

Planned maintenance

Planned Preventive Maintenance ('PPM') or more usual just simple **Planned Maintenance** (PM) or **Scheduled Maintenance** is any variety of scheduled maintenance to an object or item of equipment. Specifically, Planned Maintenance is a scheduled service visit carried out by a competent and suitable agent, to ensure that an item of equipment is operating correctly and to therefore avoid any unscheduled breakdown and downtime.^[1]

Together with **Condition Based Maintenance**, Planned maintenance comprises **preventive maintenance**, in which the maintenance event is preplanned, and all future maintenance is preprogrammed. Planned maintenance is created for every item separately according to manufacturers recommendation or legislation. Plan can be based on equipment running hours, date based, or for **vehicles** distance travelled. A good example of a planned maintenance program is **car maintenance**, where time and distance determine fluid change requirements. A good example of **Condition Based Maintenance** is the oil pressure warning light that provides notification that you should stop the vehicle because failure will occur because engine lubrication has stopped.

Planned maintenance has some advantages over **Condition Based Maintenance** (CBM) such as:

- easier planning of maintenance and ordering spares,
- costs are distributed more evenly,
- no initial costs for instruments used for supervision of equipment.

Disadvantages are:

- less reliable than equipment with **fault reporting** associated with CBM
- more expensive due to more frequent parts change
- requires training investment and ongoing labor costs

Parts that have scheduled maintenance at fixed intervals, usually due to wearout or a fixed shelf life, are sometimes known as time-change interval, or TCI items.

1 See also

- Aircraft maintenance checks

- **Condition Based Maintenance**
- **Planned Maintenance System**
- **Predictive maintenance**
- **Preventive maintenance**

2 References

- [1] Wood, Brian (2003). *Building care*. Wiley-Blackwell. ISBN 978-0-632-06049-8. Retrieved 2011-04-22.

3 Bibliography

- *Maintenance Planning, Coordination & Scheduling*, by Don Nyman & Joel Levitt Maintenance ISBN 978-0831134181

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4.1 Text

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