



SAP  Maintenance

Power User - Training Manual

ENSIAB

Smooth flow of Materials.Info.Cash

Corrective maintenance

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Contents

1.	Corrective Maintenance process description	4
2.	Create failure notification(Notification is created most of the time by production and even maintenance people can also create it when failure is identified during predictive and preventive maintenance)	4
3.	View Notification and create work order(Maintenance departments people will execute)	9
4.	Print Work order and store issue advice(Maintenance dept will do this function)	13
5.	Materials issue from store(Will be executed by store person)	14
6.	Confirm Work hours and record objects parts, damages and causes.	14
7.	Similarly create Mefscos modification notification.	15
8.	Similarly create Mefscos event	17



REVISION HISTORY			
Revision #	Revision Date	Summary of Changes	Updated by

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1. **Corrective Maintenance process description**

Corrective maintenance as maintenance which is carried out after failure detection and is aimed at restoring an asset to a condition in which it can perform its intended function.

2. **Create failure notification(Notification is created most of the time by production and even maintenance people can also create it when failure is identified during predictive and preventive maintenance)**

Menu	Logistics →Plant maintenance →Maintenance processing□ Notification □ Create(general)
Transaction Code	IW21

The screenshot shows the SAP 'Create PM Notification: Initial Screen' dialog box. At the top, there is a title bar with the text 'Create PM Notification: Initial Screen'. Below the title bar, there is a section labeled 'Notification'. Inside this section, there is a 'Notification type' field with a dropdown menu. The dropdown menu is open, showing 'FM' as the selected option. A red box highlights the 'FM' option. Below the 'Notification type' field, there is a 'Notification' input field. Below the 'Notification' input field, there is a 'Reference' section. Inside the 'Reference' section, there is a 'Notification' input field.

Select notification type “FM-MEFSCO FM” as shown in above and click enter.

Create PM Notification: MEFSCO FM



Notification

§000000000001 FM

Notific. Status

OSNO

Order

Notification

Items

Reference object

Functional loc.

Equipment

Assembly

Subject

Description

Click on the option in equipment field.

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Display Equipment: Equipment Selection

Equipment Selection

Equipment		☐		
Equipment descriptn		to		
Material		to		
Serial Number		to		
Period	From 04.09.2015	to	04.09.2015	
Partner				
Selection Profile			Address	

Classification

Class Type		☐	Include Subordinate Classes	
Class			Valuation	

Location Data

Maintenance plant	1701			
Location		to		
Room		to		
Plant section		to		
Work center		to		
ABC indicator		to		
Sort field	PU-51900B	to		
Company Code		to		
Controlling Area		to		
Business Area		to		
Asset		to		
Subnumber		to		
Cost Center		to		
WBS Element		to		
Standing order		to		
Settlement order		to		

Field Name	Description	Comment
Maintenance plant	Maintenance plant	Enter 1701 always
Sort field	Sort field	If you know technical id of location enter here otherwise leave it

In location data enter above date and click execute.

Create PM Notification: MEFSO FM

Notification

%000000000001 FM

Notific. Status

OSNO

Order

Notification

Items

Reference object

Functional loc.

Equipment

2002315

Assembly

Subject

Description

Equipment will be selected and press enter

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Create PM Notification: MEFSCO FM

Notification: %000000000001 FM Pump Failure

Notific. Status: OSNO

Order:

Reference object

Functional loc.: 1701-021-921501-P... BORE WELL 2 PUMP

Equipment: 2002315 SP-125-7 PUMP -01

Assembly:

Subject

Description:

Start/End Dates

Required Start: 04.09.2015 19:45:15 Priority:

Required End: 00:00:00 ☐ Breakdown

Malfunction data

Malfunct. start: 04.09.2015 19:45:15 ☐ Breakdown

All data related to equipment will be loaded

Field Name	Description	Comment
Short text	Short Text	Enter Notification short text
Functional loc.	Functional location	Automatically comes based on equipment
Required Start	Required Start	Automatically program fetches system current date if you want to specify manually you can enter here
Priority	Priority	Select priority to indicate criticality

