



ERP - PROJECT

SUGMAYA

END USER DOCUMENT

FOR

PLANT MAINTENANCE

CONDITION BASED MAINTENANCE





TABLE OF CONTENTS

1	DOCUMENT CONTROL 1.1 DOCUMENT HISTORY3	3
	1.2 DISTRIBUTION3	
2	PROCESS OVERVIEW: CALIBRATION MAINTENANCE	4
3	CREATE MEASURING POINT	6
4	MAINTENANCE PLANS	10
5	SCHEDULING OF MAINTENANCE PLANS	15
6	LIST EDITING OF MAINTENANCE PLANS	22
7	SCHEDULING OVERVIEW	24
8	UPLOAD OF READING AGAINST Z4 NOTIFICATION	26
9	PROCESSING OF Z5 PREDICTIVE/CBM NOTIFICATION	31
10	FILE UPLOADING FORMAT	32
11	GLOSSARY	33
12	APPENDIX 12.1 T - CODES FOR REOPRTS34	34
	12.2 T - CODES FOR PM	





1 DOCUMENT CONTROL

This is a controlled document and will be maintained on UJVNL portal.

Changes to this document will be recorded below and must be published to all interested parties.

1.1 DOCUMENT HISTORY

Version Date		Author	VERSION DETAILS	
V01	06-02-2018	Nimish Agrawal	First ISSUE	

1.2 DISTRIBUTION

Date	Name	Purpose	
	Mandeep Singh	For Information	
Brijesh Yadav		For Information	





2 PROCESS OVERVIEW: CALIBRATION MAINTENANCE

The process of Condition based Maintenance (CBM) process consist of the following major activities:

- Measurement Data Collection of Equipment parameters under condition monitoring activity
- Condition-based maintenance processing based on measurement data
- 1. Taking of Equipment parameter(s) reading at site by the condition monitoring group or concerned maintenance department personnel's.
- 2. Maintenance plan is created by choosing plan category based on what should be the call object (e.g. Notification or Maint. order) of plan. Based on what is the frequency of maintenance, cycle time is given to the plan. If plan is counter based then the measurement counter number for the individual equipment/functional location will be maintained in plan. Respective reference object and task list is assigned to the maintenance plan. The call object is "Notification" & Notification type Z4: Condition Monitoring will be maintained in plan.
 - A <u>single cycle plan</u> is the simplest form of maintenance plan. Create a single cycle plan and define exactly one time-based or performance-based maintenance cycle, in which it is needed to specify the interval at which all the tasks of maintenance plan should be executed.
 It might be used, for example, for the 6-monthly maintenance of a DG Set or for the preventive maintenance of a Generator after every 2,000 running hours.
 - In contrast, <u>strategy plans</u> are used to show complex maintenance cycles. We create a strategy plan and assign a maintenance strategy in which we define the different maintenance cycles of the strategy (called as Packages) to be used. For example, it makes sense to use a strategy plan if different maintenance tasks for a Control oil station are due in different cycles: oil check every 2000 running hours and oil change every 4000 running hours.
 - In time based strategy plan, we can plan maintenance item for Weekly, Monthly, Quarterly or Half Yearly maintenance activities for total period of the plan
- 3. Maintenance plan is scheduled so that the planned dates and call dates are displayed based on the scheduling parameters maintained in plan.
- 4. The call object is generated based on call horizon and planned date. Notification **Z4** will be created in the system via the scheduling of maintenance plan
- 5. Recording of these readings in the SAP system by creating Measurement Document(s) via upload of excel file with transaction code ZPM_CBM and entering measured values for the respective Measuring Points of the equipment.
- 6. If any parameter's reading fall outside tolerance limits (as defined in the Measuring Point master record), required actions should be taken against it.
- 7. In this case when the Measurement Document is saved, the system will create a Notification of type **Z5** (Condition Based Maint. Notification) on the Equipment, automatically in background with default data like Functional Location, Equipment, standard Notification text of abnormal condition, abnormal parameter reading along with other parameters readings of the same equipment, date & time etc.
- 8. Scheduling of the automatically generated CBM Notification
- 9. Receipt of the scheduled CBM Notification by the concerned maintenance department (Planner group).
- 10. Review of Notification and then updating of Damage (defect) and related Cause codes in the CBM Notification by the maintenance dept. if required after inspection of the equipment at site.
- 11. Creation of CBM Order type 'ZMO5' for the CBM Notification by the responsible maintenance dept.
- 12. Planning of required resources, e.g. Materials and external services, and Permits in the order.
- 13. Processing of the CBM order by the maintenance dept. in usual manner. CBM/Predictive Maintenance order can only be created from **Z5** Notification, it cannot be created via scheduling of maintenance plan.
- 14. Applying permit(s) for work if required
- 15. Release of order by authorized person/supervisor in maintenance dep't.
- 16. Issuing of permit(s) by Operation dep't or concerned agency





- 17. Issue of materials from store.
- 18. Execution of work at site by internal manpower and/or external agency.
- 19. Work Completion (WOCO) of maintenance order, which denotes permit cancellation request in system.
- 20. Return of permit(s) by Maintenance and closing of the same by Operations
- 21. Untagging/Normalisation of Isolations by operations dep't
- 22. Time confirmation of order operations (internal) by maintenance dep't
- 23. Entry of technical findings (Damage, cause, tasks etc.) and Malfunction end time in predictive/CBM notification by maintenance dep't
- 24. Completion of tasks in notification and subsequently Notification completion (NOCO)
- 25. Technical Completion (TECO) of order.
- 26. Month-end settlement of Maintenance order by F&A dep't.

