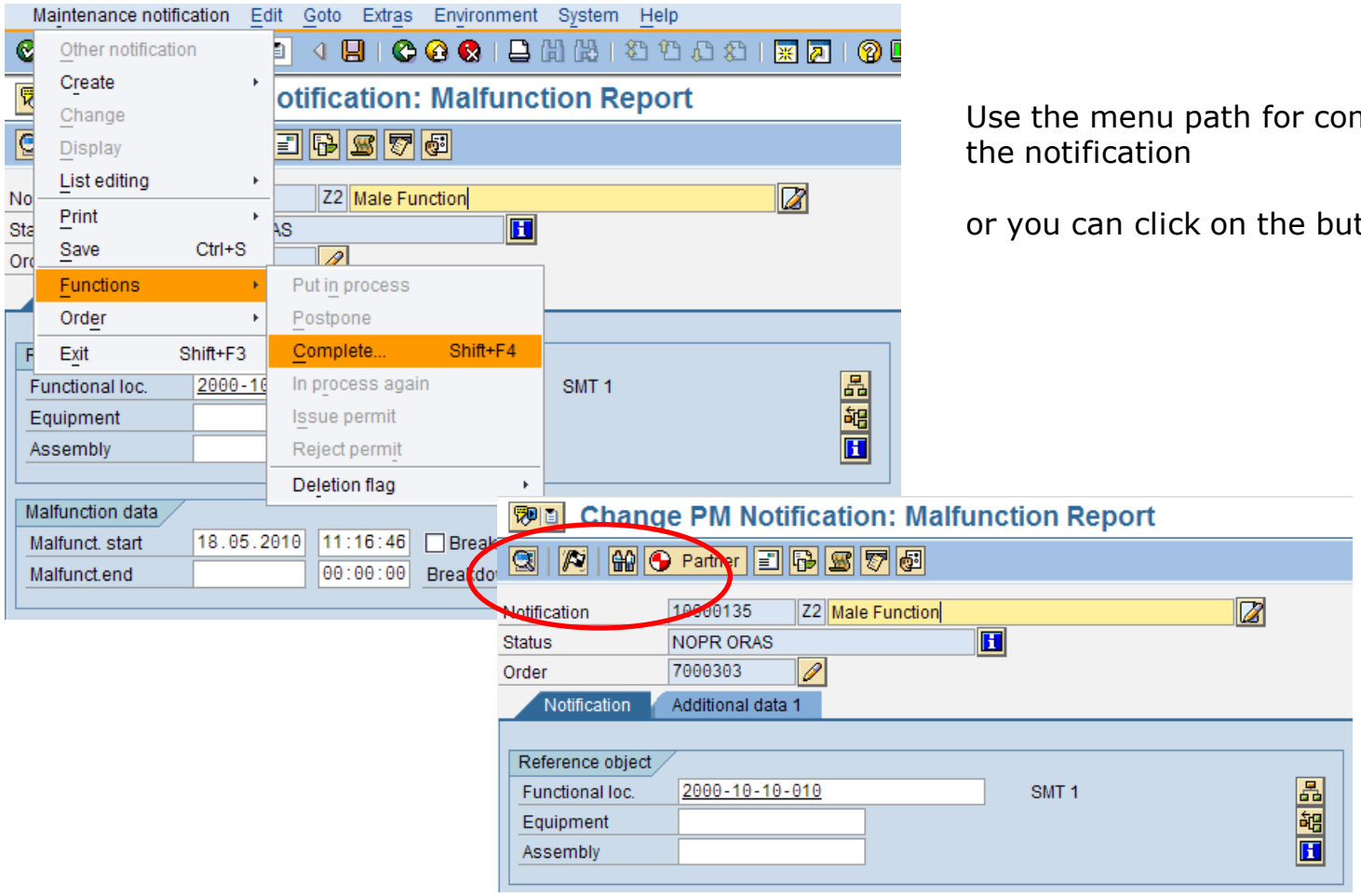
	17.02.2010	10000093		Zu Auftrag 7000202 - Status EROF	Z0	200-10-10-10-1	Stanzanlage 1.1		
	18.02.2010	10000096		xchdtgjrzktul	Z2	200-10-10-10-1	Stanzanlage 1.1	100006	Stanzautomat 1.1
	19.02.2010	10000100		Zu Auftrag 7000202 - Status EROF	Z0	200-10-10-10-1	Stanzanlage 1.1		
	29.04.2010	10000124	700029	Schleifmaschine gewechselt	Z2	200-45-10-20	Technologie Schleifen		
	06.05.2010	10000127		Störung Klappe 1	Z2	20-10-005-020-	Schmelztiegel		
	10.05.2010	10000128		Störung Ofenlinie	M2	20-10-005-010	Vorlegierungsofen (LGO)		
	11.05.2010	10000130		Störung Klappe 1	Z2	20-10-005-060-	Rührwerksklappe		
	11.05.2010	10000132		Lagerbock Ventilator 2 Streichen	Z1	20-10-005-060-	Rührwerk		
	18.05.2010	10000135	700030		Z2	2000-10-10-010	SMT 1		
	27.05.2010	10000136	700030	Störung Klappe 1	Z0	20-10-005-010-	Rührwerksklappe		
	27.05.2010	10000137	700030	Ofenklappe defekt	Z1	20-10-005-010-	Ofenzustellung		

Select one or more notification and than press the button release or the button complete

SAP R/3 PM
Release or complete Notification



Use the menu path for complete the notification

or you can click on the button

SAP R/3 PM
Notification

Tutorial

Create Notification	IW21
Create Notification from the Structural Display	IH01
Change Notification	IW22
Change Notification from List	IW28
Modify Notification List	
Change Notification from the Structural Display	IH01
Close Notification	

Chapter…

Work Order

SAP R/3 PM
Work Order

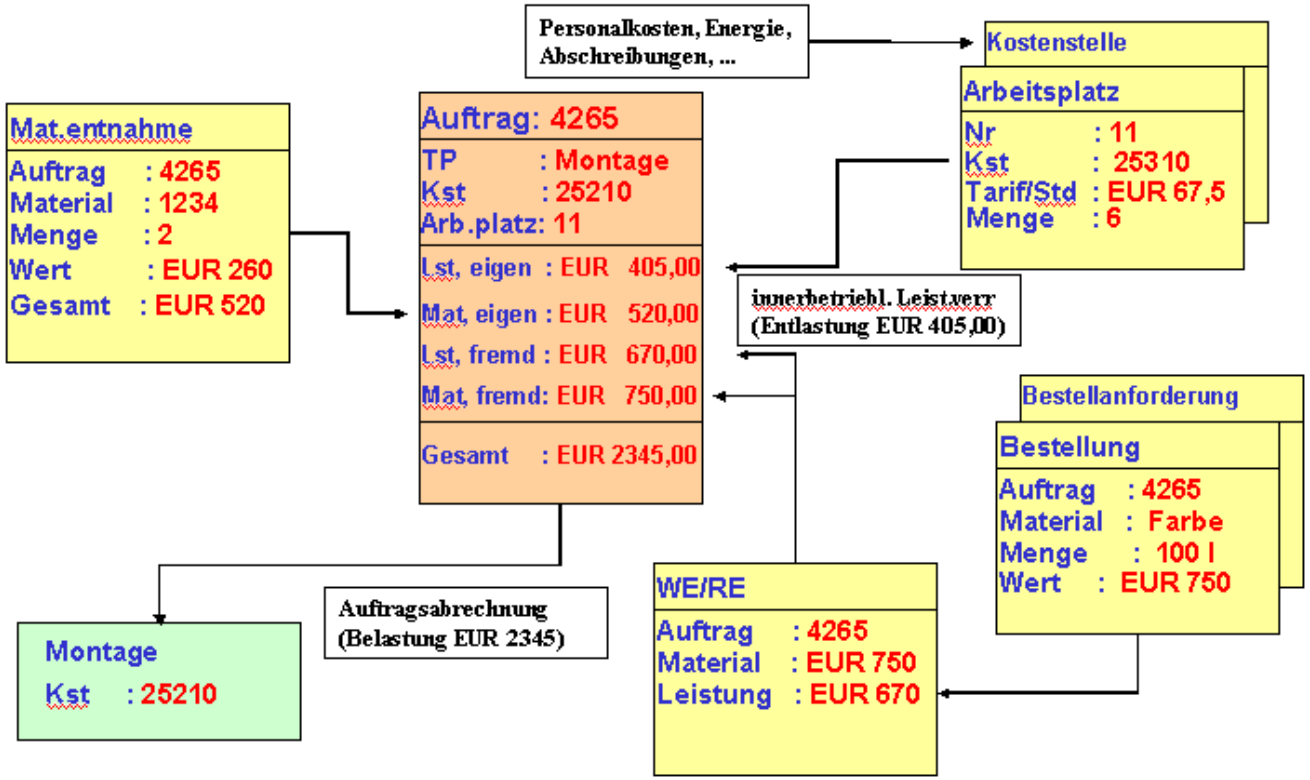
- The maintenance activities in the SAP-system are done with work order and notification. The work order is the cost collector and in the notification the technical history will be saved.

- A work order is not only a cost collector. The work steps needed for a repair can be planned in it manually or with a task list as well.

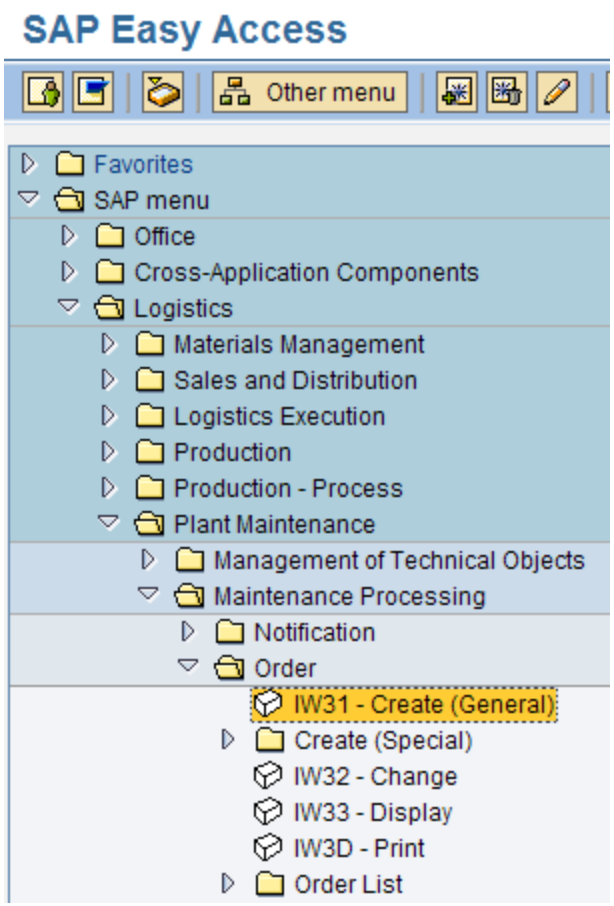
- In a work order you can plan the repair dates and times as well as responsible persons (own or external), needed materials or services (stock or non-stock).