Required End	Required end	Enter date when production team want it to be completed
Malfunct.start	Malfunction start	Enter the malfunction start date if it is 100% sure related to failure. Majority cases it is entered by maintenance

Click on save  button to generate notification number

 Notification 8000083 saved

3. View Notification and create work order(Maintenance departments people will execute)

Menu	Logistics → Plant maintenance → Maintenance processing ☐ Notification ☐ List editing ☐ Change
Transaction Code	IW28

Location Data/Acc.Assignment/Maint. Plan

Maintenance plant	1701	to		➡
Location		to		➡
Room		to		➡
Sort field		to		➡
Plant section		to		➡
ABC indicator		to		➡
Cost Center		to		➡
Company Code		to		➡
Business Area		to		➡
Asset		to		➡

Others

Paging status		to		➡
Layout	A			
Ref. field monitor				

Enter maintenance plant 1701 and click  execute button.

Change Notifications: List of Notifications

Typ	Notification	Notif.date	Equipment	Equipment descriptn	Description	SysStat..	Created	Order	Functional Location	Description of functional location
EV	10000002	30.08.2015	2002315	SP-125-7 PUMP -01	Create Event Notification	OSNO	XSRJNL...		1701-021-921501-PU-51900B	BORE WELL 2 PUMP
FM	80000083	04.09.2015	2002315	SP-125-7 PUMP -01	Pump Failure	OSNO	XSRJNL...		1701-021-921501-PU-51900B	BORE WELL 2 PUMP

List of outstanding notifications will be displayed. To further process notification select the line and click on  icon.

Create MEFSCO Corrective Maintenance Order : Central Header

Order: MF02 \$000000000001 Pump Failure

Sys.Status: CRID MANC NTUP

Person responsible

PlannerGrp: MFS / 1701 MEFSCO PGR

Mn.wk.ctr: MEFSCO / 1701 MEFSCO MAINTENANCE

Notifctn: 8000083

Costs: SAR

SystCond.

Dates

Bsc start: 04.09.2015 19:45

Basic fin.: 00:00

Revision:

Reference object

Func. Loc.: 1701-021-921501-P... BORE WELL 2 PUMP

Equipment: 2002315 SP-125-7 PUMP -01

Assembly:

First operation

Operation: Pump Failure

CcKey: 2 Calculate work

WkCtr/Plnt: MEFSCO / 1701 Ctrl key: PM01 Acty Type: PRT

Work durtn: HR Number: Oprtn dur.: HR Comp.

Order screen will be displayed click on **Operations** tab.