Pre-requisites:

- Create master data of Measuring Points of Equipment, in the SAP system, for the parameters which need
 to be captured under condition monitoring.
- The Measuring Points should be created under category C (Condition monitoring parameter), since automatic CBM notifications will be created by system only for the measuring point readings which are in cat. C and not for cat. M (Meas. Point/ Counter (general)
- Damage and Cause codes, related to equipment condition, should be available and linked to the Equipment master record using Catalog profile if possible
- Equipment BOM (bill of materials) should have been maintained in the SAP system if possible

Icons:

Δ	Caution
	Note

Abbreviations:

PM	Plant Maintenance	
MTP	"Maintenance Planning"	
	group in the Plant	
WCM	Work Clearance	
	Management	
WAP	Work Approval	
WCA	Work Clearance Application	
WCD	Work Clearance Document	
PTW	Permit to Work	

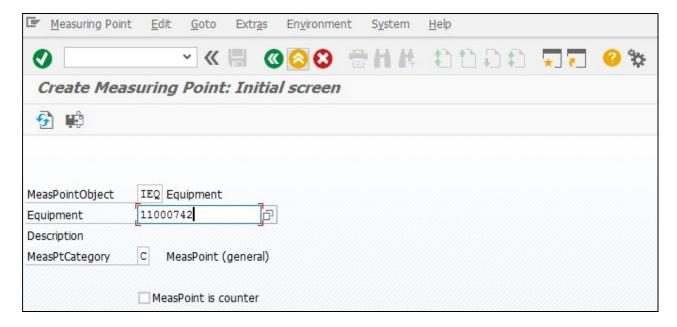




3 CREATE MEASURING POINT

	SAP Menu → Logistics → Plant Maintenance → Management of Technical Objects →	
Menu Path	Environment → Measuring Point → Create	
Transaction		
Code	IK01	

On running IK01, we get the initial screen as shown below:

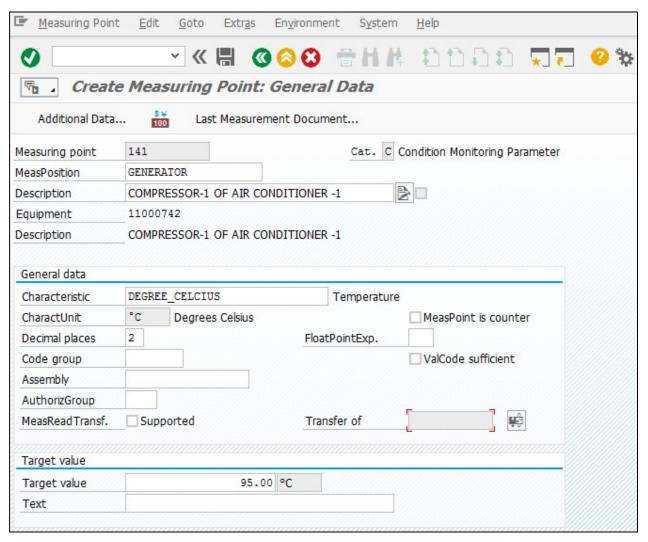


Step No	Field Name	Description	User Action and Values
1	MeasPointObject	Measuring point object.	Enter Measuring point object.
			IEQ- for equipment
2	Equipment	Equipment number	Enter Equipment number 11000742
3	Description	Description	Short text description of the
			equipment is selected
4	MeasPt. Category	Identifies the category of the object	Enter M for general
		that has the measuring point.	
5	MeasPoint is	Indicates if the measuring point is a	
	Counter	counter	

Press "Enter" key or select "Enter" icon .Create Measuring Point: Master Data screen is open







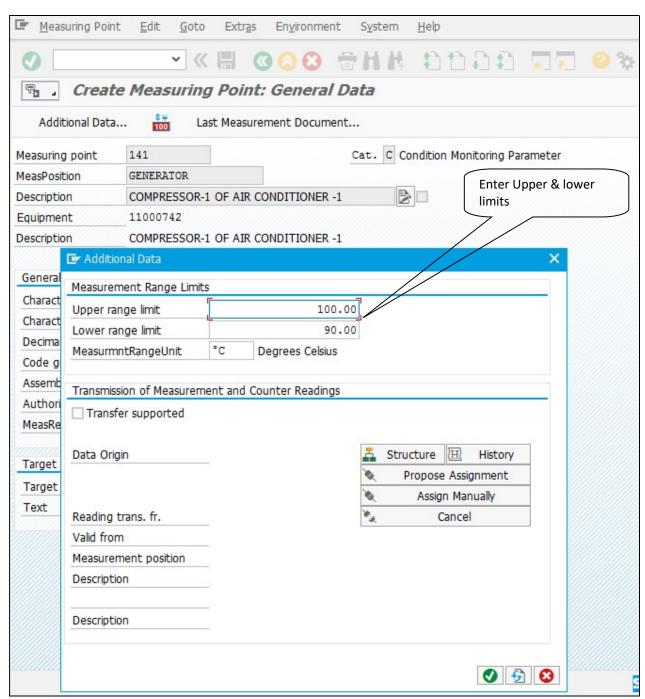
Step No	Field Name	Description	User Action and Values
1	Meas.	Measuring Point's Position at	Enter position code for
	Position	equipment	The measuring point
2	Description	Description of Measuring Point's	Enter description
		Position at equipment	
3	Characteristic	Characteristics	Entre characteristics
			DEGREE_CELCIUS
4	Code group	Valuation codes for the	Enter valuation code
		measurement readings.	
5	Target Value	Target value of measuring reading	Enter target value of reading
		for smooth running of equipment.	95
6	Text	Text for target value	
7	In case of counter	Measuring point overflow reading	
	CntrOverReadg		
8	AnnualEstimate	Used with maintenance plans to	
		calculate the maintenance intervals	
		(counter-based maintenance). For a	





counter. Enter estimated annual	
miles, gallons, or hours. The cursor	
can be placed anywhere in the field	
to begin typing. The reading will be	
right justified during 'save'.	

Click on Additional Data... Button.









Step No	Field Name	Description	User Action and Values
1	Upper limit	Upper limit for reading where	100
		equipment can run	
2	Lower limit	Upper limit for reading where	90
		equipment can run	

Click button to save Measuring Point Measuring point 141 created

System will give a message in the message bar that your Measuring Point saved as shown above.