- For every planned service or non-stock material one or more purchase requisitions will be generated.

SAP R/3 PM
Work Order

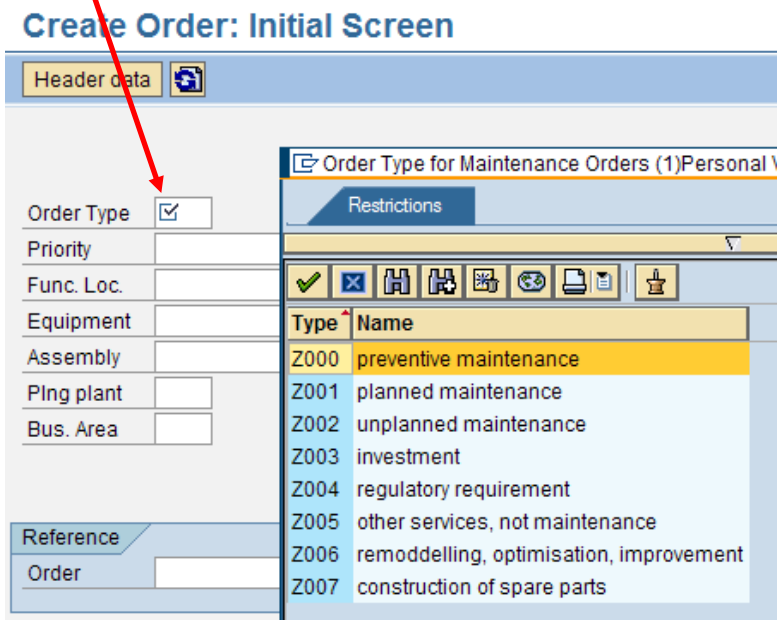


SAP R/3 PM
Work Order

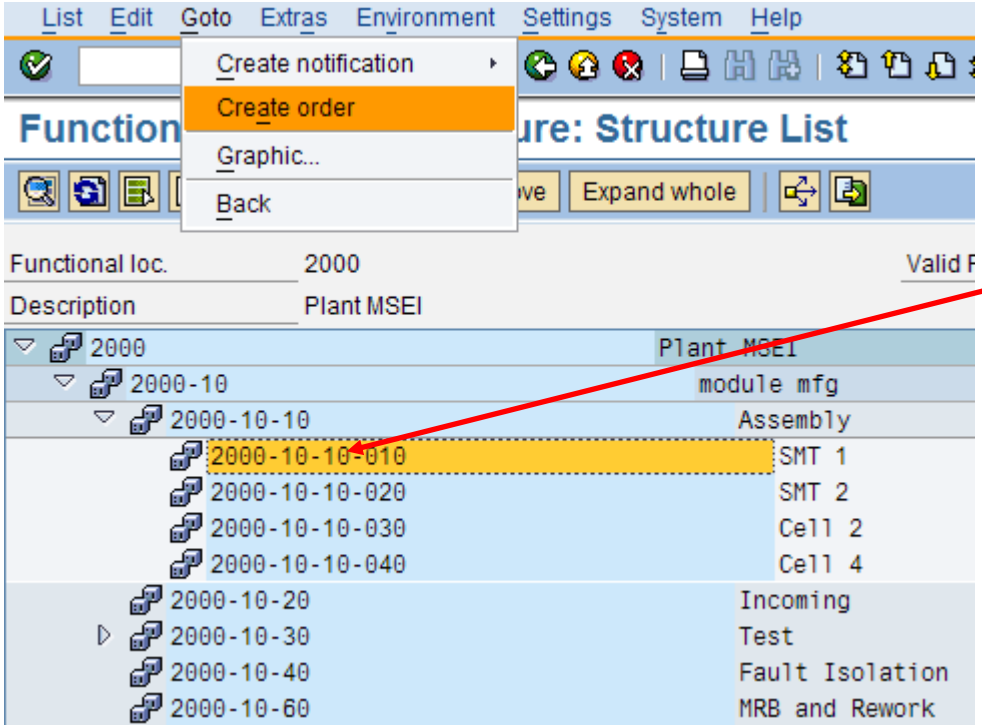


The order type control the accounting of work orders.

Preventive Maintenance	Z000
Planned Maintenance	Z001
Unplanned Maintenance	Z002
Investment	Z003
Regular requirements	Z004
Other Service, not maintenance	Z005
Remodeling, construction, improvement	Z006
Construction of spare part	Z007



SAP R/3 PM
Work Order

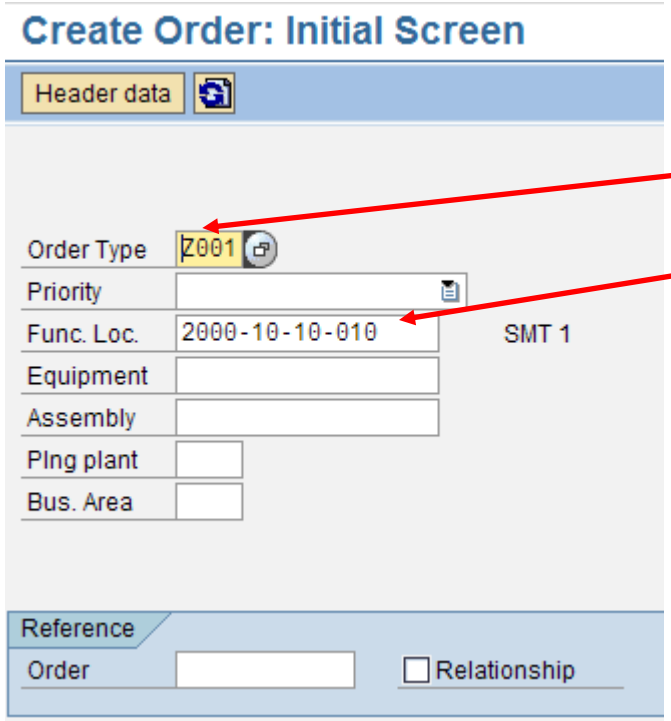


Transaction IH01 – Structural Display

Select the technical object from the structure.

Open the menu “Goto” and create order

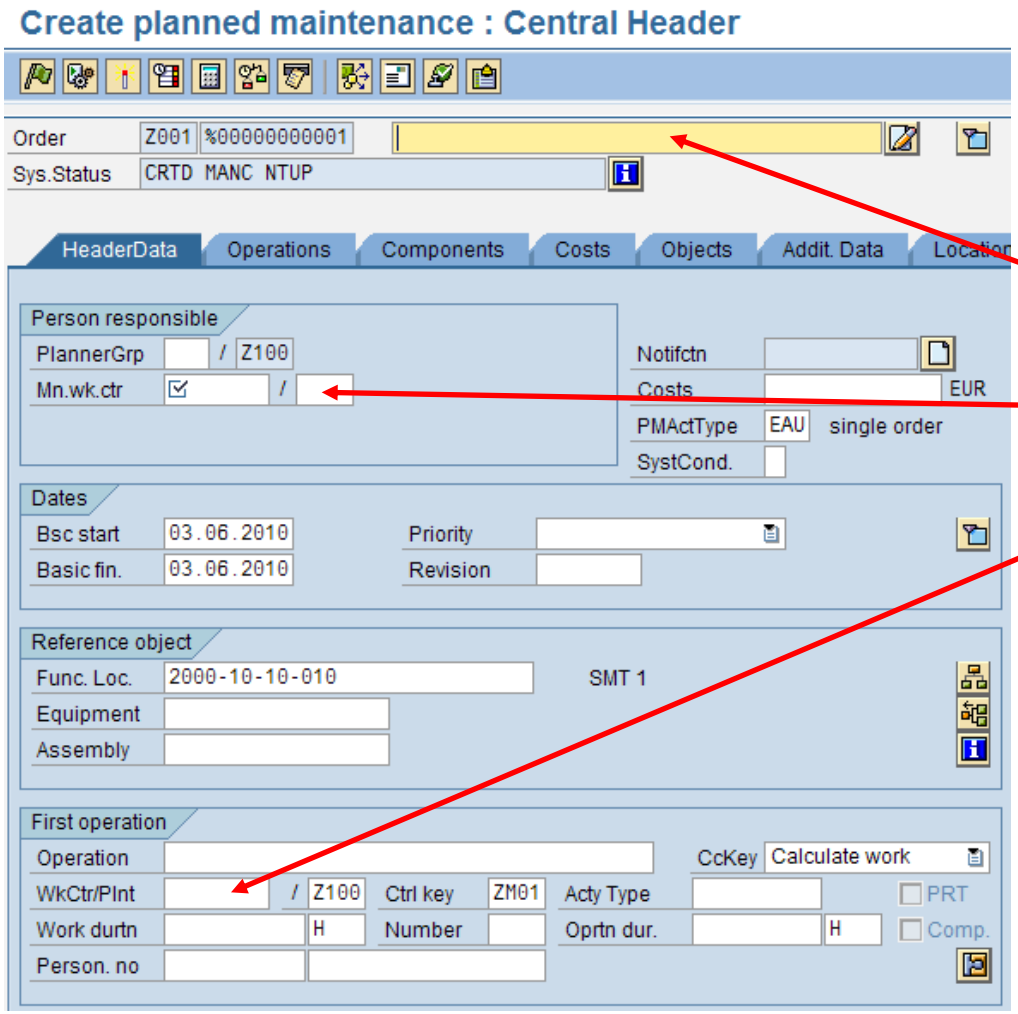
SAP R/3 PM
Work Order



Select the Order type

The relation to the technical object are automatically selected.

