

# Incorporation of Performance Points into Customer Reporting



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- If the customer desires to incorporate a specific Performance Graph / Report into their reporting structure
  - RSI will provide a draft SAP Report Specification as shown in the following slides
  - Work with the Customer SAP Report Developer to complete the design and testing procedures.
  - Estimate of cost will be provided at that time.
    - Report Designs have widely varying complexities



# SAP Report Specification Summary

<b>Requestor's Name</b>	Art Vandelay						
<b>Report Key User Role(s)</b>	Maintenance Technician Maintenance Planner Maintenance Supervisor Maintenance Manager Production Supervisor						
<b>Request Date</b>	7/22/2020						
<b>Requested by Date</b>	10/1/2020						
<b>Report Name for Custom Reports or Queries</b>	Overdue Preventive Orders						
<b>Report Short Description</b>	This report lists the Preventive Orders Planned Date of the Maintenance Plan / Item versus today's date.						
<b>Business Decisions to be Guided by this Report</b>	This report will allow schedulers to view the Preventive Maintenance Orders that are coming due (or overdue) in order to prioritize scheduling these orders.						
<b>Standard SAP Reports that are close to desired Report Functionality</b>	Standard Report does not exist in SAP. Planned Date does not presently exist in IW39 for Maintenance Plan driven Work Orders.						
<b>Is Drilldown Capability Needed – If so, list the drilldown path needed.</b>	None Required, Standard ALV Spreadsheet Format						
<b>Display (Layout) Variant Creation and Change Allowed?</b>	Yes						
<b>Navigation Capability Required? (click on Object to access Object Screen in Display Mode)</b>	Not Required						
<b>Reporting Tools Evaluated</b>	<b>Report Type</b>	<b>New Transaction</b>	<b>Program</b>	<b>InfoSet</b>	<b>InfoSet User Group</b>	<b>Query</b>	<b>Query Default Selection Variant</b>
	SAP Query	ZPM_OVERDUE_PM	ZPM_ODPM	ZPM_OD_PM	PM_User_Group	ZPM_OD_PM	OD_PM
	Transaction Variant						
	Report Painter						
	Report Writer						
	Business Warehouse						
	ABAP Coded Report / Program						

To submit an SAP Custom Report request, this information should be completed by the Requestor. The Report Tools Evaluated should be completed by the IT Team as part of the Functional Spec prior to design.



# SAP Report Specification Field Design

The Field Design specification should be initially completed by the Requestor as far as possible. Identifying the fields needed for Selection and Display, as well as Calculated Fields needed.

The IT Team should complete this form data as part of the Design Specification.