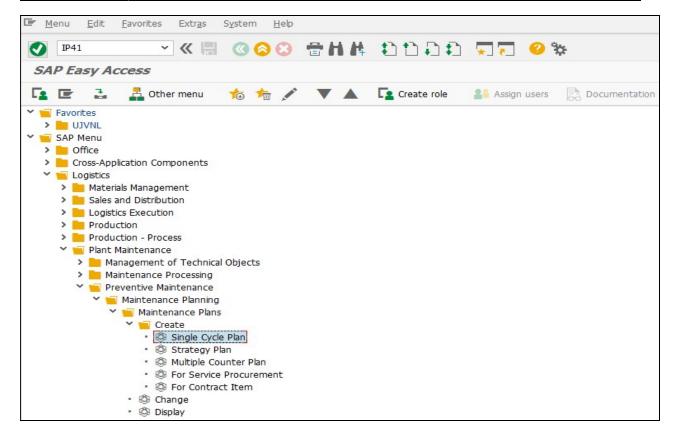




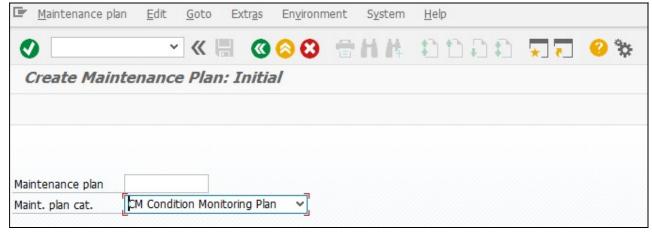
4 MAINTENANCE PLANS

Maintenance plans merge the records of specific strategies, task lists, items and measuring points (when necessary) to generate a recurring maintenance schedule for the resultant orders/notifications which are copied from the task lists.

	SAP Menu → Logistics → Plant Maintenance → Preventive Maintenance → Maintenance	
Menu Path	Planning \rightarrow Maintenance Plans \rightarrow Create \rightarrow Single cycle plan	
Transaction		
Code	IP41	



On running IP41, we get the initial screen as shown below:

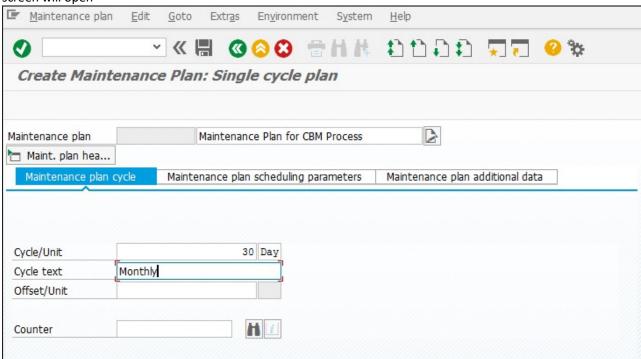






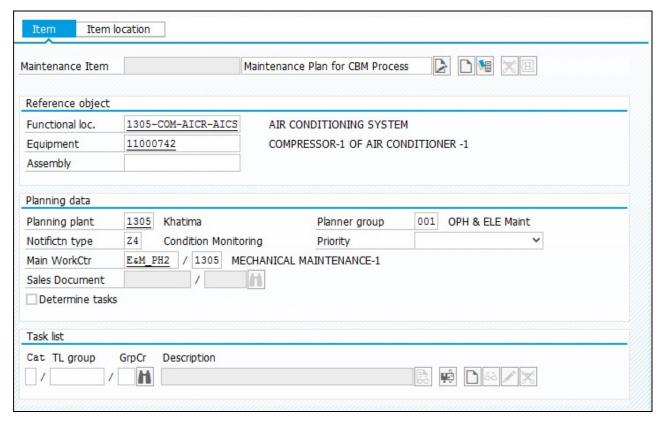
Step No	Field Name	Description	User Action and Values
1	Maintenance	The number assigned to this maintenance	Unless external number
	plan	plan to locate it within SAP	assignment is being used, this field
			will be automatically filled in when
			the record is saved. Internal
			Numbering
2	Maint. plan	Determines what document will be created	Select the maintenance plan
	cat	by the maintenance call	category. Choices are orders,
			notifications.

Press "Enter" key or select "Enter" icon . Create Create Maintenance Plan: Single Cycle Plan Master Data screen will open







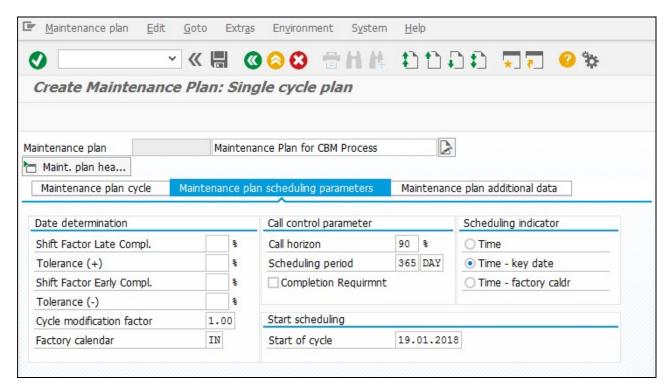


Ste	Field Name	Description	User Action and Values
р			
No			
1	Maintenance	A concise description in the header for the	Enter a description of the plan.
	plan	maintenance plan	·
2	Cycle/Unit	The cycle length or frequency which the plan will	Enter a number for the cycle length
		be based on. A basic label to describe the	and select a unit of measure
		numeric data in a field	
3	Cycle text	A concise description of the cycle	Add a free text description
	•	·	·
4	Offset/unit	A one-time waiting period before starting the	Enter a number to be multiplied by
		cycle length of the package	the strategy unit, which the plan
			will wait before the first order will
			be automatically called
5	Counter	A performance monitoring gauge attached/linked	Enter a counter number which is
		to a piece of equipment or functional location	linked to the reference object.
6	FunctLocation	Functional Location Identifier of technical object	Enter Functional Object Identifier
		assigned to plan	,
7	Equipment	Equipment Identifier of technical object assigned	Enter Equipment Identifier
	12.16	to plan	
8	Assembly	Assembly Identifier of technical object assigned	Enter Assembly Identifier
"	7.03CITIDIY	to plan	Litter 7.03cmbry identifier
	Dlanning plant		Fator Diamaina Diamais different
9	Planning plant	Identifier for Plant where technical objects and	Enter Planning Plant if different
		planning object are defined	from default from technical object





10	Planner group	Identifier for persons responsible for maintaining	Enter Planner Group if different
		plan profiles	from default from technical object
11	Order type	Identifier for Order type. Different order types	Enter Order Type if different from
		may have different options	default from technical object
12	MaintActivityTy	Identifier for Maintenance Activity Type	Enter Maintenance Activity Type if
	pe		different from default from
			technical object
13	Main WorkCtr	Identifier for Work Center which has	Enter Main Work Center if different
		responsibility for maintenance of technical object	from default from technical object
14	(Main WorkCtr)	Identifier for Plant that Main Work Center is	Enter Main Work Center Plant if
	/ Plant	assigned to	different from default from
			technical object
15	Business area	Identifier for Business Area organizational unit	Enter Business Area if different
			from default from technical object
16	Priority	Importance level for processing	Enter Priority if different from
			default from technical object
17	Task list /	Section Header	Select the Task List to be assigned
	General task		to orders via this plan
	list		
18	Object list item	Tab Strip	Used to assign multiple technical
			objects to the plan
19	Item Location	Tab Strip	Displays location information of
			technical objects