SAP R/3 PM
Work Order



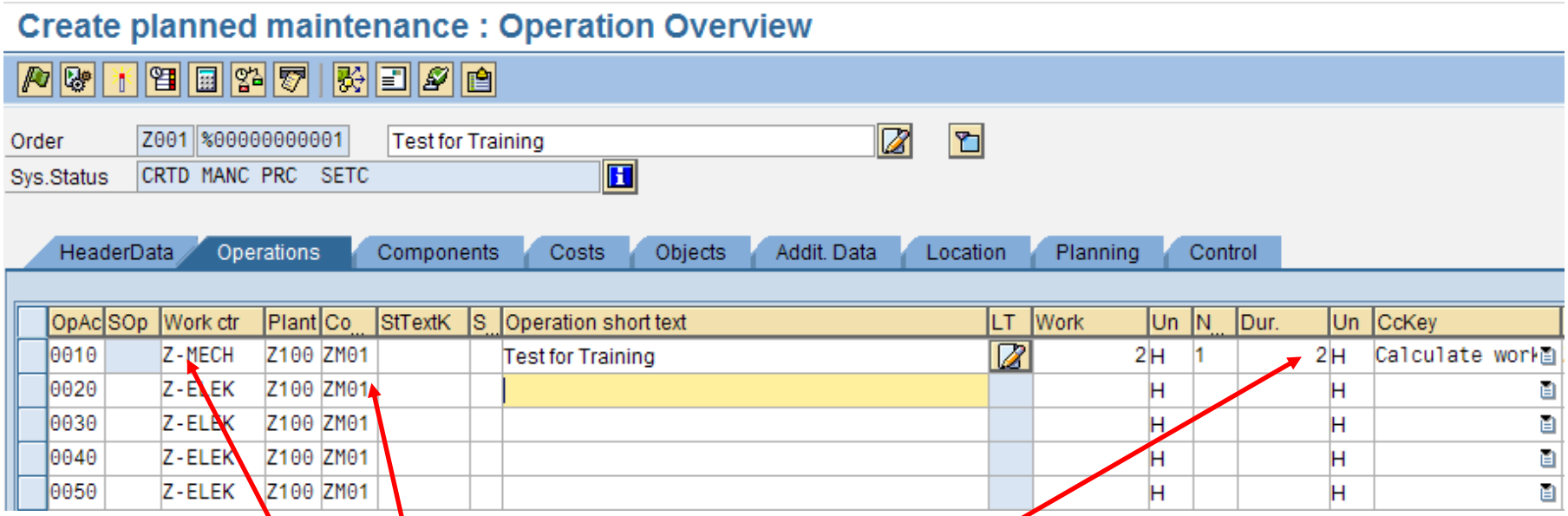
Edit the relevant data

Description

Main Work Center

Work Center

SAP R/3 PM
Work Order



Edit the relevant data

Select the work center

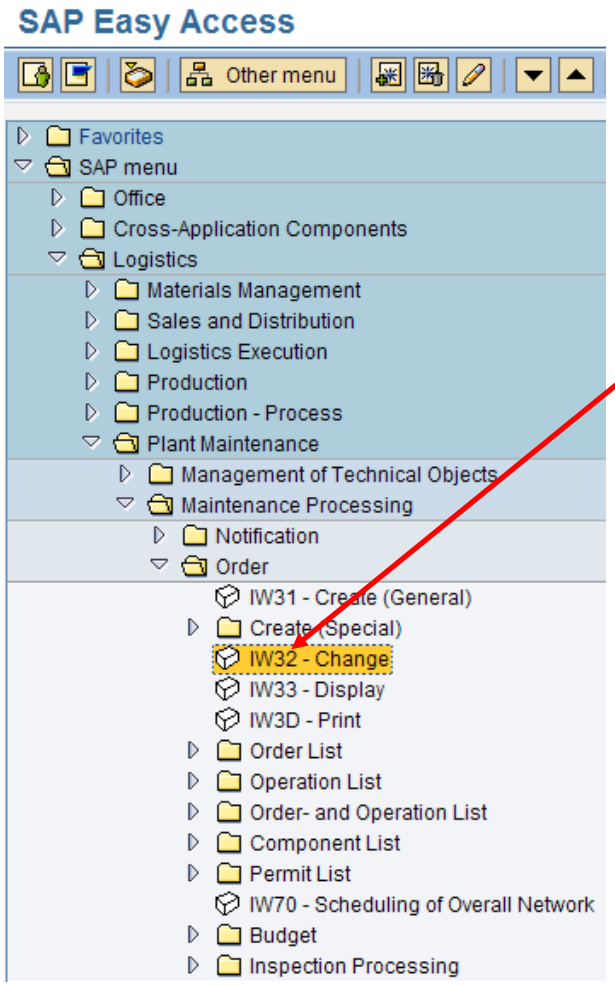
If you have more then one maintenance activities with different work centers, than you can plan the steps.

Edit the planned duration for each task.

You can switch between internal and external work with the control key.

Save the work order.

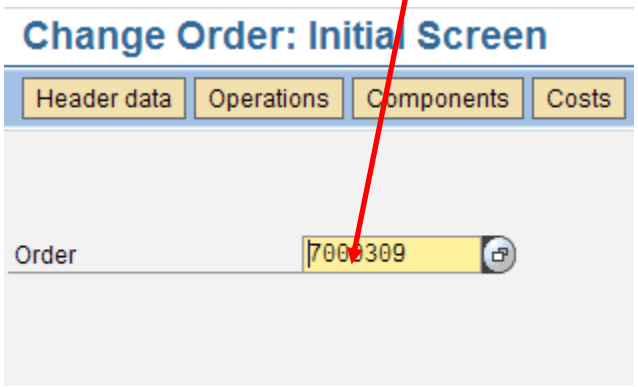
SAP R/3 PM
Change Work Order



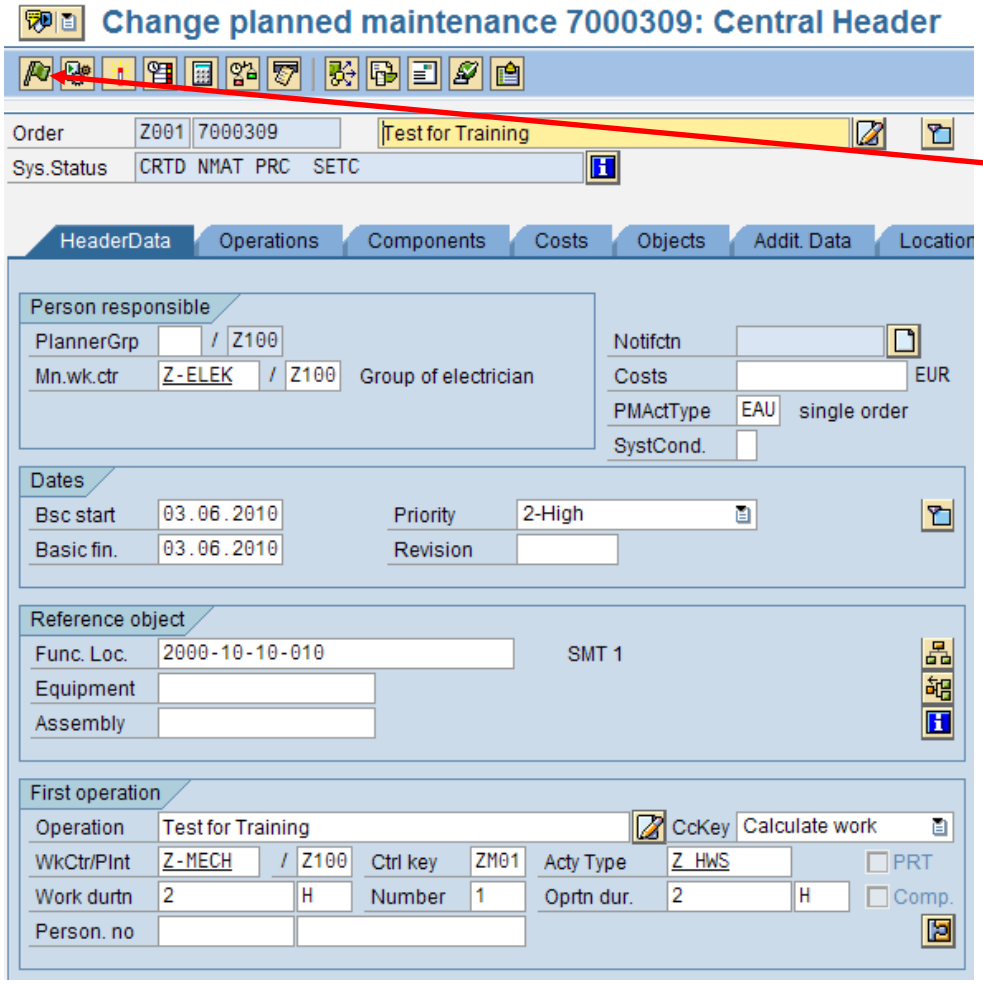
Transaction IW32 – Change

The last created or modified work order are displayed as proposal value.