Create MEFSCO Corrective Maintenance Order : Operation Overview

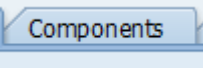
Order: MF02 \$000000000001 Pump Failure

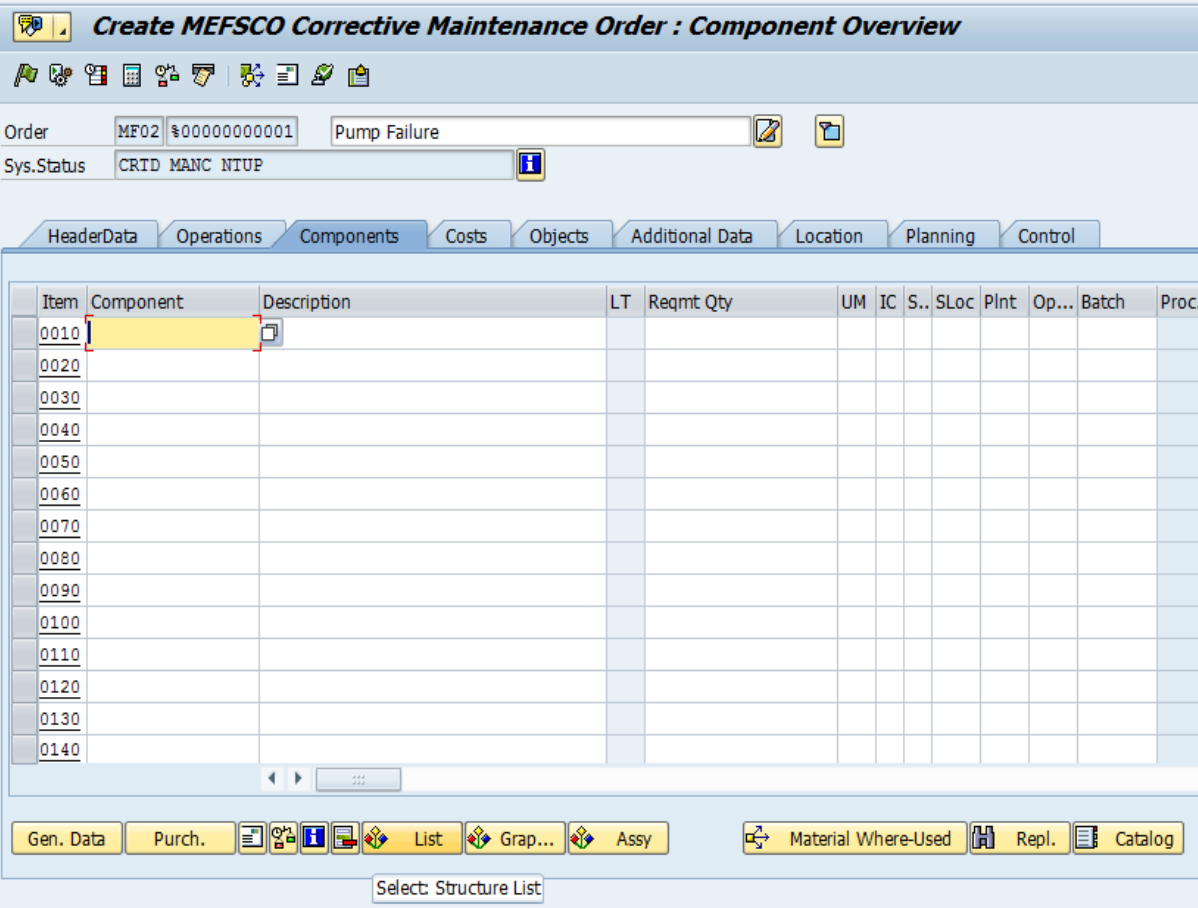
Sys.Status: CRID MANC NTUP

Op...	SOp	Work ctr	Plant	Co...	StTextK	S...	Operation short text	LT	Actual work	Work	Un	Nu...	Dur.	Un	C.Key	ActTyp
0010		MEFSCO	1701	PM01			Pump Failure		0.0	10.0	HR	1	10.0	HR	2 Calculate	
0020		MEFSCO	1701	PM01					0.0	HR			HR			
0030		MEFSCO	1701	PM01					0.0	HR			HR			
0040		MEFSCO	1701	PM01					0.0	HR			HR			

Field Name	Description	Comment
Operation short text	Operation short text	Enter operations to be carried out
Work	Work	Automatically comes based on Duration and number of capacity
No	No of capacity	Enter no of people required to carry out operations

Duration	Duration	Enter planned hours for operation
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Click on components  tab



Create MEFSCO Corrective Maintenance Order : Component Overview

Order: MF02 \$000000000001 Pump Failure

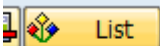
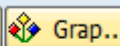
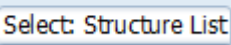
Sys.Status: CRTD MANC NTUP

HeaderData Operations **Components** Costs Objects Additional Data Location Planning Control

Item	Component	Description	LT	Reqmt Qty	UM	IC	S..	SLoc	Plnt	Op...	Batch	Proc
0010												
0020												
0030												
0040												
0050												
0060												
0070												
0080												
0090												
0100												
0110												
0120												
0130												
0140												

Gen. Data Purch. List Grap... Assy Material Where-Used Repl. Catalog

Select: Structure List

Click on    to open bill of materials.