Step	Field Name	Description	User Action and
No			Values
1	Maintenanc	Tab Strip	
	e plan		
	scheduling		
	parameters		
2	SF later	Modifies future scheduled call dates by the indicated percentage	Accept the default
	confirmatio	should the completion of the original call date is late by more than	or modify
	n	the tolerance	
3	Tolerance	The percentage work can be completed in advance of the scheduled	Accept the default
	(+)	call date and not change shift the call dates of future work	or modify
4	SF earlier	Modifies future scheduled call dates by the indicated percentage	Accept the default
	confirmatio	should the completion of the original call date be earlier by more	or modify
	n	than the tolerance	
5	Tolerance (-	The percentage work can be completed after the scheduled call	Accept the default
)	date and not change shift the call dates of future work	or modify
6	Cycle	Used in maintenance plans, it allows the planner the ability to multiple	
	modificatio	cycle length of all the packages used in the plan by a certain factor to	or modify
	n factor	the maintenance show up more or less frequently.	A 1 1 1 1 - C 11
7	Call horizon	Call horizon is how much of the cycle length you want to wait before s	•
	Calcad Bas Da	creates the next order automatically	or modify
8	Scheduling Pe		Accept the default or modify
		for which the system creates	or mouny
		maintenance calls during scheduling of a maintenance plan.	
9	Requires	The next call is generated only when	Put a check in the
	confirmation	the previous one has been closed.	box if this is
	Commination	the previous one has been closed.	desired.
10	Time	A maintenance strategy based on the 12-month calendar. Ex: A 30-	Accept the default
10		day maintenance package will be due every 30 days, 7/1, 7/31,	or modify. Used
		8/29, etc.	with time based
		-,,	plans
11	Time-key	A maintenance strategy based on the 12-month calendar, which	Accept the default
	date	allows the planner to select a specific date the maintenance will be	or modify. Used
		performed on, regardless of the day of the week. Ex: every 20th of	with time based
		the month.	plans
12	Time-	A maintenance strategy based on the 12 months calendar which	Accept the default
	factory	only takes working days into consideration. Ex: A 30-day	or modify. Used
	caldr	maintenance package will have maintenance due ever 30 working	with time based
		days (usually 6 calendar weeks)	plans

System will give a message in the message bar that your Maintenance Plan created as shown above.



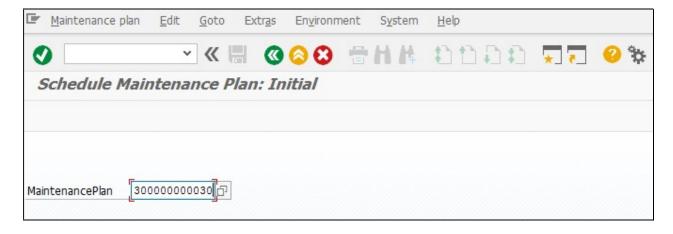


5 SCHEDULING OF MAINTENANCE PLANS

To generate call objects (Maintenance orders/Notifications) the plan needs to be scheduled

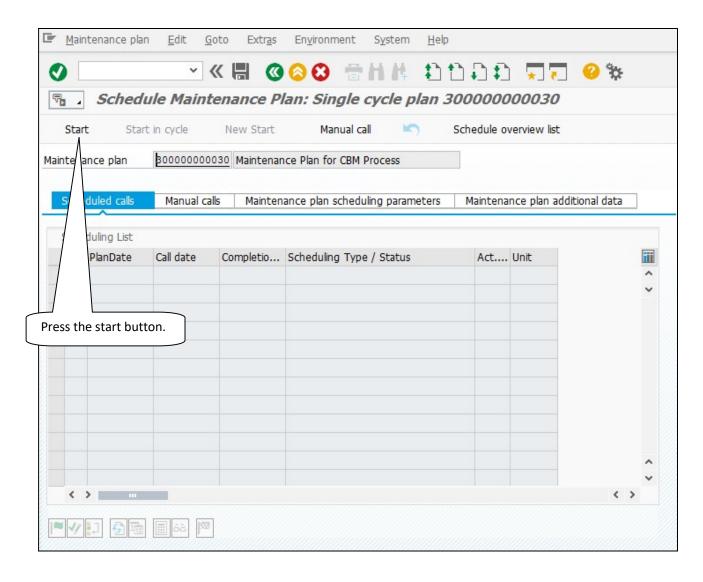
	SAP Menu → Logistics → Plant Maintenance → Preventive Maintenance → Maintenance	
Menu Path	Planning → Scheduling for Maintenance Plans → Schedule	
Transaction		
Code	IP10	

Step No	Field Name	Description	User Action and Values
1	Maintenance	Enter the maintenance plan number	
	plan number		



