

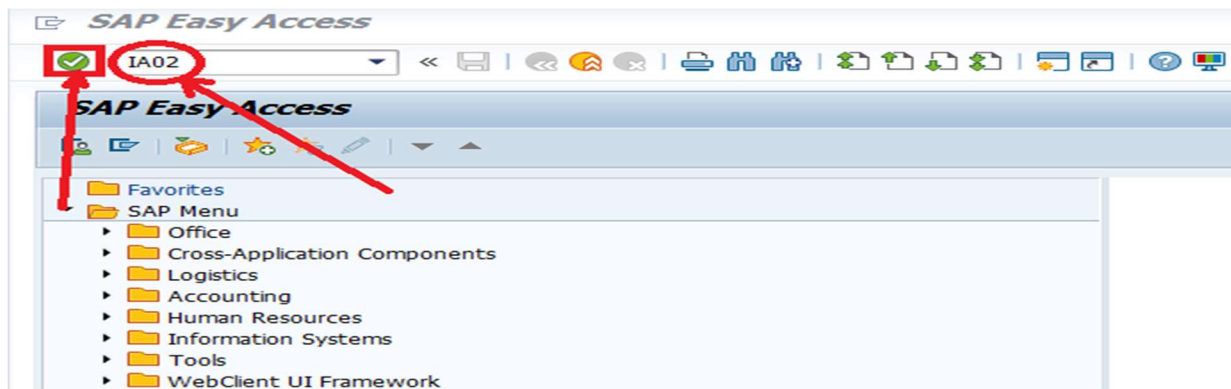
PLANT MAINTENANCE MODULE (PM)

Assigning Maintenance Packages to the Equipment Task List

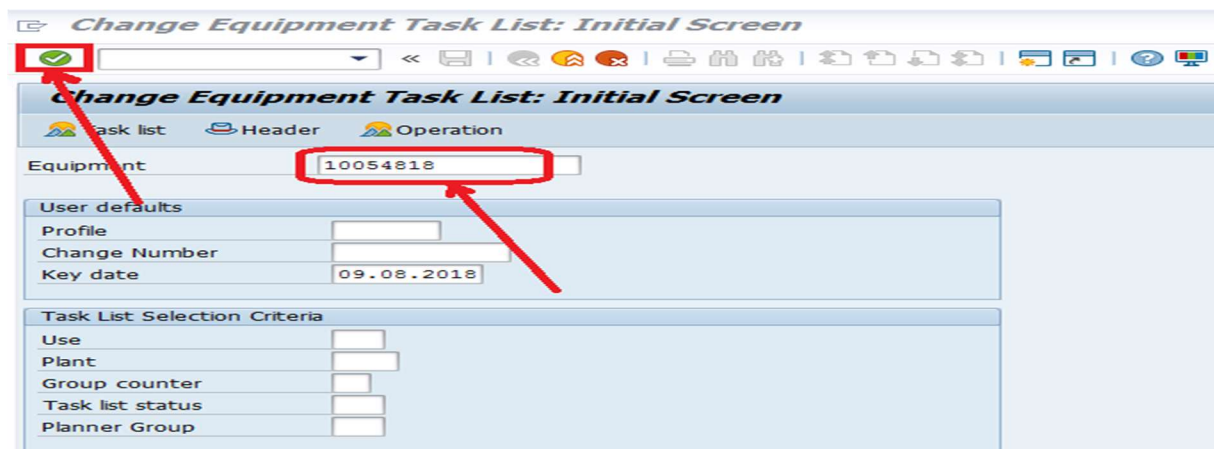
- The '**Equipment Task List**' is a master data which is predefined on the equipment.
- The list of activities/operations that are carried out on an equipment periodically from time to time as part of maintenance of the equipment, is denoted as 'Equipment Task list'.
- The periodicities of performing different activities in a 'task list' can be different.
- The periodicities are defined separately by assigning a suitable '**Maintenance Strategy**' to the '**Equipment Task List**'.
- A **maintenance strategy** can have different maintenance packages in it, each with a specific time period.
- Based on the frequency of execution of each **activity** in an **equipment task list**, the suitable **maintenance package** can be assigned to the respective activity.
- **Maintenance Plan** in SAP can be defined for an equipment in such a way that as per the maintenance packages assigned to the various activities, **maintenance orders** are **automatically** generated by the system as per the periodicities defined in the **maintenance packages** of the **maintenance strategy**.
- The prerequisite conditions for assigning maintenance packages to the individual activities of Equipment Task list are:
 - i) A "maintenance strategy" with suitable 'maintenance packages' with required periodicities should be first created.
 - ii) The created "maintenance strategy" should be assigned to the '**Equipment Task List**'.