Press ENTER



SAP R/3 PM
Change Work Order

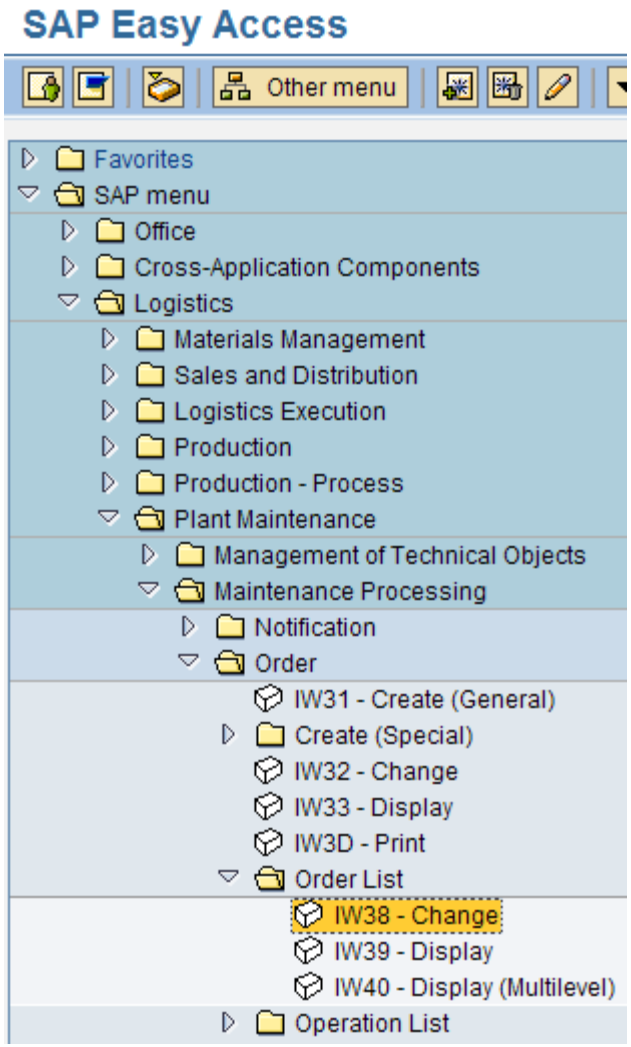


Change or add data

Release the work order with the button

Save the work order

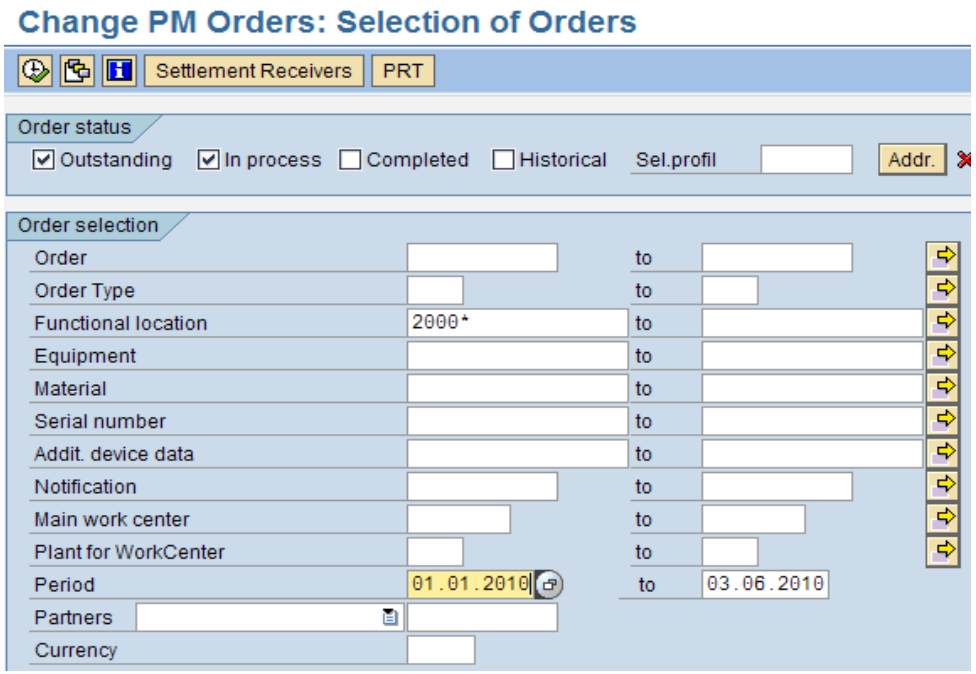
SAP R/3 PM Order List



Transaction IW38 – Change / IW39 – Display

Create the order list with following selection parameters:

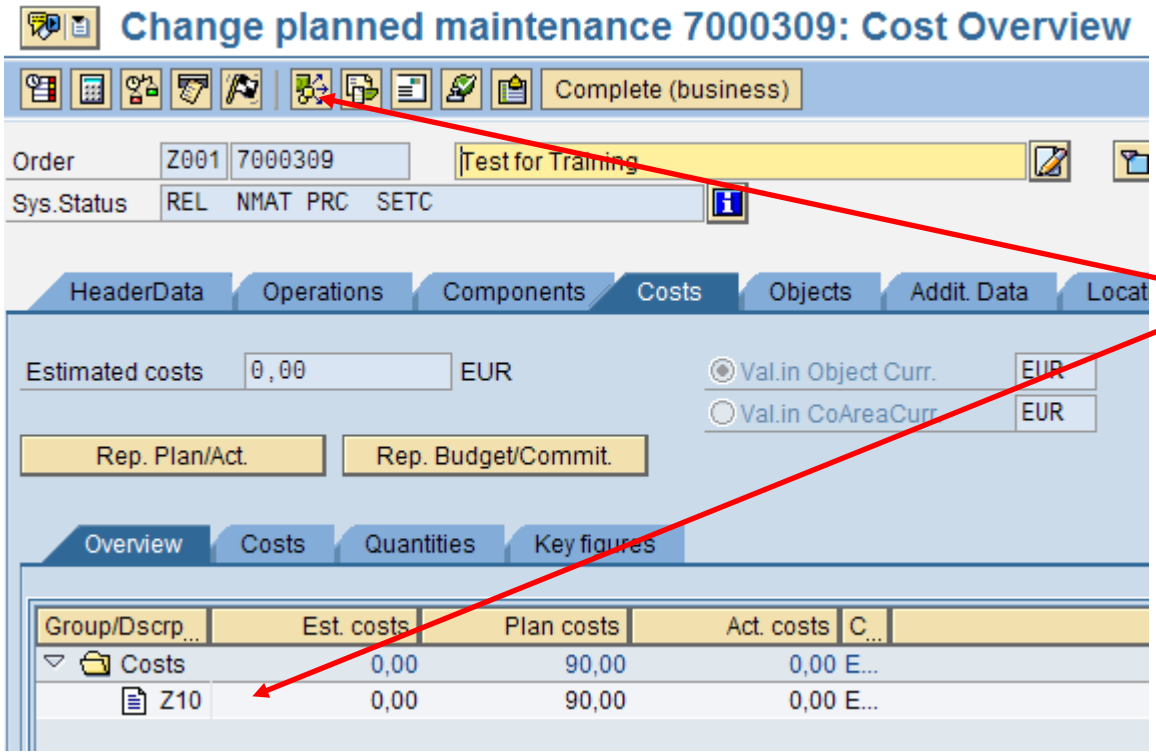
Order status:	outstanding, in progress
Functional Location:	2000*
Period:	01.01.2010 - today



SAP R/3 PM
Order List

Select one work order with double click on the order number.

SAP R/3 PM
Work Order

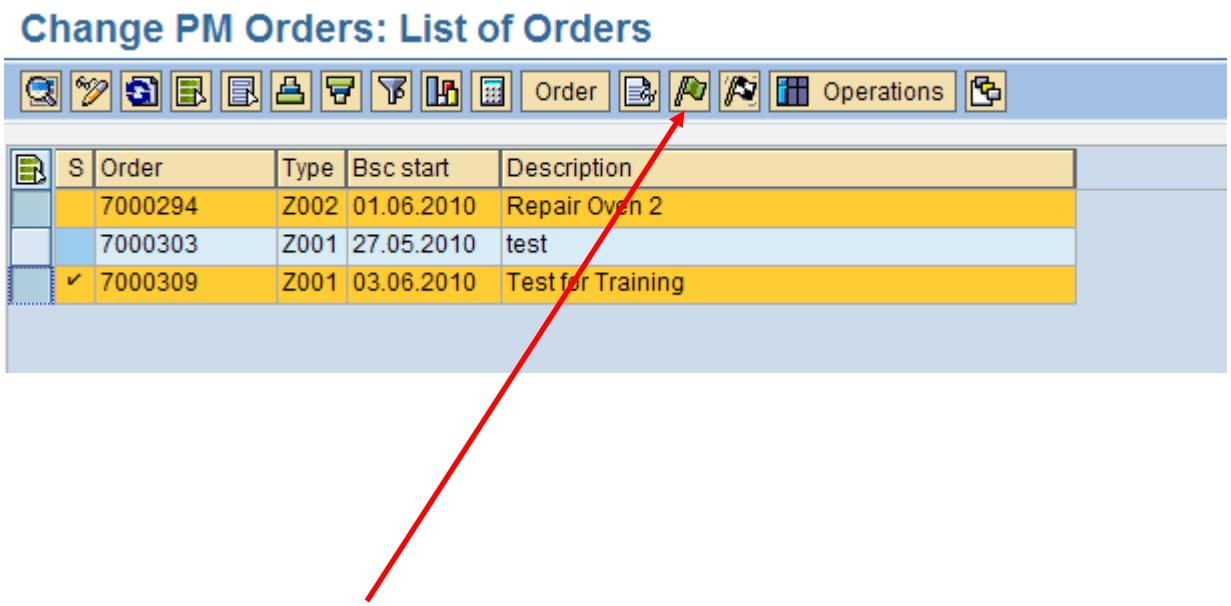


At the cost overview you can see the planned costs.

If you want change the settlement rule then press the button

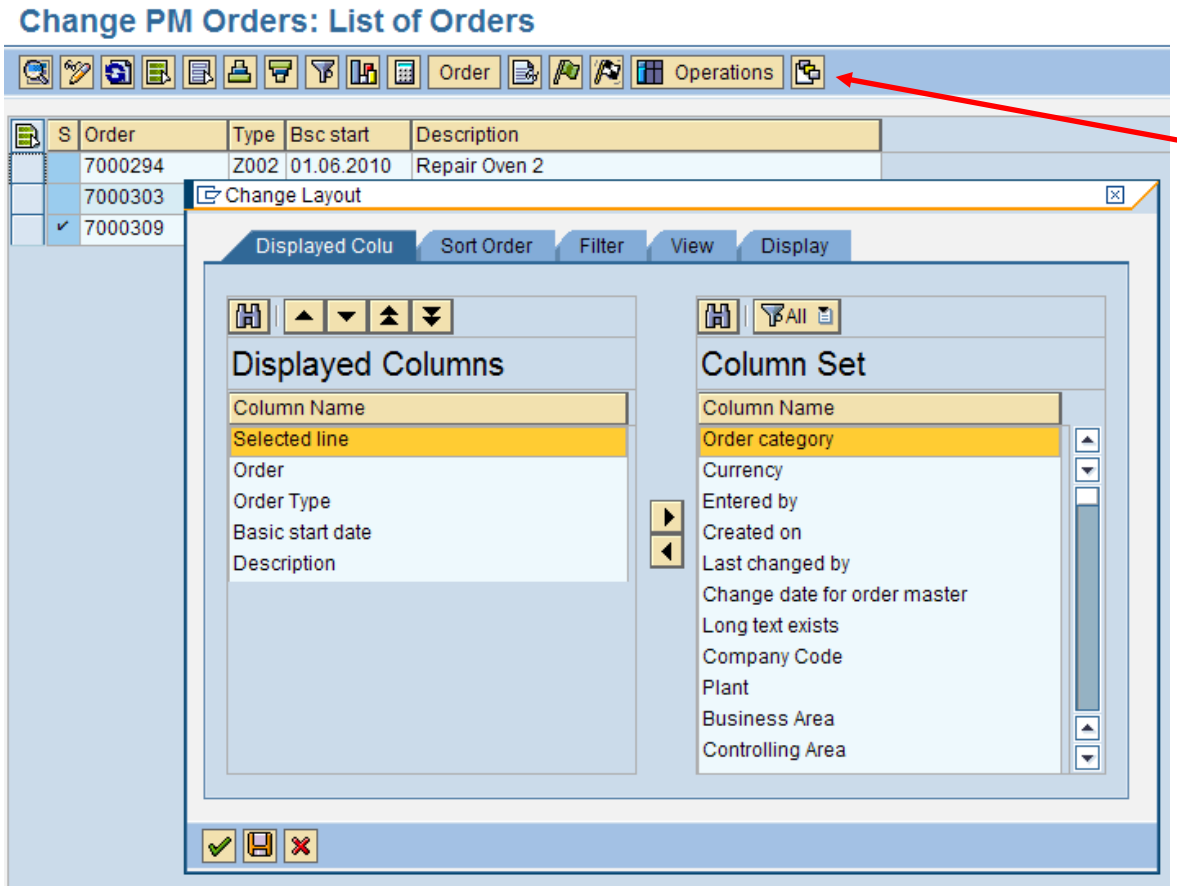
Save and exit.