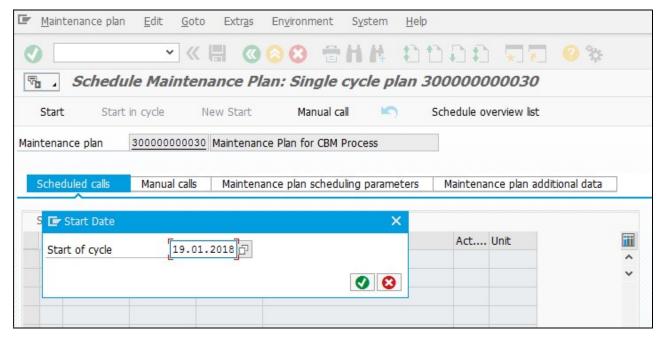












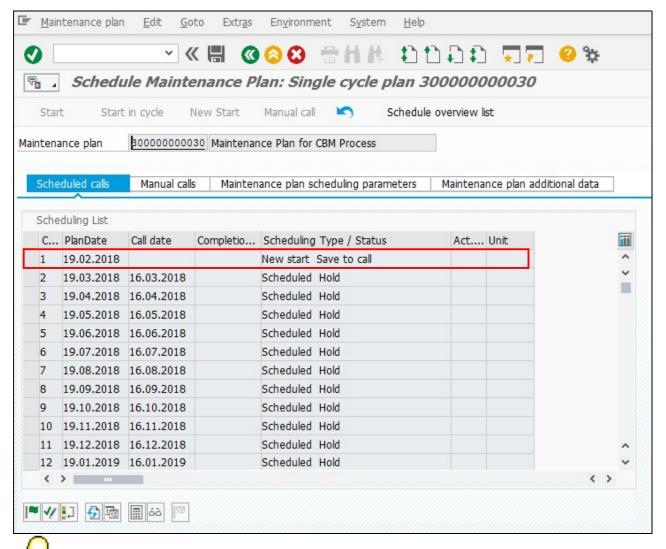
Step No	Field Name	Description	User Action and Values
1	Start of cycle	Enter the start date from which the	Enter a suitable date.
		maintenance plan needs to be scheduled	The maintenance plans are
			scheduled from this start date.

The Start of cycle date is defaulted from maintenance plan. It can be changed if required. Press to continue.

A list is displayed with all the plan dates and call dates as per the settings in maintenance plan for the entire duration of Scheduling period (1 year in our case).







The list of calls as per cycle length is displayed with status as <u>Scheduled Hold</u> which signifies that the plan is scheduled but the date on which the call object (Order or Notification) is to be generated is in future.

The call for which Call Date has arrived is shown in above image
The call object (order or notification) is generated as soon as save button is clicked.

Important Icons:

- Manual release of a call -This can be used to release a call object i.e. to call an order or a notification whose date lies in the future and is still on hold and provided that the previous call has occurred.

- **Fix call** - This functionality can be used to fix a call for a date, provided the previous call has occurred. The fixing can only be done between the previous call date and next call date.

- **Skip call** -This functionality can be used to skip a call which is on hold provided the previous call is released or skipped or called.



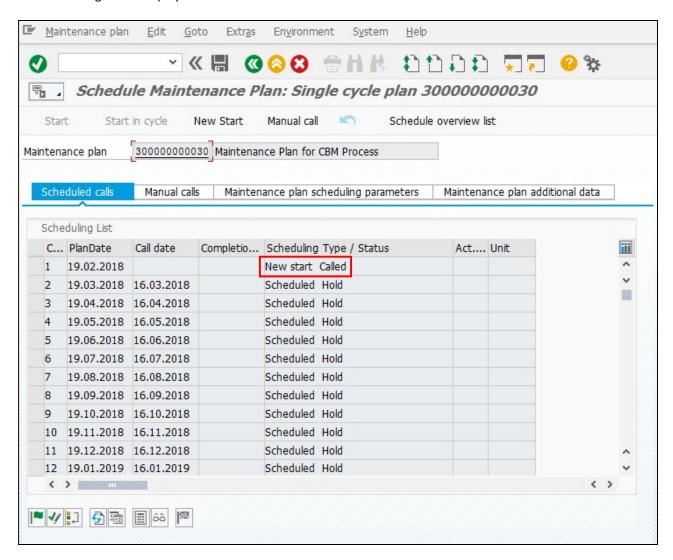


Click button to save the scheduling of Maintenance Plan

Maintenance plan 3000000000030 scheduled

System will give a message in the message bar that your Maintenance Plan schedule as shown above.

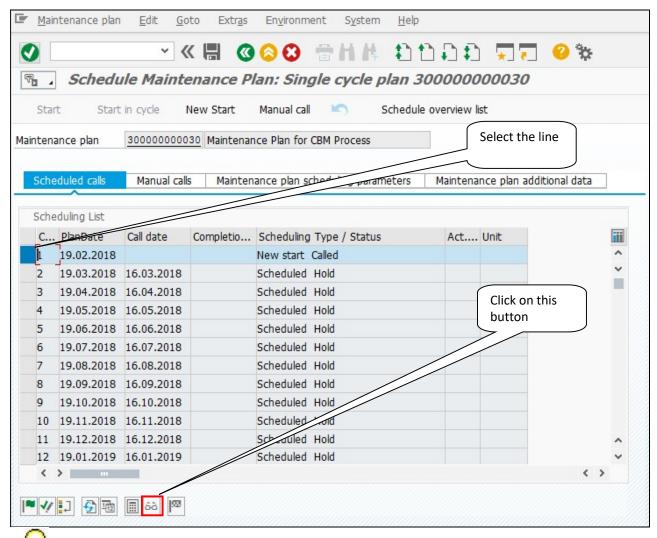
The scheduling status displays the status as Called i.e. the notification has been called.



To display the notification, select the line and below a display icon can be used to display the notification.





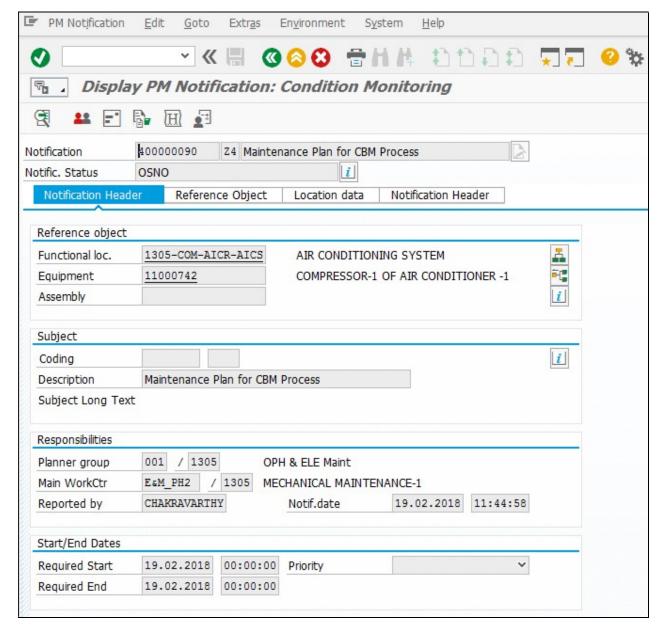


In case a plan contains more than one item, the number of notifications generated will be equal to the number of items in a maintenance plan.

The notification Type-Z4 has been generated on the due date.