Item	Report Field	Selection	Selection Label	Display	Display Label	Type	Data From				
<b>SAP Field Listing</b>											
1	Main Work Center			X	Main Work Center	SAP Field	Order				
2	Order			X	Order	SAP Field	Order				
3	Order Short Text			X	Order Short Text	SAP Field	Order				Text Exists in ILART
4	Maint Plant	X	Maint Plant	X	Maint Plant	SAP Field	Order				
5	Cost Center			X	Cost Center	SAP Field	Order				
6	Room			X	Room	SAP Field	Order				
7	Functional Location			X	Functional Location	SAP Field	Order				
8	Functional Location Short Text			X	FL Text	SAP Field	Functional Location				Text Exists in ILART
9	Plant Section			X	Plant Section	SAP Field	Order	VIAUFKS	BEBER		
10	Order Type			X	Order Type	SAP Field	Order	VIAUFKS	AUART		
11	Maintenance Activity Type	X	Maintenance Activity Type	X	Maintenance Activity Type	SAP Field	Order	VIAUFKS	ILART		
12	Maintenance Activity Type Short Text			X	MAT Text	SAP Field	Maintenance Activity Type				Text Exists in ILART
13	Priority			X	Priority	SAP Field	Order	VIAUFKS	APRIO		
14	System Status			X	System Status	SAP Field	Order	VIAUFKS	ASTNR		
15	Maintenance Plan	X	Maintenance Plan	X	Maintenance Plan	SAP Field	Order	VIAUFKS	WARPL		
16	Maintenance Plan Text			X	Maintenance Plan Text	SAP Field	Maintenance Plan				Text Exists in WARPL
17	Maintenance Item			X	Maintenance Item	SAP Field	Order	VIAUFKS	WAPOS		
18	Maintenance Item Text			X	Maintenance Item Text	SAP Field	Maintenance Item				Text Exists in WAPOS
19	Basic Start Date			X	Basic Start Date	SAP Field	Order	VIAUFKS	GSTRP		
20	Cycle			X	Cycle	SAP Field	Maintenance Plan Package	MHIS	OFFZE	CY	
21	Revision			X	Revision	SAP Field	Order	VIAUFKS	REVNR		
22	Planning Plant			X	Planning Plant	SAP Field	Order	VIAUFKS	IWERK		
23	Plant for Work Center			X	Plant for Work Center	SAP Field	Order	VIAUFKS			
24	Planned Date	X	Planned (Due) Date	X	Planned (Due) Date	SAP Field	Maintenance Plan	MHIS	NPLDA	PD	
25	Maintenance Package			X	Maint Pkg	SAP Field	Maintenance Plan	MHIS	ZAEHL		
26	Last Completion	X	Last PM Completion	X	Last PM Completion	SAP Field	Maintenance Plan	MHIS	LRMDT		
27	Sort Field			X	MPlan Sort Field	SAP Field	Order	VIAUFKS	EQFNR		
<b>Query Calculation Field Listing</b>											
1	Days Delinquent			X	Days Delinquent	Local Field				DAYSDELQ	Today - Delinquent Date
2	Delinquent Date			X	Delinquent Date	Local Field				PDELQDATE	Planned Date + Planned Date Tolerance
3	Early Start Date			X	Early Start Date	Local Field				EARLYSTART	Planned Date - Planned Date Tolerance
4	Planned Date Tolerance			X	Planned Date Tolerance	Local Field				PDTOL	See Chart Below
5	Order Executed			X	Order Executed	Local Field				ORDEXEC	TECO Date or CNF Date > 0
6	Confirmed but not TECO			X	Confirmed but not TECO	Local Field				CNFNOTTECO	TECO Date >1, CNF Date < 1
7	Days left to Delinquency			X	Days left to Delinquency	Local Field				DAYSLEFT	Delinquent Date - Today
8	Cycle in Days			X	Cycle in Days	Local Field				CYD	Cycle / (60*60*24)



# SAP Report Specification Table Link Design

Display InfoSet ZPM\_OD\_PM

InfoSet Alias Join conditions

VIAUFS : Generated Table for View

Technical Name	Long Text
AUFNR	Order Number
PRIOK	Priority
EQUINR	Equipment Number
BAUTL	Assembly
ANLZU	Syst. Condition
IWERK	Maintenance Planning Plant
INGPR	Planner Group for Customer Service and Plant Maintenance
APGRP	Responsible planner group/department
GEWRK	Object ID of the Work Center
KLNUM	Customer Number
ANING	Name of Person Responsible for System
GAUEH	Unit for Breakdown Duration
GAUZT	Planned downtime in hours
ANLBD	Date until which the system is available
ANLVD	Date from which the system is available
ANLBZ	Time until which the system is available
ANLVZ	Time from Which System is Available
WARPL	Maintenance Plan
WAPOS	Maintenance item
REVNR	Revision for Plant Maintenance and Customer Service
ARTPR	Priority Type
ILOAN	Location and account assignment for technical object
ILOAI	ILOA Individual
PM OBJTY	Object Type of CIM Resources for Work Center
INSPK	Name of Person Responsible for Technical Inspection
DATAN	Date of Technical Inspection
ABNUM	Maintenance Plan Call Number
LAUFN	Order number
OBKNR	Object list number
AUJART	Order Type
AUTYP	Order category
ERNAM	Entered by
ERDAT	Created on
AENAM	Last changed by
AEDAT	Change date for Order Master
KTEXT	Description
LTEXT	Long Text Exists
BUKRS	Company Code

CRHD : Work Center Header

Technical Name	Long Text
OBJTY	Object types of the CIM resource
OBJID	Object ID of the resource
BEGDA	Start Date
ENDDA	End Date
AEDAT GRND	Changed on
AENAM GRND	User Name
AEDAT VORA	Changed on

MHIS : Maintenance plan history

Technical Name	Long Text
WARPL	Maintenance Plan
ABNUM	Maintenance Plan Call Number
ZAEHL	Maintenance Package Number
NPLDA	Next planned date
TERMA	Scheduling type
STADT	Start date
LRMDT	Date of last completion in maintenance

The IT Team should display and test the Table relationships (In this case for Queries) to ensure that the Report will function as designed.