SAP R/3 PM
Order List



If you have not released work orders at these list, then can you mark one ore more and press the button

SAP R/3 PM
Modify Order List

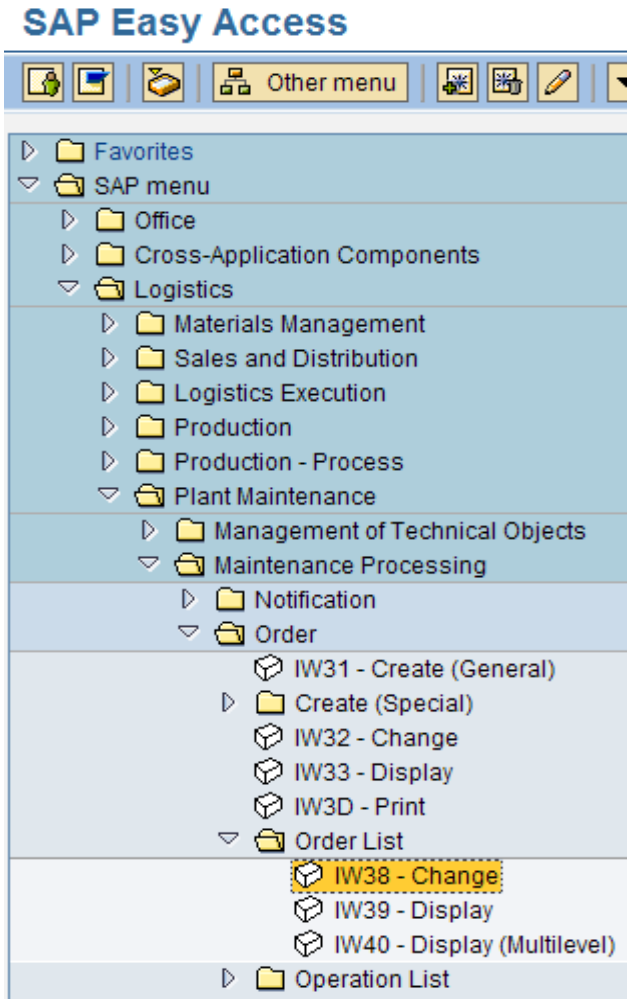


Press the button

Now you can create your own layout for these list.

If you want, then you can save the layout as variant.

SAP R/3 PM Order List



Transaction IW38 – Change / IW39 – Display

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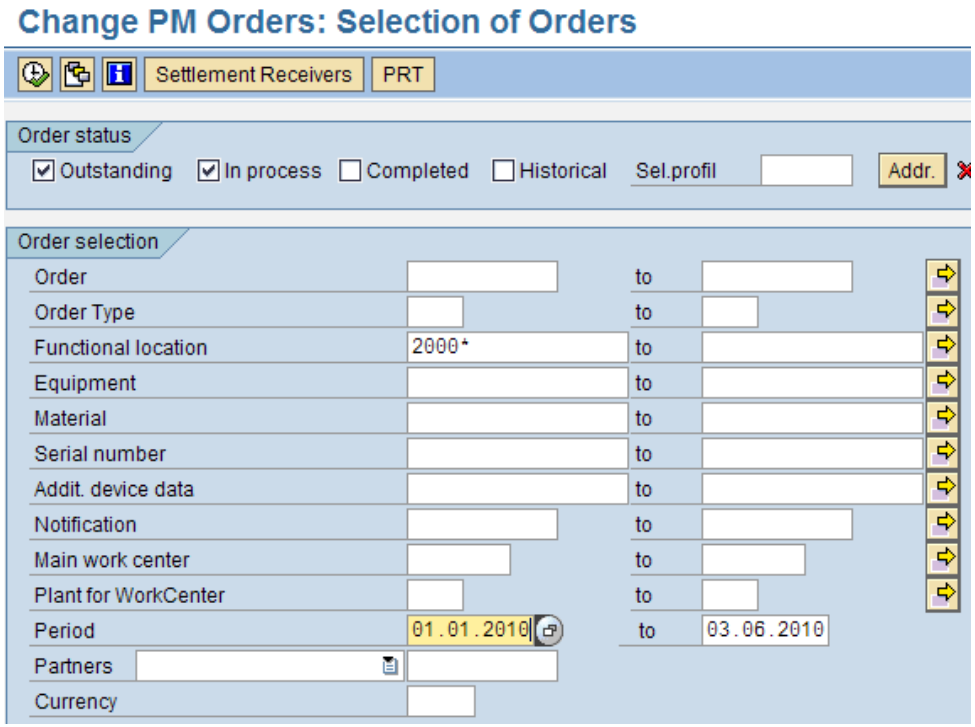
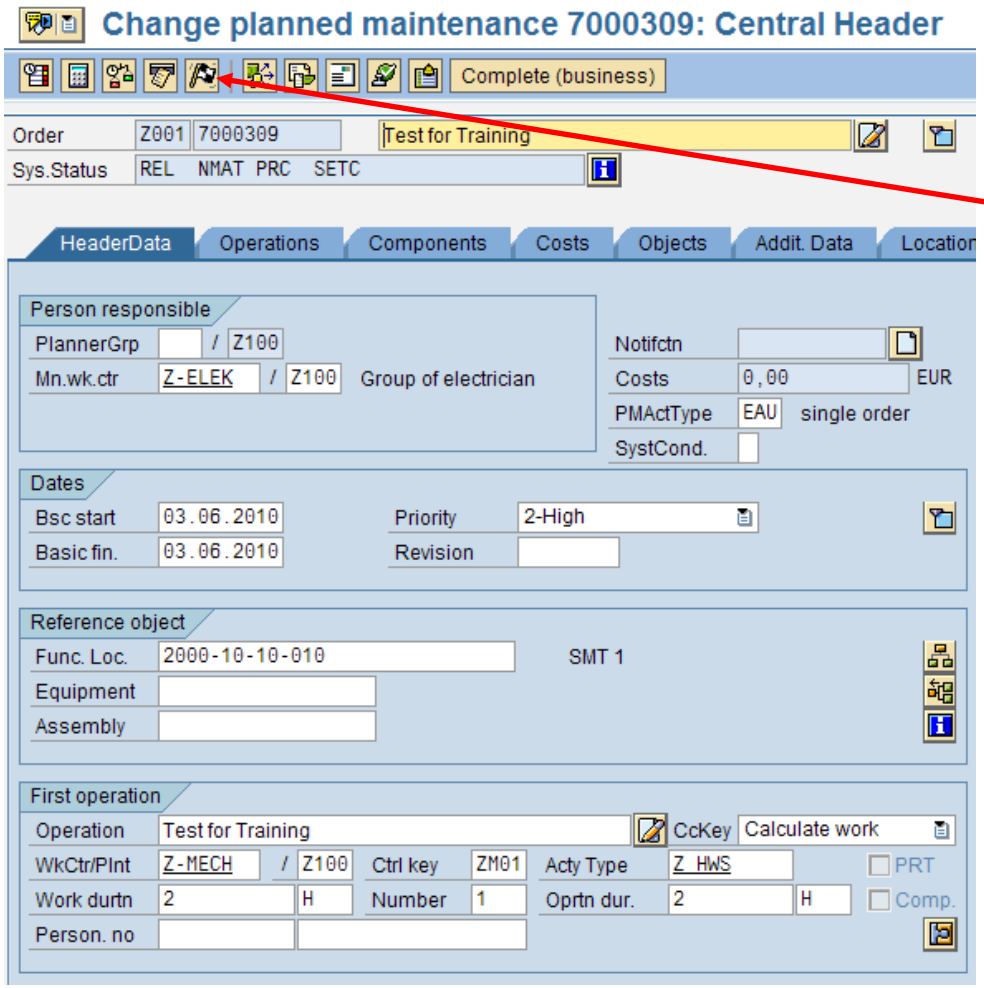
Order status:	outstanding, in progress
Functional Location:	2000*
Period:	01.01.2010 - today



SAP R/3 PM
Order List

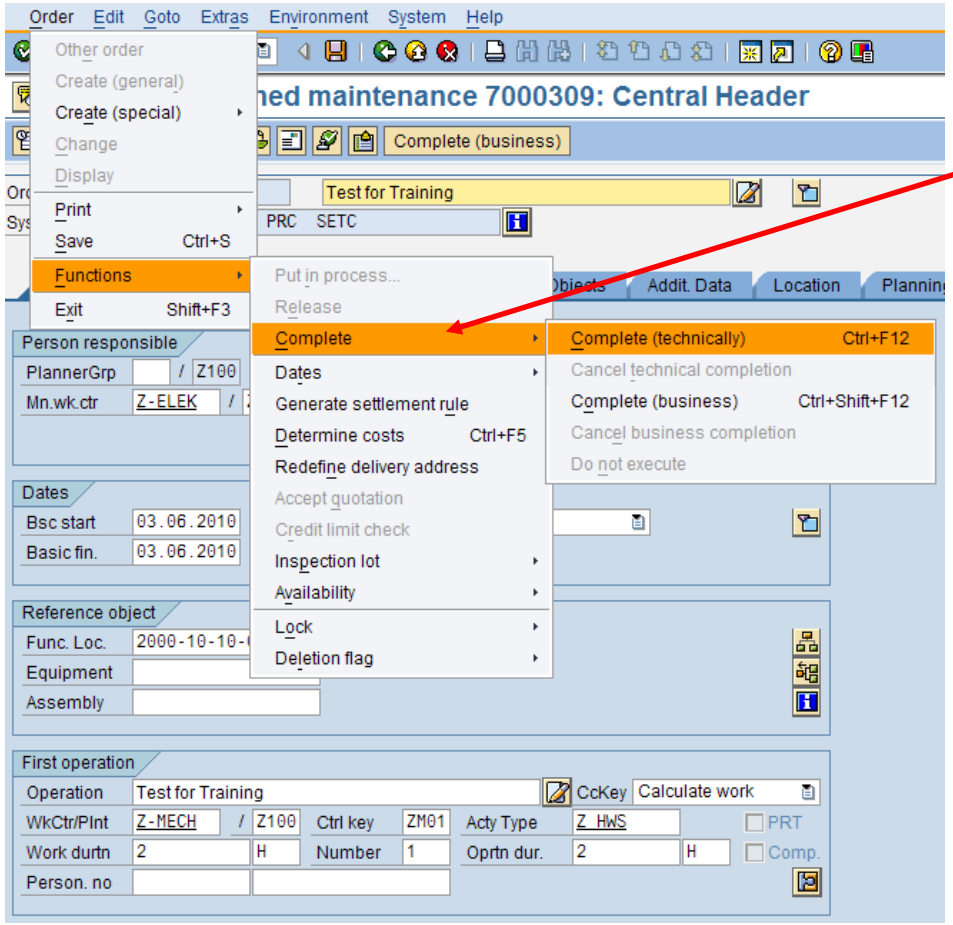
Select one work order with double click on the order number.