The maintenance order can be processed in the same way as explained in Breakdown Process user manual



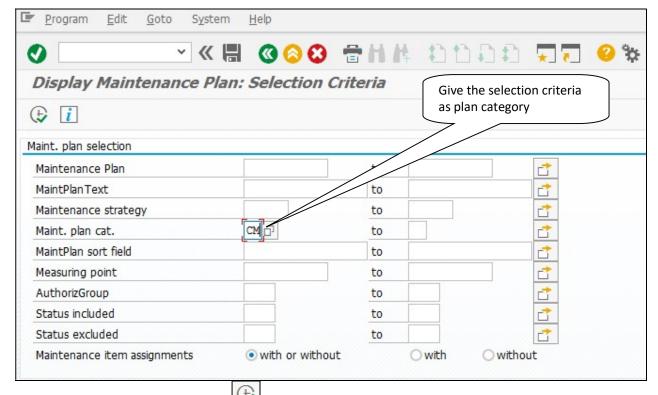


6 LIST EDITING OF MAINTENANCE PLANS

To display a list of maintenance plans.

	SAP Menu $ ightarrow$ Logistics $ ightarrow$ Plant Maintenance $ ightarrow$ Preventive Maintenance $ ightarrow$	
Menu Path	Maintenance Planning $ o$ Maintenance Plans $ o$ List Editing $ o$ Display	
Transaction		
Code	IP16	

Give the selection criteria based on which the plans need to be scheduled.

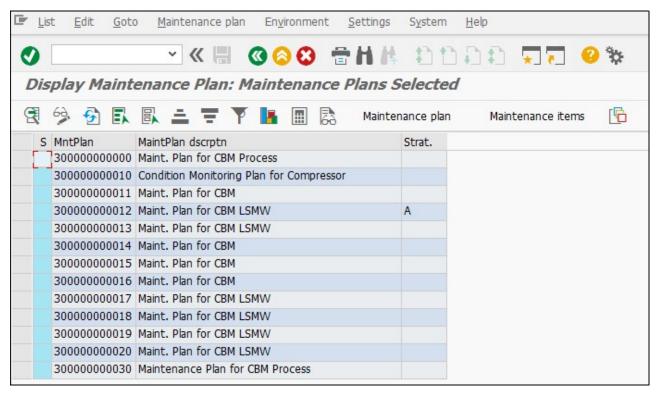


Press F8 key or click on execute button

List of all plans meeting this search criteria is displayed.







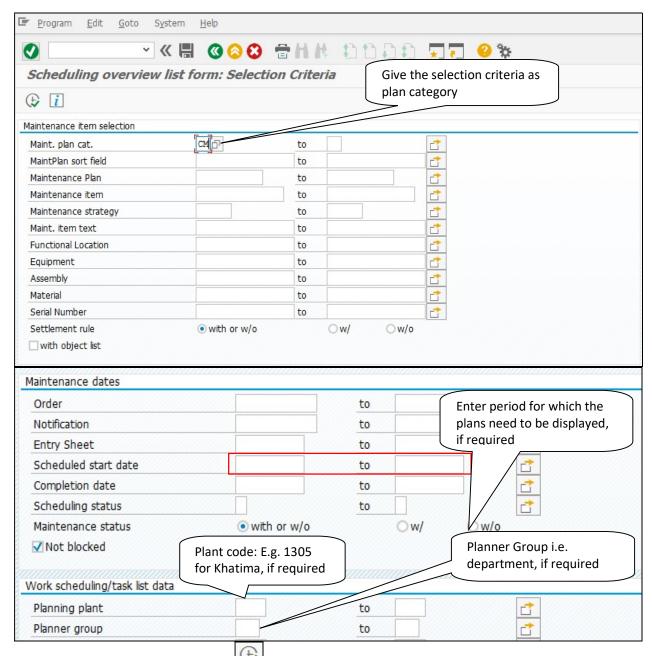
User specific maintenance plan list layout variant can be saved after setting the columns & their sequence. This way every time the user will get the plan list layout defaulted when he will execute the transaction IP16.





7 SCHEDULING OVERVIEW

	SAP Menu → Logistics → Plant Maintenance → Preventive Maintenance → Maintenance Planning → Scheduling for Maintenance Plans → Scheduling Overview →
Menu Path	List Display
Transaction	
Code	IP24



Press F8 key or click on execute button The output will be as displayed below:





view list for		
	m: Maintenance Scheduling Overvie	w List
₹ Y 🖪	Maintenance item Maintenance p	plans 🛅
MntPlan	Strat. Maintenance item description	Call Number Start date Order
300000000010	Compressor Motor	13 03.11.2018
300000000020	LSMW	1 16.12.2017
300000000020	LSMW	2 16.01.2018
300000000020	LSMW	3 16.02.2018
300000000020	LSMW	4 16.03.2018
300000000020	LSMW	5 16.04.2018
300000000020	LSMW	6 16.05.2018
300000000020	LSMW	7 16.06.2018
300000000020	LSMW	8 16.07.2018
300000000020	LSMW	9 16.08.2018
300000000020	LSMW	10 16.09.2018
300000000020	LSMW	11 16.10.2018
300000000020	LSMW	12 16.11.2018
300000000020	LSMW	13 16.12.2018
300000000020	LSMW	14 16.01.2019
30000000030	Maintenance Plan for CBM Process	1 19.02.2018
300000000030	Maintenance Plan for CBM Process	2 19.03.2018
300000000030	Maintenance Plan for CBM Process	3 19.04.2018
30000000030	Maintenance Plan for CBM Process	4 19.05.2018
300000000030	Maintenance Plan for CBM Process	5 19.06.2018
300000000030	Maintenance Plan for CBM Process	6 19.07.2018
30000000030	Maintenance Plan for CBM Process	7 19.08.2018
300000000030	Maintenance Plan for CBM Process	8 19.09.2018
30000000030	Maintenance Plan for CBM Process	9 19.10.2018
300000000030	Maintenance Plan for CBM Process	10 19.11.2018
300000000030	Maintenance Plan for CBM Process	11 19.12.2018
300000000030	Maintenance Plan for CBM Process	12 19.01.2019
	MntPlan 30000000010 300000000020 300000000020 30000000020 300000000	MntPlan Strat. Maintenance item description 300000000000 Compressor Motor 3000000000020 LSMW 3000000000020 LSMW 300000000020 LSMW 300000000020 LSMW 300000000020 LSMW 300000000020 LSMW 300000000020 LSMW 30000000020 LSMW 30000000020 LSMW 30000000020 LSMW 30000000020 LSMW 30000000020 LSMW 30000000020 LSMW 30000000002 LSMW 30000000002 LSMW 30000000002 LSMW 30000000003 Maintenance Plan for CBM Process 30000000003

User specific notification list layout variant can be saved after setting the columns & their sequence. This way every time the user will get the notification list layout defaulted when he will execute the transaction IP24.

