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SAP Plant Maintenance

Power User - Training Manual

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Preventive maintenance

Presented by:

Srinivas Narayana
PM Consultant
Arete Global Consulting

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Revision History			
Revision #	Revision Date	Summary of Changes	Updated by

Distribution	
This document has been distributed to:	
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1. Preventive Maintenance process description

Ensuring a high availability of objects in the long term is one of the most important tasks of Plant Maintenance. Preventive maintenance is a suitable instrument for avoiding system breakdowns or the breakdown of other objects, which in addition to the repair costs, often create much higher costs through the resultant breakdown in production.

This scenario describes the planning and processing of periodic maintenance tasks at technical objects. Preventive maintenance is the generic term used for inspections, maintenance and planned repair tasks, in other words, maintenance tasks that are repeated regularly.

Further reasons for preventive maintenance can include:

- Legal regulations
- Environmental requirements
- De facto regulations from customers
- Quality assurance of products manufactured at a technical system

You can use preventive maintenance to describe dates and the scope of maintenance and inspection tasks that can be planned on objects, to define the cycles for scheduling tasks based on time or performance, and to synchronize dates for several maintenance tasks on different objects.

2. Create general task lists and maintenance plans(IT team work)

Refer to contents no 7 and 8 in MEFCO_L3_Training_Part 1_Master data document.

The screenshot shows the 'Change PM Orders: Selection of Orders' dialog box in SAP. The 'Order status' section has checkboxes for 'Outstanding' (checked), 'In process', 'Completed', and 'Historical'. There are also fields for 'Sel.profile' and 'Addr.' with a red 'X' icon. The 'Order selection' section contains a table with fields for 'Order', 'Order Type', 'Functional Location', 'Equipment', 'Material', 'Serial Number', 'Addit. device data', 'Notification', 'Main work center', 'Plant for WorkCenter', 'Period', 'Partners', and 'Currency'. The 'Period' field is set to '07.06.2015' to '05.10.2015'. The 'Partners' field has a dropdown arrow. The 'Currency' field is empty. The table has columns for 'to' and a yellow arrow button for each row.

Field	Value	to	Button
Order			→
Order Type			→
Functional Location			→
Equipment			→
Material			→
Serial Number			→
Addit. device data			→
Notification			→
Main work center			→
Plant for WorkCenter			→
Period	07.06.2015	05.10.2015	
Partners			
Currency			

3. View and process preventive maintenance orders

Menu	Logistics →Plant maintenance →Maintenance processing ☐ Order ☐ Change
Transaction Code	IW38

Change PM Orders: Selection of Orders

🕒 📄 ⓘ Settlement Receivers PRT

Order status
☒ Outstanding ☐ In process ☐ Completed ☐ Historical Sel.profile Addr. ✕

Order selection

Order		to		➡
Order Type		to		➡
Functional Location		to		➡
Equipment		to		➡
Material		to		➡
Serial Number		to		➡
Addit. device data		to		➡
Notification		to		➡
Main work center		to		➡
Plant for WorkCenter		to		➡
Period	07.06.2015	to	05.10.2015	
Partners				
Currency				

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				

Field Name	Description	Comment
Period	Period	Select period range in which you want to view maintenance orders
Maintenance plant	Maintenance plant	Enter 1701

Click on  execute button to view orders.

Change PM Orders: List of Orders

Order Type	Order	System status	Bsc start	Description	Entered by	Equipment	Description of technical object	Functional Location	Description of functional location
MF01	1000623	CRTD NMAT PRC	03.09.2015	Vibration check	XSRINIVAS	2002336	7.5HP MOTOR -01	1701-021-081101-MO-20602CV	SCREW CONV. MOTOR OF PEELER
MF03	1000628	CRTD NMAT PRC	05.10.2015	1701-021-921501-MO-51900BPU	XSRINIVAS	2002317	125HP MOTOR -01	1701-021-921501-MO-51900BPU	BORE WELL 2 PUMP MOTOR

Select the MF03 order row and click on **Order** icon.