SAP R/3 PM
Work Order



For complete (technical) click on the button

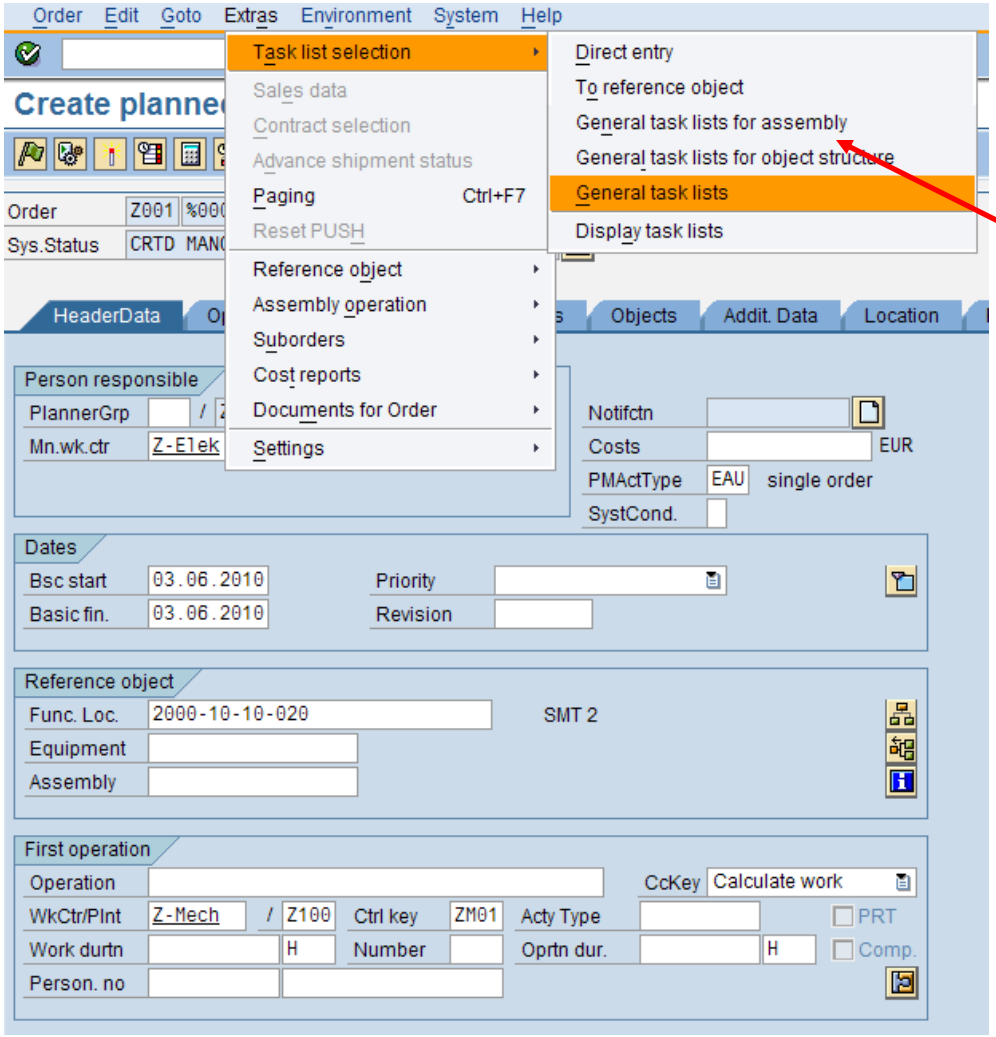
SAP R/3 PM
Work Order



For complete (technical) you can also use the menu path.

REMARK
If it is necessary to change information at the work order after the complete, then you can chancel the complete.

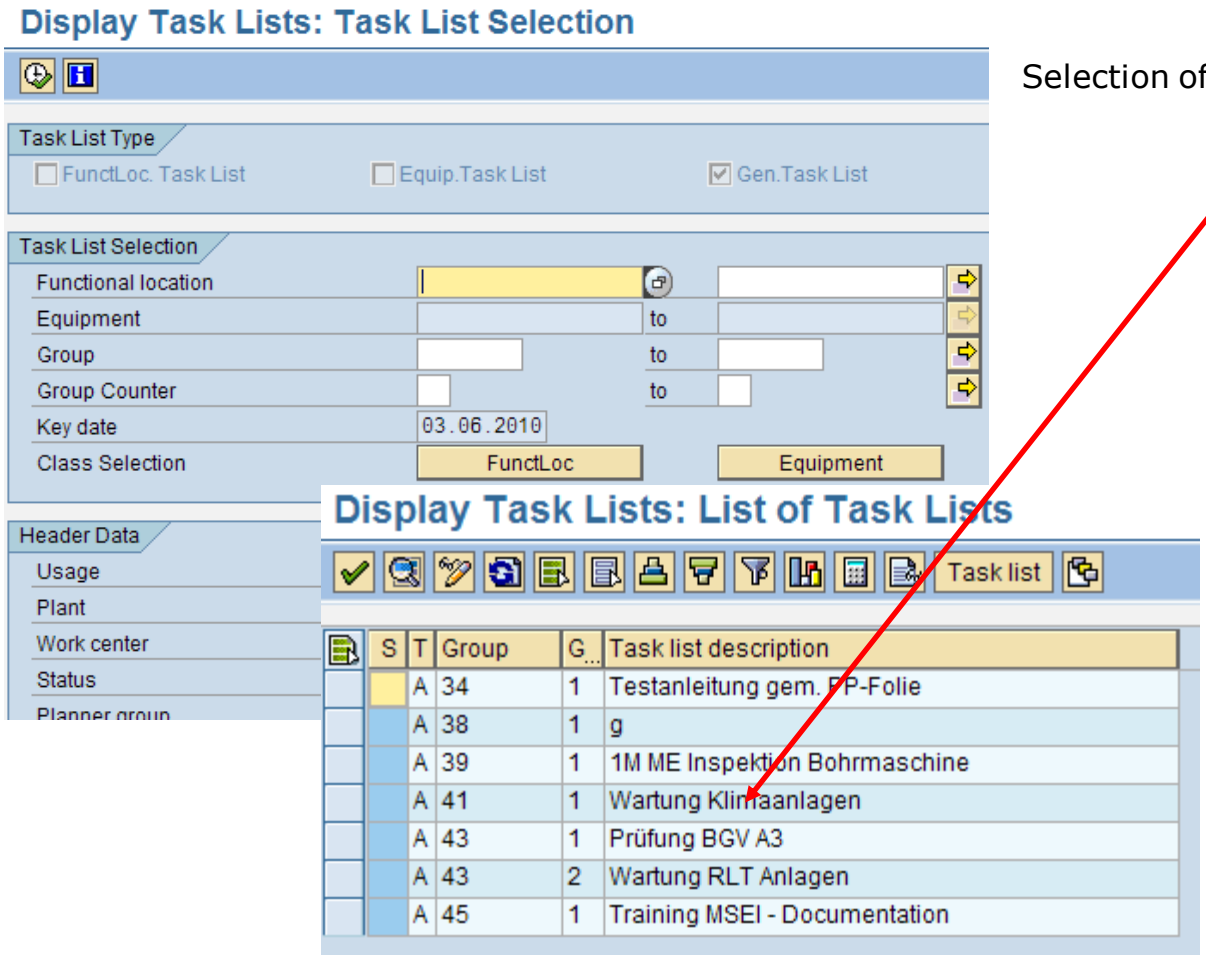
SAP R/3 PM
Work Order



Create a new work order with transaction IW31 or use the structural display.

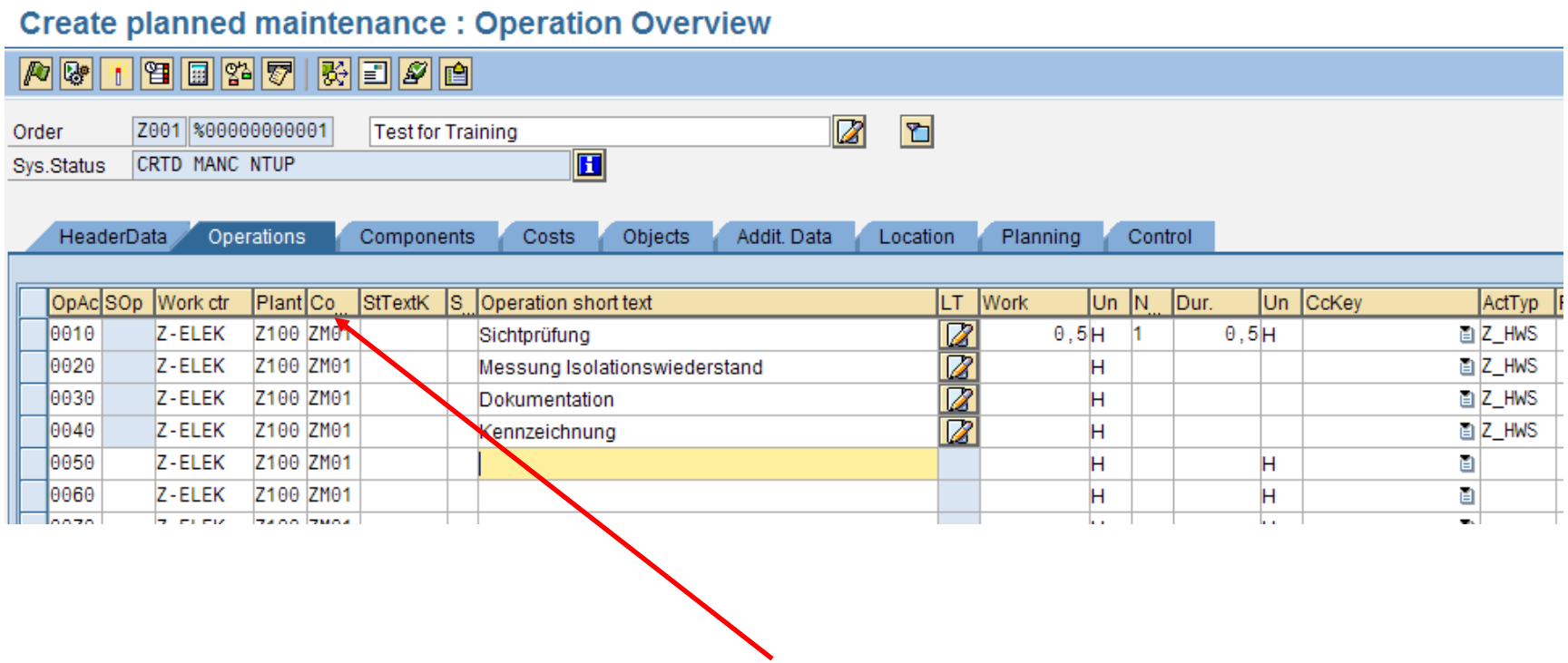
You can attached to the work order an task list. Use the menu path.