Click on this to calculate planned costs

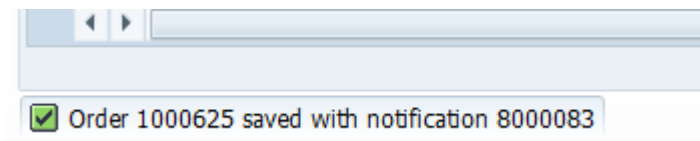


Click on this to schedule & determine planned end date of maintenance work



Release the work order if you want execute maintenance work.

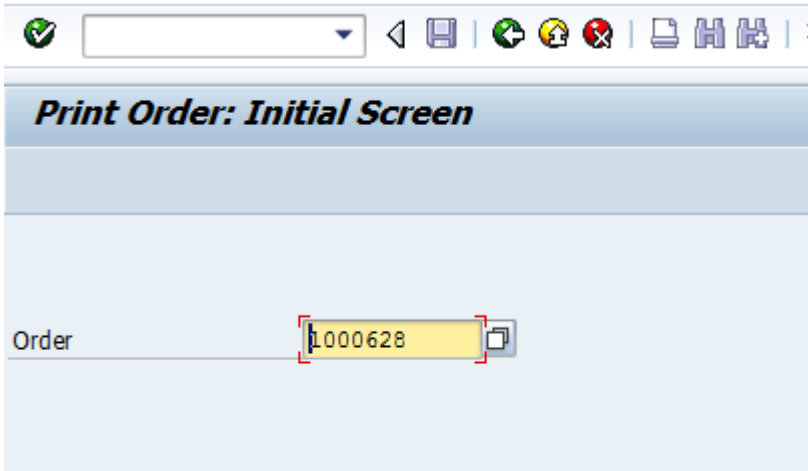
Click on save button  to save the actions.



Order number will be generated after saving .

4. Print Work order and store issue advice(Maintenance dept will do this function)

Menu	Logistics →Plant maintenance →Maintenance processing ☐ Order ☐ Print
Transaction Code	IW3D



Input order number and press enter

Order MF02 1000625 Pump Failure

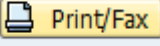
Select Shop Papers

Sh...	Description	OutputDevice	P..	Nu...	D..	P..	D..	N..	S...	O...	Recipient number
MF01	Mefscs-Maintenance order form	P TEN	☐	1	☐	☒	☒	☒		EN	
MF02	Mefscs-Stores Issue Advice	P TEN	☐	1	☐	☒	☒	☒		EN	

Print/Fax Multiple Fax Print Preview

SystCond.

Dates

Select required form and press  button.

5. Materials issue from store(Will be executed by store person)

Menu	Logistics →Materials management ☐ Inventory management ☐ Goods movement ☐ Goods movement
Transaction Code	MIGO

Goods Issue Order 1000625 - XSRINIVAS

Hide Overview ☐ Hold Check Post Help

My Documents

- Purchase Orders
 - 4900000054
 - 4400000106
 - 4900000053
 - 4900000052
 - 4900000037
 - 4900000038
 - 4900000039
 - 4900000040
 - 4900000041
 - 4900000043
- Orders
 - 1000625
 - 1000622
 - 1000619
 - 1000618
- Reservations
 - Blank
- Material Documents
 - 49000034775
 - 49000034774
 - 5000003756
 - 49000034767
 - 5000003754
 - 49000034765
 - 49000034764
 - 49000034763
 - 49000034762
 - 49000034761

Document Date 04.09.2015 Material Slip

Posting Date 04.09.2015 Doc.Header Text

☐ 1 Individual Slip

Line	Mat. Short Text	OK	Qty in UnE	E...	SLoc	Order	Op...	Co...	Batch	Valuation ...	M...	D Stock Type
1	IMPELLER FOR PUMP DIA-4.8750"	☒	1	PC	Spare parts	1000625	0010	1700			261	Unrestrict...
2	ROTOR #11 [ALPHA HELICAL PUMP]	☒	1	PC	Spare parts	1000625	0010	1700			261	Unrestrict...

