

SAP PM – Create Single Cycle Maintenance Plan in SAP

How to create single cycle maintenance plan in SAP

In this activity you learn how to create single cycle maintenance plan based on time based notification and time based order.

Navigation

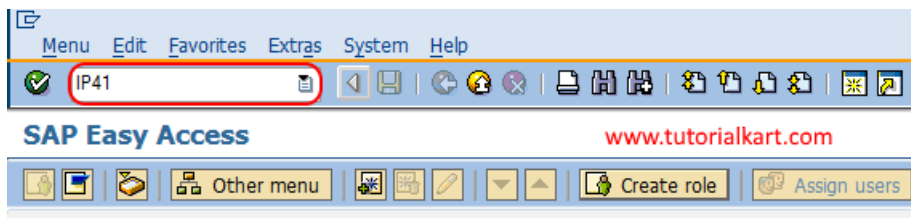
You can create single cycle maintenance plan in SAP by using the following navigation method.

Transaction Code	IP41
SAP Menu Path	Logistics > Plant Maintenance > Preventative Maintenance > Maintenance planning > Maintenance plans > Create > Single cycle plan.

Configuration Steps

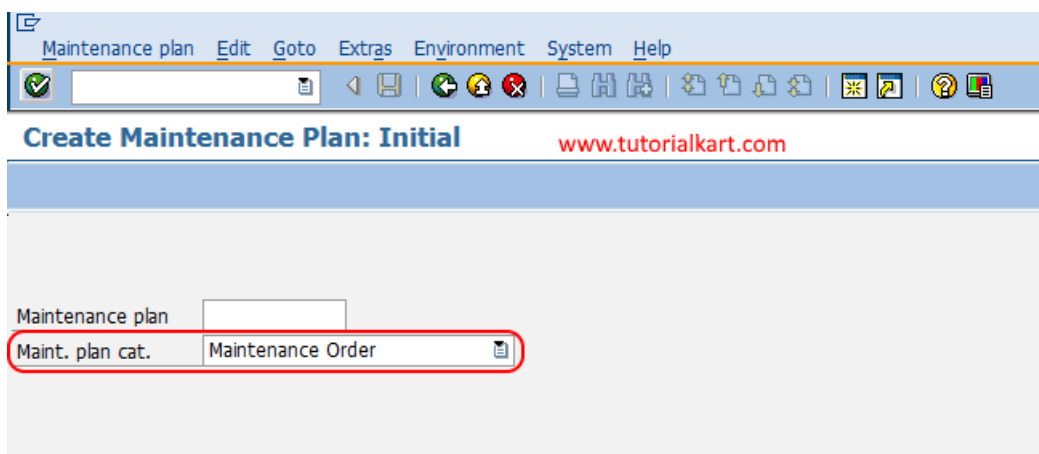
Perform the following configuration steps to the maintain the single cycle plan in SAP PM.

Step 1 : Execute t-code “IP41” in SAP command field as shown below image.



Step 2 : On create maintenance plan initial screen, update the following details.

- Maintenance plan : Leave this field as blank, as the SAP will generate a number for maintenance plan.
- Maint. Plan cat. : Choose the appropriate maintenance plan category as per requirements from the drop down list.



After entering the details, press enter to continue.

Step 3 : On create maintenance plan : single cycle plan screen, update the following details.

- Maintenance plan :Update the description of maintenance plan i.e. Oil filter change for every 50 days.
- Cycle/ Unit : Choose the unit for maintenance plan i.e. d(days).
- Cycle text : Update the description of cycle unit i.e. Operating days.

Create Maintenance Plan: Single cycle plan www.tutorialkart.com

Maintenance plan

Maint. plan head...

Maintenance plan cycle Maintenance plan scheduling parameters Maintenance plan additional data

Cycle/Unit

Cycle text

Offset/Unit

Counter

Reference Object

- Functional location : Update the **functional location** key that is required for work.
- Equipment : Update the **equipment** key that is required for work.

Item Object list item Item location

Maintenance Item

Reference object

Functional loc.	<input type="text" value="TKBL-PRD-PM-02"/>	TKS Functional Location Area
Equipment	<input type="text" value="ELCTRICPUMP"/>	Electric Pump
Assembly	<input type="text"/>	
UII	<input type="text"/>	

Planning Date

- Planning Plant : Update the **planning plant** for maintenance plan i.e. TKBL.
- Order type : Update the **order type** in the given field.
- Main Work Center : Update the work center key that is responsible for maintaining the functional location or equipment.
- Priority : Update the priority of work.
- Maintain planner group : Enter the respective **planner group** key on the relevant of functional location.
- Task List : Now assign the task list by choose select task list icon.

Create Maintenance Plan: Single cycle plan 000000000404

Item	Object list item	Item location	
Maintenance Item	1127	Oil filter change for every 50 days	
Reference object			
Functional loc.	TKBL-PRD-PM-02	TKS Functional Location Area	
Equipment	ELCTRICPUMP	Electric Pump	
Assembly			
Uff			
Planning Data			
Planning plant	TKBL TKBL - Bangalore Plant	Maint. Planner Group 100 Planner Group 100	
Order Type	TM01 Regular Maintenance Service	MaintActivityType	
Main WorkCtr	TKWC / TKBL TK Work Center T...	Business Area TK10 Bangalore Business Ar...	
Priority		Settlement Rule	
Sales Document			
<input type="checkbox"/> Do Not Rel.Immediately			
Task List			
Typ	Task LstGrp	GrpCr	Description
A	PUMP	1	Pump Inspection

Step 4 : Choose the option maintenance plan scheduling parameters options and update the all the required details for date determination, call control parameters and Scheduling indicator.

Maintenance plan 404 Oil filter change for every 50 days

Maint. plan head...

Maintenance plan cycle Maintenance plan scheduling parameters Maintenance plan additional data

Date determination

Shift Factor Late Compl. 100 %

Tolerance (+) %

Shift Factor Early Compl. 100 %

Tolerance (-) %

Cycle modification factor 1,00

Factory calendar

Call control parameter

Call horizon %

Scheduling period 365 DAY

☐ Completion Requirmnt

Scheduling indicator

☒ Time

☐ Time - key date

☐ Time - factory caldr

Start scheduling

Start of cycle

Item Object list item Item location

Maintenance Item 1127 Oil filter change for every 50 days

Reference object

Functional loc. TKBL-PRD-PM-02 TKS Functional Location Area

Equipment ELCTRICPUMP Electric Pump

Assembly

UII

Planning Data

Planning plant TKBL TKBL - Bangalore Plant Maint. Planner Group 100 Planner Group 100

Order Type TM01 Regular Maintenance Service MaintActivityType

Click on save icon to save the configured maintenance plan. Now the start date screen will appear, choose no radio button (the start date will be specified during scheduling) and press enter to continue.

Start Date

Specify a cycle start for the maintenance plan?

☐ Yes

☒ No

Cycle start

Successfully we have created single cycle maintenance plan in SAP PM.

SAP PM

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» SAP PM - Define Company Code

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» SAP PM - Define Plant

» SAP PM - Assign Plant to Company code

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SAP TCodes

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