The process of assigning **maintenance packages** to the various activities/operations of an **Equipment Task list** in **SAP** is explained below with screen shots.

STEP-1: Enter the T-Code '**IA02**' (**Change Equipment task list**) in the command field, in the SAP easy access screen and click **enter** button as indicated below.



STEP-2: Enter the equipment ID for which the maintenance packages are to be assigned to the task list and click **enter** button as indicated below.



STEP-3: Click the **Header** button in the operation over view screen to check whether the maintenance strategy is assigned to the task list.

Change Equipment Task List: Operation Overview

Change Equipment Task List: Operation Overview

Equipment 10054818 220 KV CT 500-300/1-0.66,1-0.375,
Group 20648 220 KV CT 500-300/1-0.66 1-0.375 Grp.Countr 1

General Operation Overview

Act	SOp	Work ctr	Plnt	Ctrl	Operation Description	LT	VI	Work	Un.	No.	Duration	Un.	C	Pct	Int. distr	Fac	ActTyp	StTex...	Functional loc.	Equipment
0010	MNT	5105	PM01		Measurement of Tan Delta and capacitance											1			FB-220KV-KDPL-VTFS--	10054818
0020	MNT	5105	PM01		Checking of below expansion											1			FB-220KV-KDPL-VTFS--	10054818
0030	MNT	5105	PM01		Insulation IR Test for Current Transfrmr											1			FB-220KV-KDPL-VTFS--	10054818
0040	MNT	5105	PM01		Check MB clean&tighntn of Secndry terminal											1			FB-220KV-KDPL-VTFS--	10054818
0050	MNT	5105	PM01		N2 pressure checking											1			FB-220KV-KDPL-VTFS--	10054818
0060	MNT	5105	PM01		Checking of oil leakage											1			FB-220KV-KDPL-VTFS--	10054818
0070	MNT	5105	PM01		Check oil leakage in terminal box Secndry											1			FB-220KV-KDPL-VTFS--	10054818
0080	MNT	5105	PM01		Primary injection Test Current Transfrmr											1			FB-220KV-KDPL-VTFS--	10054818
0090	MNT	5105	PM01																	
0100	MNT	5105	PM01																	
0110	MNT	5105	PM01																	
0120	MNT	5105	PM01																	
0130	MNT	5105	PM01																	
0140	MNT	5105	PM01																	
0150	MNT	5105	PM01																	
0160	MNT	5105	PM01																	
0170	MNT	5105	PM01																	

MntPack Components Rel PRT SPack Insp.Char Entry 1 / 8

STEP-4: It may be noted that maintenance strategy **APTRAN** is assigned to the **equipment task list** of equipment **10054818**, as indicated below.

Change Equipment Task List: Header General View

Change Equipment Task List: Header General View

Equipment 10054818 220 KV CT 500-300/1-0.66,1-0.375,
Group 20648 220 KV CT 500-300/1-0.66 1-0.375

Group 20648
Group Counter 1 220 KV CT 500-300/1-0.66 1-0.375
Planning plant 5105

Assignments to Header

Work center MNT / 5105 MAINTENANCE
Usage 4 Plant maintenance
Planner group L03 LIN03SD2 KONDAPALL
Status 4 Released (general)
System Condition 0 not in operation
Maintenance strategy **APTRAN** Strategy of APTRANSCO

QM Data
Inspection points
Ext. numbering

STEP-5: For viewing the **maintenance packages** included in the maintenance strategy **APTRAN**, **double click** on it. In the following screen populated, click on **'Packages'** button as indicated below.