Material Quantity Where Reservation Account Assignment

Movement Type 261 ☐ GI for order Stock type Unrestricted use

Plant Al Kharij MEFSKO 1701

Storage Location Spare parts 0630

Goods recipient

Unloading Point

Text

☒ Item OK Line 2

6. Confirm Work hours and record objects parts, damages and causes.

Menu	Logistics →Plant maintenance ☐ Maintenance processing ☐ Completion confirmation ☐ Overall completion confirmation
Transaction Code	IW42

Overall Completion Confirmation

Order ☐ump Failure Tech.completion

Oper./Act.

Time confirmation

Confirmation	Op...	Su...	O...	Act. Work	U...	F	C	N	Work Ctr	Plnt	ATy.	A...	Postg date	Pers. No.	W...	Rem. Wc
7472	0010			10.0	HR	☒	☒		MEFSCO	1701			04.09.2015			

Items

Itm	No.	Code gr...	Ob...	Object part	Code gr...	Da...	Damage	Text
1	1	MF-PU	1006	BASE	1006	2040	CRACKED	
2	2	MF-PU	1007	BELT	1007	2048	DAMAGED	
0								
0								

Entry 1 of 2

Causes

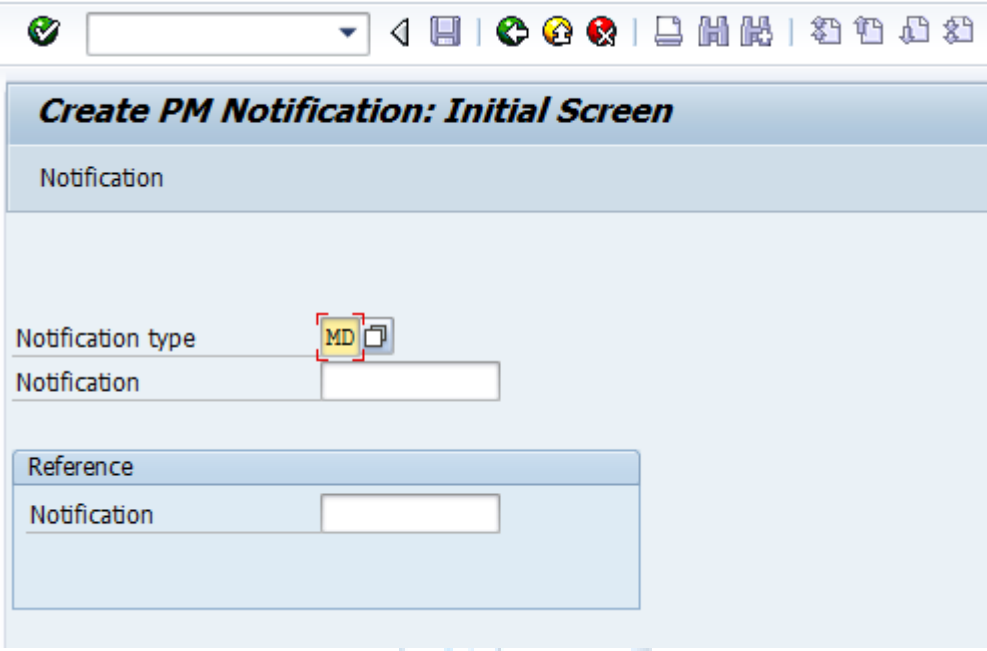
Itm	Code gr...	Ca...	Cause code text	Cause text	C...	C Ca...
2	2048	3125	IMPROPER INSTALLATION			5 1

Enter actual time of work hours , object parts , damages and causes.

Select save button on top to save confirmation.