For Scheduling Overview & Simulation t-code IP19 can be used. It has the option of displaying scheduling overview in graphical form as well, apart from tabular form.





8 UPLOAD OF READING AGAINST Z4 NOTIFICATION

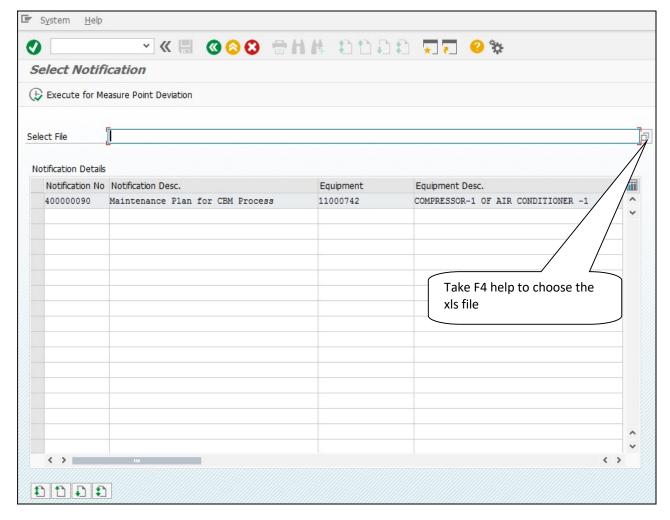
Use transaction ZPM_CBM to upload reading of equipment saved in xls file. Sample of xls file is shown at end. Enter notification date. System give list of notification for which reading are due.

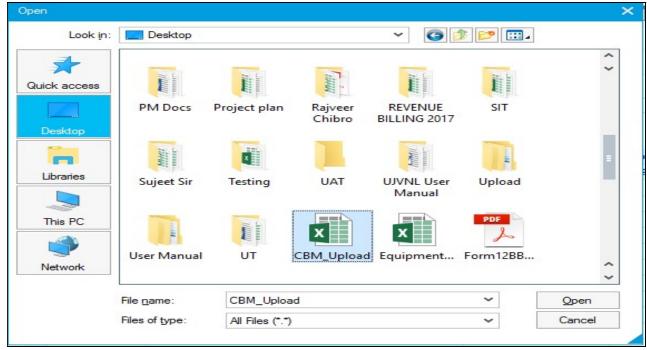


Clicking on Submit for Notify Details button, will give the list of notification due on date.



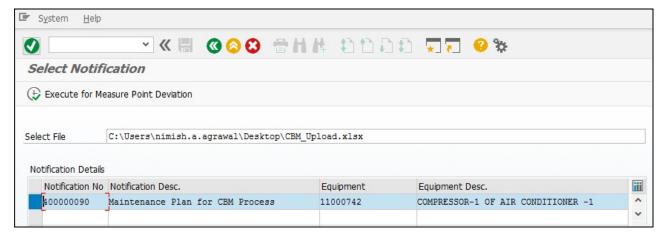








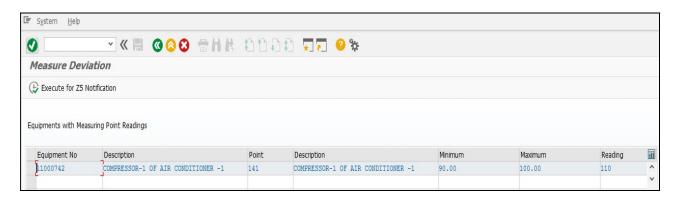




Select required notifications and click on Execute for Measure Point Deviation button

Execute for Measure Point Deviation

System will read the text file and display list of measuring point with reading, max/min limit



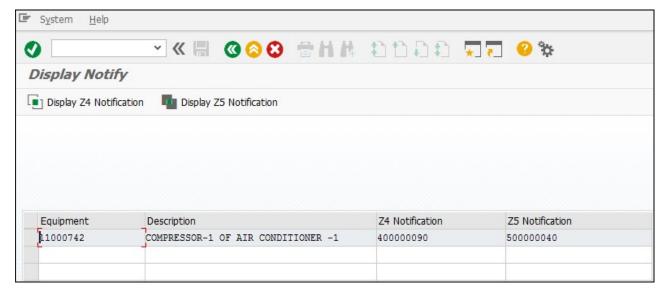
Select points for which reading is deviating from lower & upper limits and Z5 notification to be created for corrective action. Select & click on button



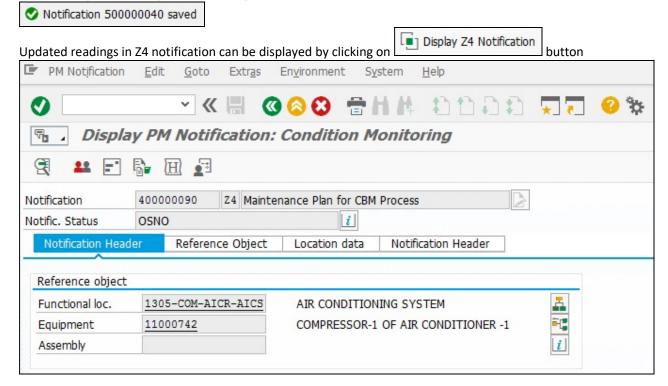
After clicking on button, system will update all readings in Z4 notification created via the scheduling of maintenance plan and create Z5 predictive maintenance notification for corrective measure, for selected equipment's only.