Change MEFSKO Preventive Maintenance Order 1000628: Operation Overview

Order: MF03 1000628 1701-021-921501-MO-51900BPU

Sys.Status: CRTD NMAT PRC

Op...	Sop	Work ctr	Plant	Co...	StTextK	S..	Operation short text	LT	Actual work	Work	Un	N...	Dur.	Un	C.Key	ActTyp
0010		MEFSKO	1701	PM01			Lubricate		0.0	0.2	HR	1	10 MIN	2	Calculate ...	
0020		MEFSKO	1701	PM01					0.0		HR					
0030		MEFSKO	1701	PM01					0.0		HR					
0040		MEFSKO	1701	PM01					0.0		HR					
0050		MEFSKO	1701	PM01					0.0		HR					
0060		MEFSKO	1701	PM01					0.0		HR					
0070		MEFSKO	1701	PM01					0.0		HR					

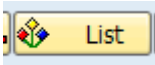
Select **Operations** tab to view operations.

Order: MF03 1000628 1701-021-921501-MO-51900BPU

Sys.Status: CRTD NMAT PRC

Item	Component	Description	LT	Reqmt Qty	UM	IC	S..	SLoc	Plnt	Op...	Batch	Proc. Category
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

Go to components tab and click on  icon to call bill of materials.

CHANGE ORDER: Structure List

✓       Levels above Expand whole  Mat. classes 

Equipment 2002317 Valid from 05.10.2015

Description 125HP MOTOR -01

	2002317	125HP MOTOR -01	125D1	MO-51900BPU
•	50050281	TIGHTENING FRAME BEARING AS205	L	1 PC
•	50050282	BEARING TAPERED ROL.30211J2/Q	L	1 PC
•	50050283	BEARING YET 205-100	L	1 PC
•	50050284	TAPPER ROLLER BEARING HR30205J	L	1 PC

Select required spare parts from the list.

✓                                          

Change MEFSKO Preventive Maintenance Order 1000628: Component Overview

Order MF03 1000628 1701-021-921501-MO-51900BPU  

Sys.Status CRTD MANC NMAI PRC 

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

Item	Component	Description	LT	Reqmt Qty	UM	IC	S..	SLoc	Plnt	Op...	Batch	Proc. Category
0010	50050281	TIGHTENING FRAME BEARING AS205			1	PC	L		1701	0010		Reservation for Order
0020												
0030												
0040												
0050												
0060												



Click on this to execute material availability check



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 saved with number 1000628

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

Select required form and press  **Print/Fax** 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 1000628 - XSRINIVAS

Hide Overview | Hold | Check | Post | Help

A07 Goods Issue | R08 Order | Movement Type?

My Documents

- Purchase Orders
 - 4900000054
 - 4400000106
 - 4900000053
 - 4900000052
 - 4900000037
 - 4900000038
 - 4900000039
 - 4900000040
 - 4900000041
 - 4900000043
- Orders
 - 1000628**
 - 1000625
 - 1000622
 - 1000619
 - 1000618
- Reservations
 - Blank
- Material Document
 - 4900034776
 - 4900034775
 - 4900034774
 - 5000003756
 - 4900034767
 - 5000003754
 - 4900034765
 - 4900034764
 - 4900034763

General

Document Date: 05.09.2015 | Material Slip: | Posting Date: 05.09.2015 | 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	p
1	TIGHTENING FRAME BEARING AS205	☐	1	PC	Spare parts	1000628	0010	1700			261	-	Unrestrict...	A

Material | Quantity | Where | Reservation | Account Assignment

Movement Type: 261 | ☐ GI for order | Stock type: Unrestricted use

Plant: Al Kharj MEFSO | 1701 | Storage Location: Spare parts | OG30

Goods recipient: | Unloading Point: |

6. Confirm Work hours

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

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Overall Completion Confirmation

Order: 1000628 1701-021-921501-MO-519008PU 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
7475	0010			1	HR	✓	✓	MEFSCO	1701				05.09.2015			

Act.Data

Items

Itm	No.	Code gr...	Ob...	Object part	Code gr...	Da...	Damage	Text
0								
0								
0								
0								

Entry 1 of 0

Causes

Itm	Code gr...	Ca...	Cause code text	Cause text	C...	C Ca...

Enter actual time of work hours and select save  button on top to save confirmation.