7. Similarly create Mefscos modification notification.

Menu	Logistics →Plant maintenance →Maintenance processing ☐ Notification ☐ Create(general)
Transaction Code	IW21



The screenshot shows a software window titled "Create PM Notification: Initial Screen". At the top is a toolbar with icons for a checkmark, a dropdown menu, and various file operations like save, open, and print. Below the toolbar is a section labeled "Notification". Inside this section, there is a label "Notification type" next to a text input field containing "MD". To the right of the input field is a small icon of a document with a plus sign. Below this is another label "Notification" next to an empty text input field. At the bottom of the window is a section labeled "Reference" which contains a label "Notification" next to another empty text input field.



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Create PM Notification: MEFSKO MOD

Notification: 800000000001 MD Modify the Pump

Notific. Status: OSNO

Order:

Notification Items

Reference object

Functional loc.: 1701-021-921501-P... BORE WELL 2 PUMP

Equipment: 2002315 SP-125-7 PUMP -01

Assembly:

Subject

Description: Modify the Pump

Start/End Dates

Required Start: 04.09.2015 21:38:24 Priority:

Required End: 00:00:00 Breakdown:

Malfunction data

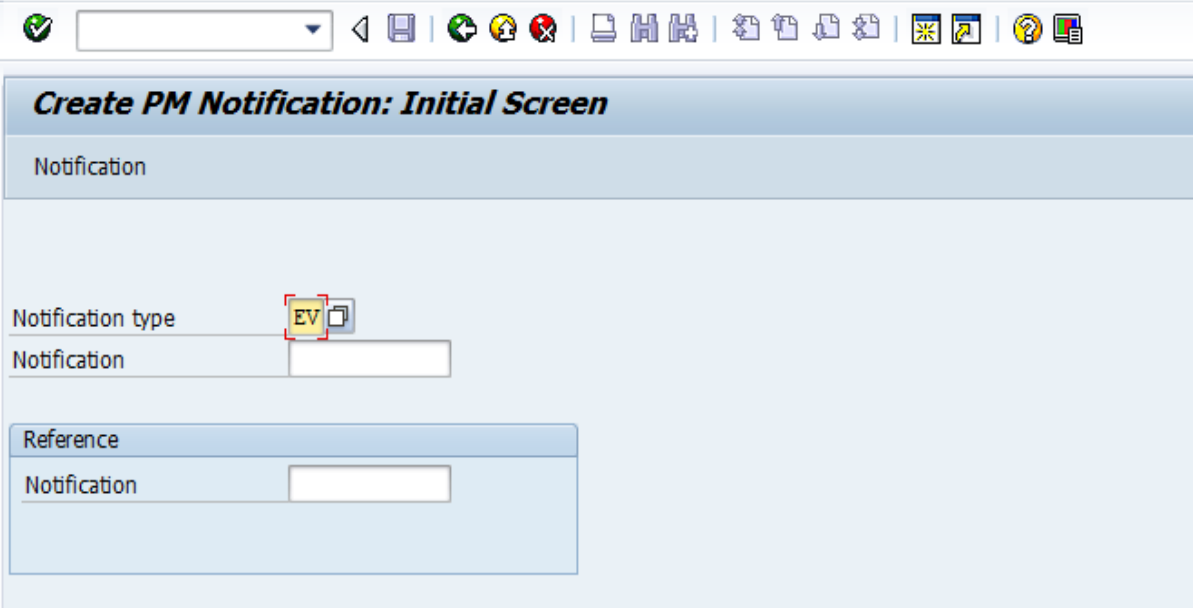
Malfunct. start: 04.09.2015 21:38:24 Breakdown:

Notification 8000084 saved

Modification notification will be further executed using corrective order.

8. Similarly create Mefsko event

Menu	Logistics → Plant maintenance → Maintenance processing ☐ Notification ☐ Create(general)
Transaction Code	IW21



Create PM Notification: Initial Screen

Notification

Notification type

Notification

Reference

Notification



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☒ Notification 8000085 saved