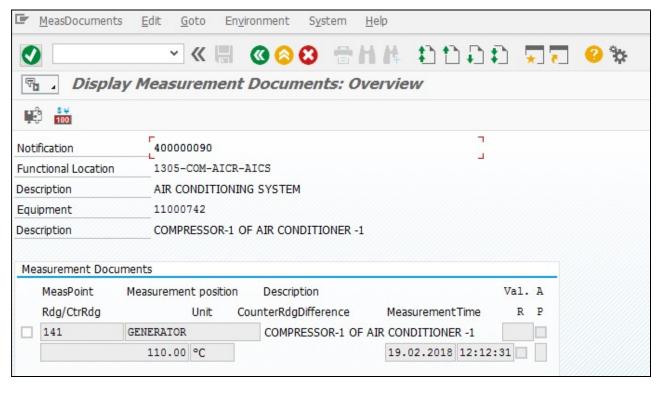
System will give a message in the message bar that Notification saved as shown below



Go to EXTRA – MEASR DOC, will display reading uploaded based on selection on previous steps.





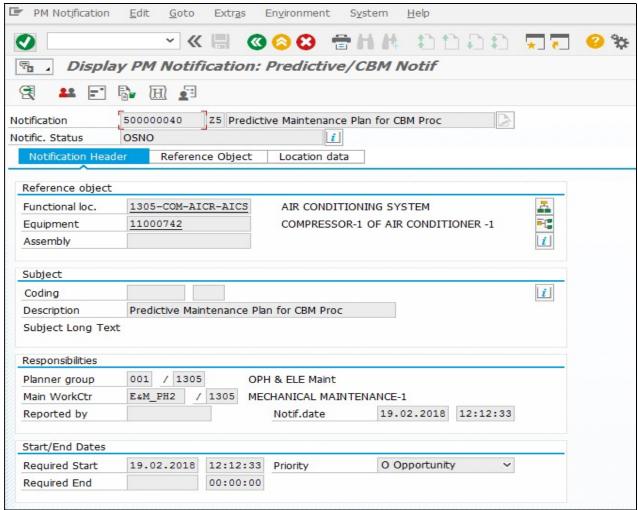






9 PROCESSING OF Z5 PREDICTIVE/CBM NOTIFICATION

- Z5 Notification is created by system to implement corrective measure based on reading uploaded.
- Processing & execution of notification & order can be processed in the same way as explained in Breakdown Maintenance Process User Manual.





Remember to close Z4 notification which was created via scheduling of Maintenance Plan





10 FILE UPLOADING FORMAT

4	А	В	С	D	E
1	Equipment	Equipment Description	Measuring Point	Measuring Point Description	Reading
2	11000742	COMPRESSOR-1 OF AIR CONDITIONER -1	141	GENERATOR	110
3					
4					
5					
6					
7					
8					





11 GLOSSARY

Company code	SAP term for legal entity for which a complete self-contained set of accounts can be		
	drawn up for external statutory reporting		
	In Logistics, a plant is an organizational unit for dividing an enterprise according to		
Plant	production, procurement, maintenance, and materials planning.		
	A place where materials are produced, or goods and services are provided.		
Maintenance Plant	Maintenance plant is a plant in which the technical objects of the company are		
ivialite fiant	installed and where maintenance is done.		
	A plant in which maintenance tasks are planned and prepared. The planning		
	responsibility for a maintenance plant is defined using a planning plant. Maintenance		
Maint. Planning Plant	plant are assigned to planning plants. Planning is performed for the Maintenance		
	plants in the planning plants.		
Plant Section	Plant section is subdivision of Maintenance Plant into different process / functional		
Tiant Section	areas.		
Planner Group	Planner Group is a group of persons responsible for maintenance planning in a		
Platifier Group	Planning plant.		
	The business object functional location is an organizational unit within Logistics, that		
Functional Location	structures the maintenance objects of a company according to functional, process-		
runctional Location	related or spatial criteria. A functional location represents the place at which a		
	maintenance task is to be performed.		
	An equipment is known as an individual object in the system that is maintained		
Farringsont	independently. Equipment can be installed at different functional locations. You can		
Equipment	create an individual equipment in an organization based on the object-based		
	structure of a technical system.		
	An organizational unit that defines where and when an operation must be		
	performed. The work center has an available capacity. The activities performed at or		
	by the work center are evaluated by charge rates, which are determined by cost		
Work Center	centers and activity types. Work centers can be:		
	- Machines		
	- People		
	- Production lines		
Task List	It's the set of operations to be performed for the maintenance of a technical object		
	You can assign each piece of equipment and each functional location to a technical		
Object	object type. This allows pieces of equipment that have the same use, for example, to		
Object Type	be combined into groups. You can use this grouping for evaluating your master data		
	or maintenance data.		
	Catalog profile will group distinct characteristics of the notification which will cater		
	the needs of management to analyze the company assets & to ascertain the		
Catalog Profile	decisions accordingly. Catalog profiles have sub class of code groups which will group		
	I decisions accordingly, catalog profiles have sup class of code groups which will group		





12 APPENDIX

12.1 T - CODES FOR REOPRTS

T-Code	Description
IW38	PM Order List Change
IW39	PM Order List Display
IW47	Display PM Order Confirmation using Operation List
IK07	Measuring Point List Display
IK08	Measuring Point List Change
IP15	Maintenance Plan List Change
IP16	Display Maintenance Plan
IP18	Maintenance Item List Display
IP24	Scheduling overview list form
MM60	Materials List
MMBE	Display Material Stock Overview





12.2 T - CODES FOR PM

T-Code	Description
IK01	Create Measuring Point
IK02	Change Measuring Point
IK03	Display Measuring Point
IK11	Create Measuring Document
IK12	Change Measuring Document
IK13	Display Measuring Document
	Collective (Equipment / Functional Location) Measuring
IK14	Document Create
IK16	Collective Measuring Document Create
	Collective (Equipment / Functional Location) Measuring
IK17	Document Display
	Collective (Equipment / Functional Location) Measuring
IK18	Document Change
	Collective (Functional Location) Measuring Document
IK21	Create
IK22	Collective (Equipment) Measuring Document Create
IP41	Create single cycle Maintenance Plan
IP01	Create Strategy Maintenance Plan
IP02	Change Maintenance Plan
IP03	Display Maintenance Plan
IP10	Schedule Maintenance Plan
IP30	Deadline Monitoring
IW21	Create PM Notification
IW22	Change PM Notification
IW23	Display PM Notification
IW31	Create PM Order
IW32	Change PM Order
IW33	Display PM Order
IW34	Create Notification Order
IW41	PM Order Confirmation
IW42	Overall Completion Confirmation
IW43	Display PM Order Confirmation
IW45	Cancel PM Order Confirmation
ZPM_CBM	Conditions Based Monitoring