Display Maintenance Strategies: Details

Dialog Structure

- Maintenance strategies
 - Packages**

Name: APTRAN
 Description: Strategy of APTRANSCO
 Scheduling indicator: Time
 Strategy unit: MON
 Call horizon: 100
 Shift Factor for Late Completion: 0
 Tolerance for Late Completion (%): 0
 Shift Factor for Early Completion: 0
 Tolerance for Early Completion (%): 0
 Factory Calendar: ☐
 Statistics
 Number of packages: 4
 Usage

It may be observed that there are **four** packages included in the **APTRAN** maintenance strategy, as indicated below.

Display Maintenance Packages

Name: APTRAN
 Description: Strategy of APTRANSCO
 Scheduling indicator: Time
 Pack. seq.

P...	Cycl.length	Unit	Maintenance cycle text	C...	H...	H...	Offset	O...	Initial	Su...
1		1 MON	1 Month	1M	1	H1		0	0	
2		3 MON	3 Months	3M	1	H2		0	0	
3		6 MON	6 Months	6M	1	H3		0	0	
4		12 MON	12 Months	1Y	1	H4		0	0	

Position... Entry 1 of 4

STEP-6: To go back to the '**operation overview**' screen, click the **back** button **four** times. In the **task list overview** screen populated as shown below, click on the **operation** button as indicated below.

Equipment Task List Change: Task List Overview

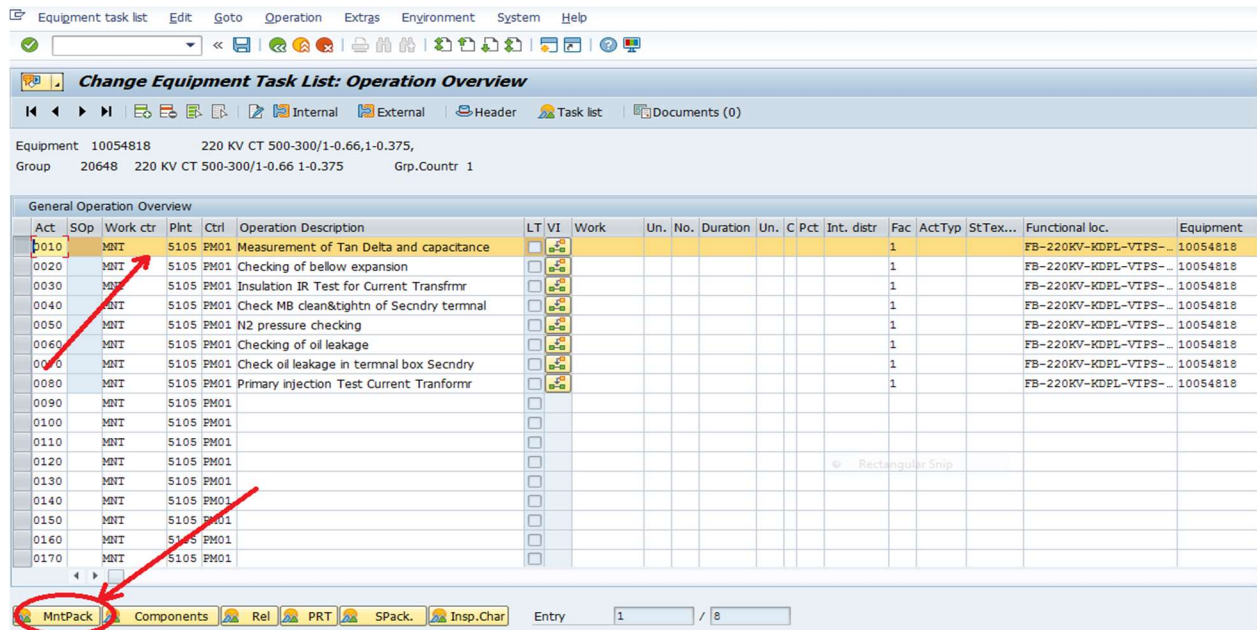
Equipment: 10054818
 Group: 20648
 220 KV CT 500-300/1-0.66,1-0.375,