SAP R/3 PM
Work Order



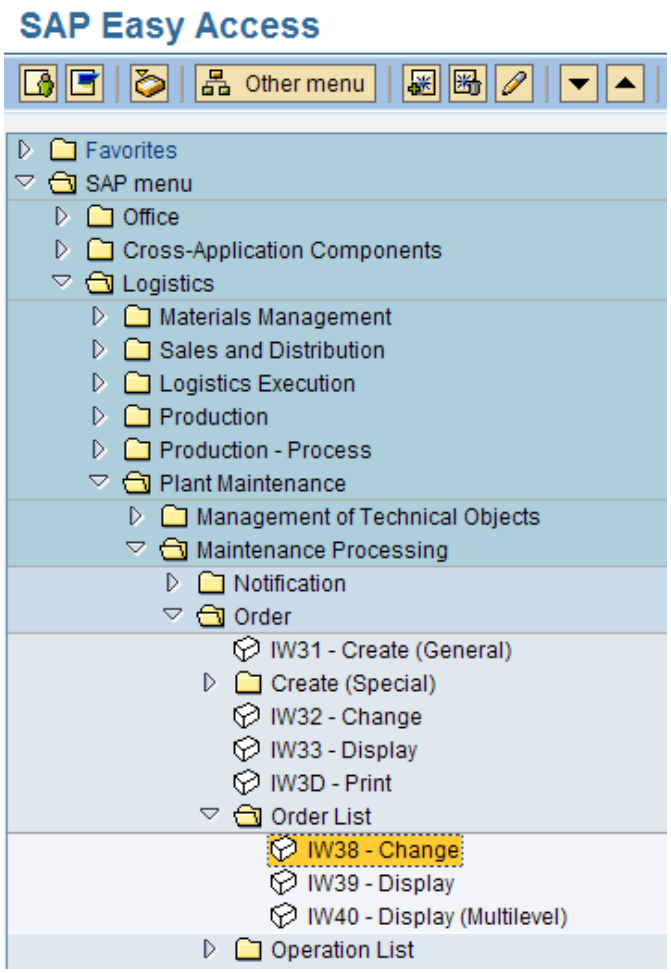
Selection of the relevant task list

SAP R/3 PM
Work Order



The task list are attached and the operation are listed.

SAP R/3 PM
Order List

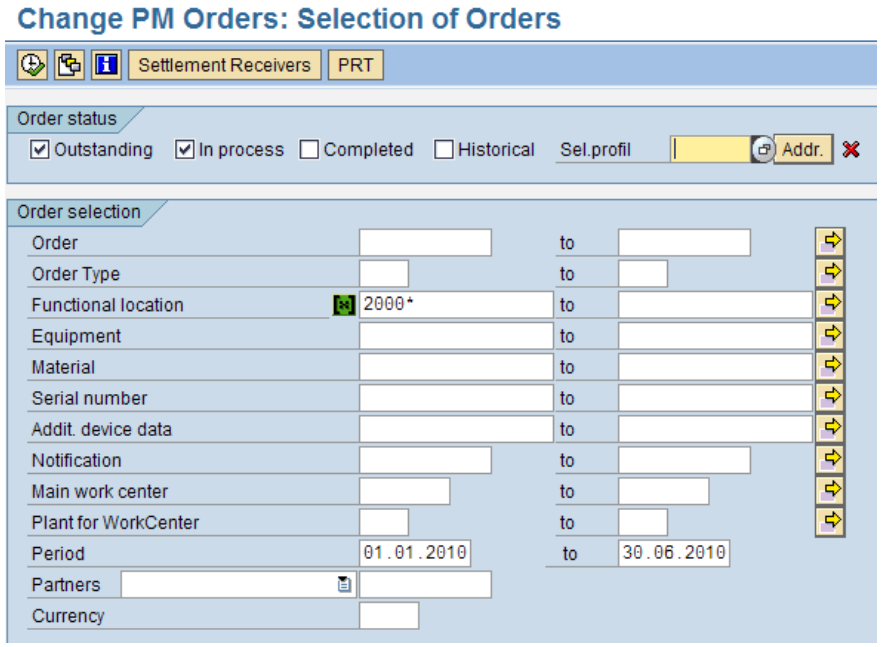


For the planning of the work load for the next month, you can create the order list with all work orders for the main work center, for the work center or an complete list.

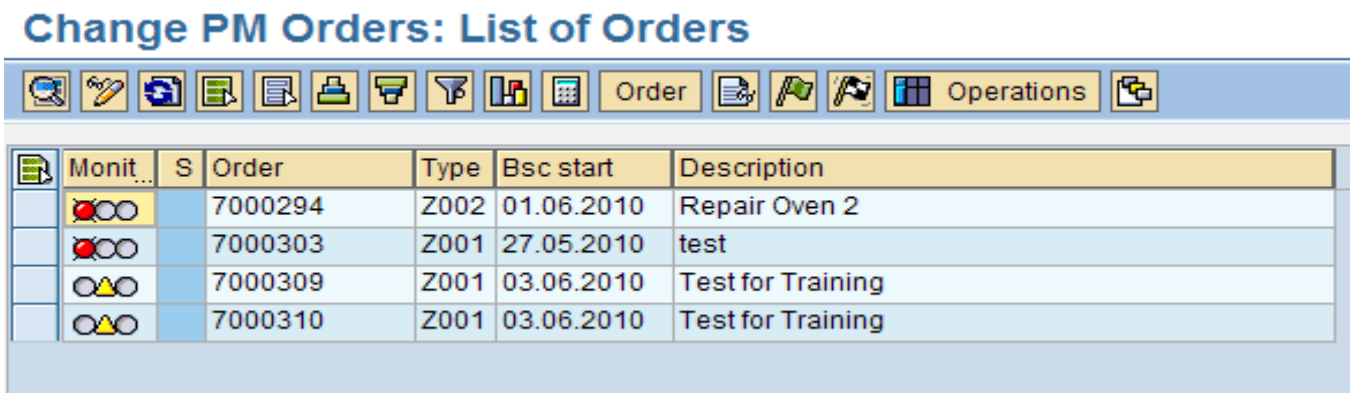
Select at the screen the parameters

Example:
Overview for the months 01 – 06

Use the monitor to display the priority or the due - date



SAP R/3 PM
Work Order



Modify the list for you own requirements.

SAP R/3 PM
Work Order

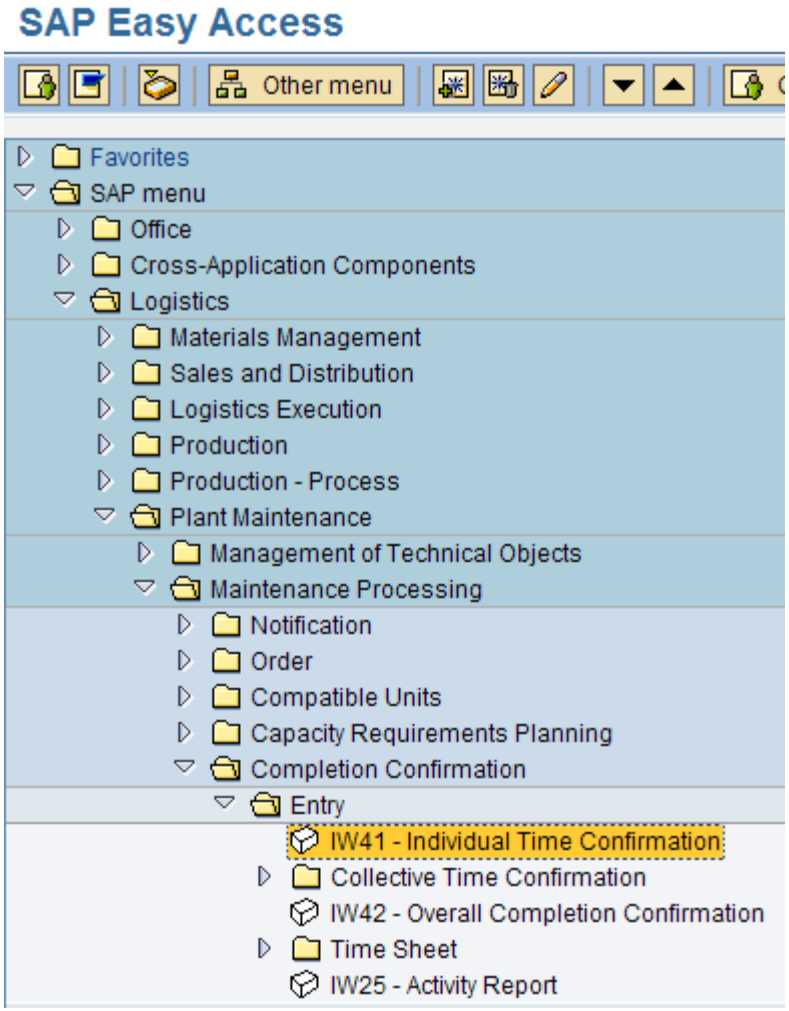
Tutorial

Create Work Order	IW31
Create Work Order from Structural Display	IH01
Change Work Order	IW32
Work Order List (Change Mode)	IW38
Release Work Order	IW32
Complete Work Order	IW32
Create Work Order with Task List	IW32
Create Report with Order List	IW39