Gen. Task List Overview

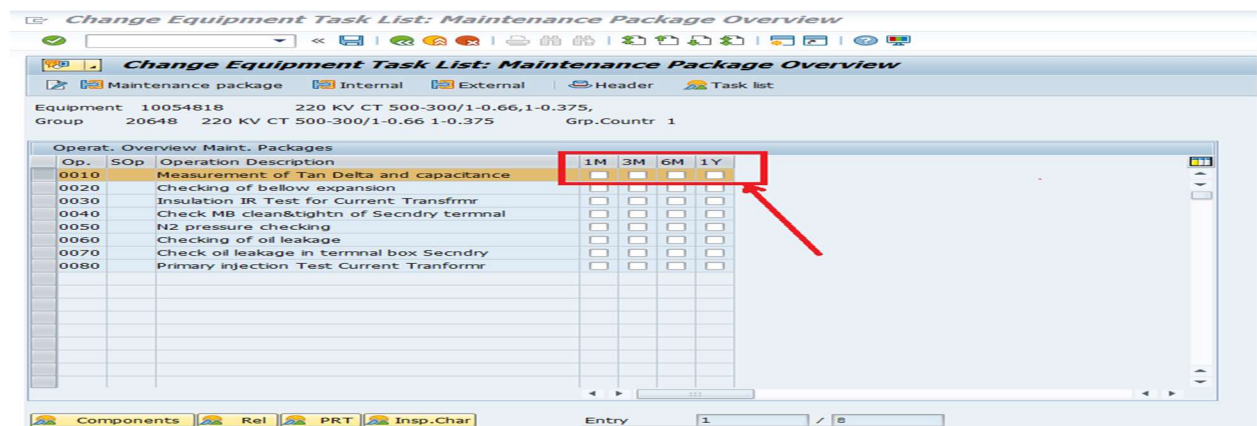
Ctrl	TL Desc.	Pint	Del.	Strategy	Usage	PlGrp	Status	S	Assembly	IP	EN
1	220 KV CT 500-300/1-0.66 1-0.375	5105	<input type="checkbox"/>	APTRAN	4	L03	4	0			

Entry: 1 / 1

STEP-7: In the operation over view screen, select the first activity and click the **MntPack** button at bottom of the screen as shown below.



STEP-8: It may be noted that in the maintenance package over view screen, all the packages that are available in the maintenance strategy **APTRAN** would appear as indicated below, against all the activities /operations of the task list. By checking the respective check box, the concerned packages can be assigned to any activity.



STEP-9: Check the check boxes as required, against each activity and click the save button as shown below. It may be noted that in the present example **1year package** is assigned to all the operations as shown below.

Change Equipment Task List: Maintenance Package Overview

Equipment: 10054818 220 KV CT 500-300/1-0.66,1-0.375,
 Group: 20648 220 KV CT 500-300/1-0.66 1-0.375 Grp.Countr: 1

Op.	SOP	Operation Description	1M	3M	6M	1Y
0010		Measurement of Tan Delta and capacitance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0020		Checking of bellow expansion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0030		Insulation IR Test for Current Transfrmr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0040		Check MB clean&tightn of Secndry termnal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0050		N2 pressure checking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0060		Checking of oil leakage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0070		Check oil leakage in terminal box Secndry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0080		Primary injection Test Current Tranformr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Components Rel PRT Insp.Char Entry: 1 / 8

STEP-10: After saving, system would display a message in the status bar that equipment task list is saved.

Change Equipment Task List: Initial Screen

Task list Header Operation

Equipment: 10054818

User defaults

Profile:
 Change Number:
 Key date: 09.08.2018

Task List Selection Criteria

Use: ☐
 Plant: ☐
 Group counter: ☐
 Task list status: ☐
 Planner Group: ☐

☒ Equipment task list 10054818 saved

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