Chapter…

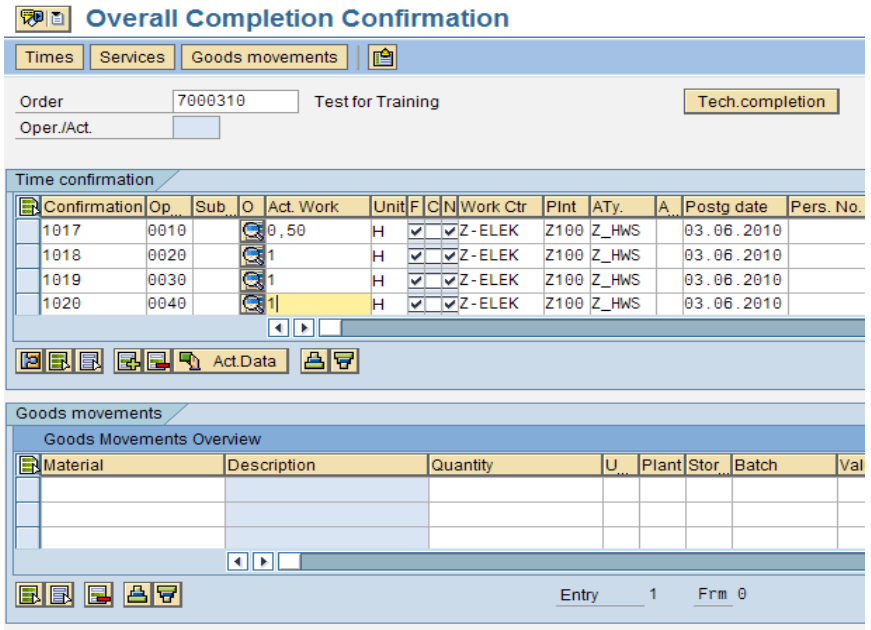
Confirmation

SAP R/3 PM Confirmation

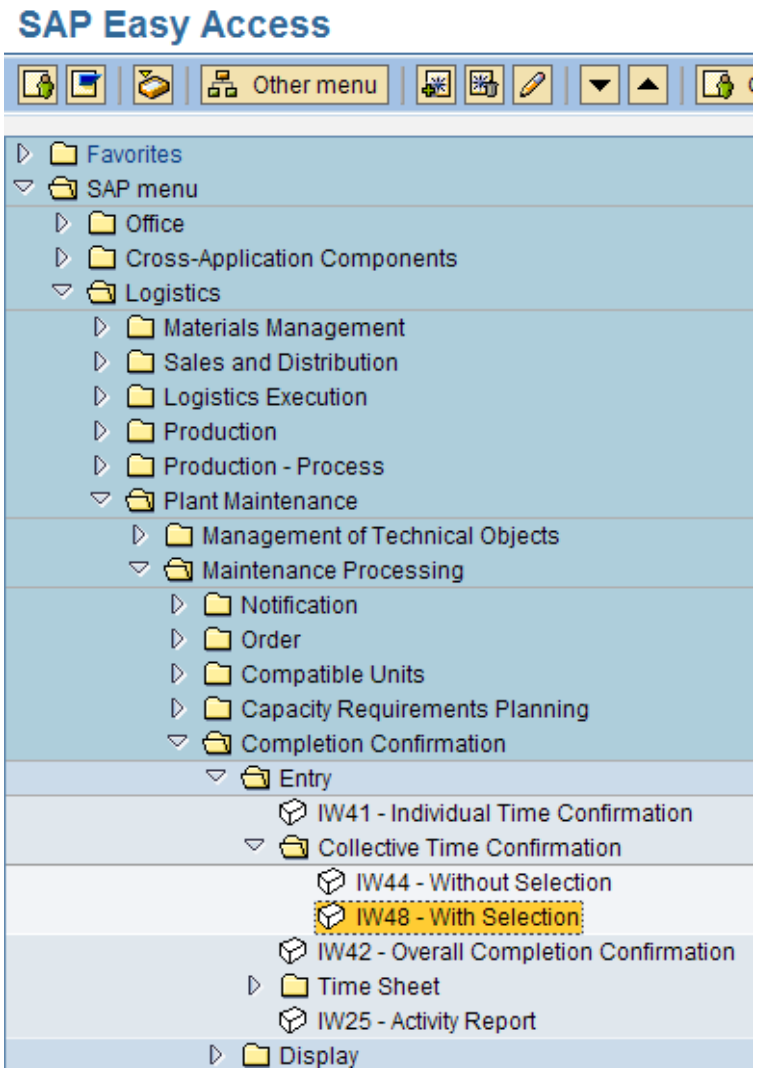


Transaction IW42 - Overall Completion Confirmation

You can edit the working time to the relevant operation.

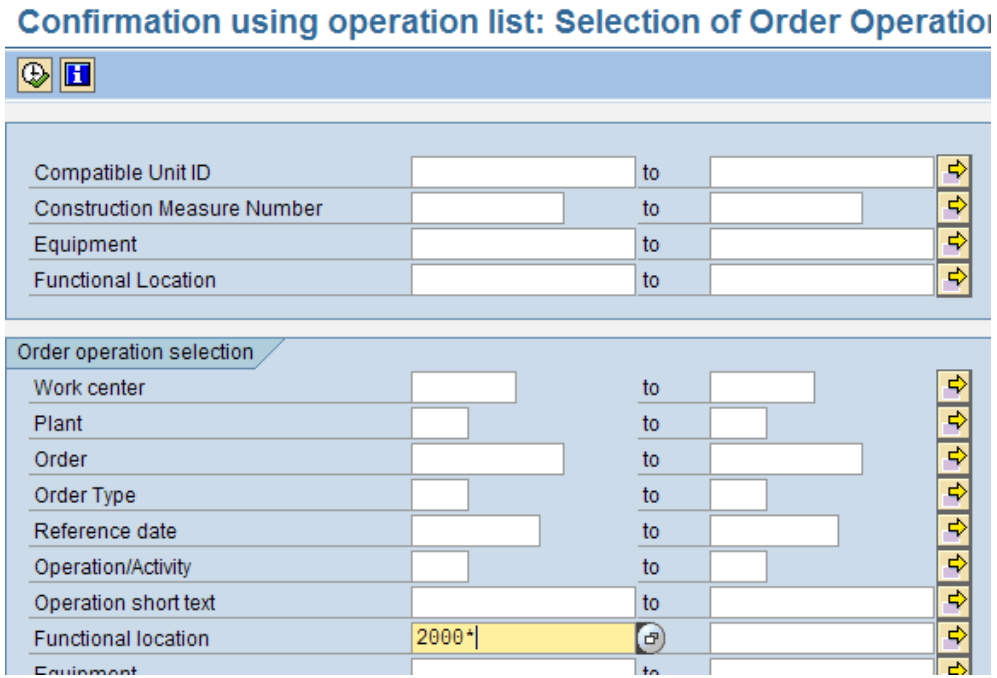


SAP R/3 PM Confirmation

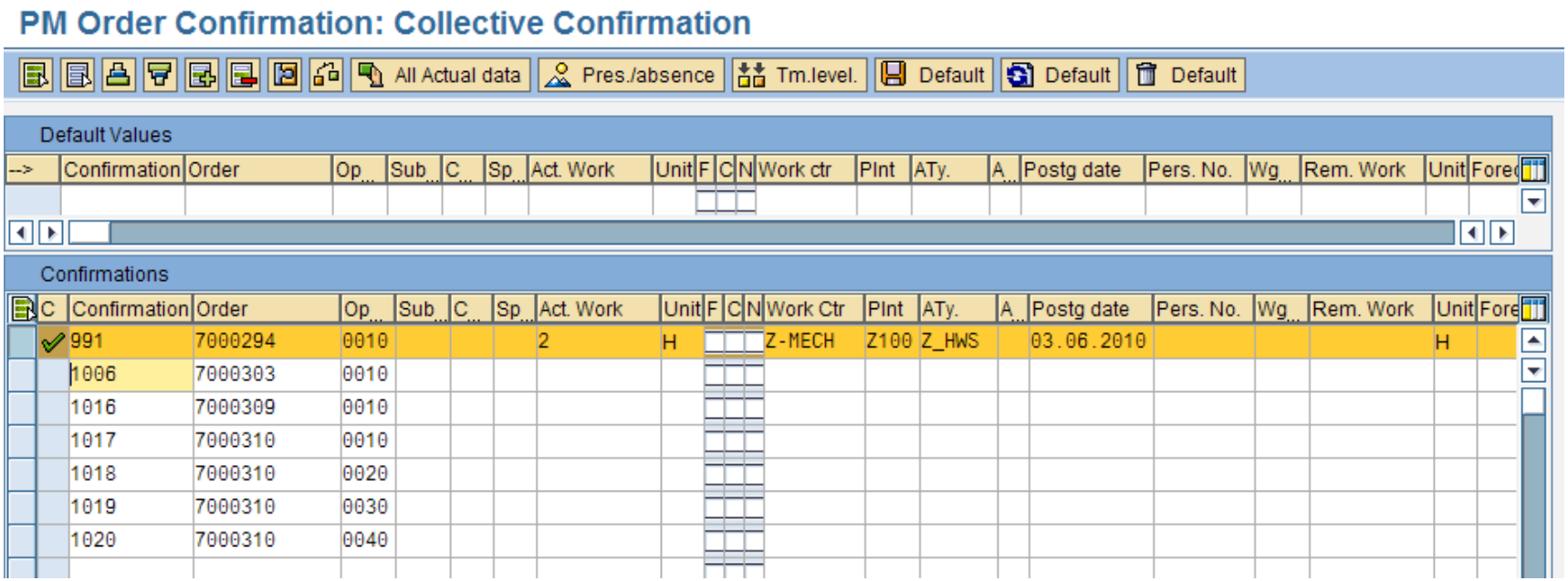


Transaction IW428- With Selection

Select the functional location.



SAP R/3 PM
Confirmation



Edit the relevant data.

SAP R/3 PM
Confirmation

Tutorial

Individual Time Confirmation	IW41
Overall Completion Confirmation	IW42
Collective Time Confirmation	IW48

Demonstration Optimized Confirmation

Thank you

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