



Australian Government

**Assessment Requirements for MEM30017
Use basic preventative maintenance
techniques and tools**

Release: 1

Assessment Requirements for MEM30017 Use basic preventative maintenance techniques and tools

Modification History

Release 1. Supersedes and is equivalent to MEM30017A Use basic preventative maintenance techniques and tools.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include:

- interpreting organisation maintenance strategy
- selecting basic preventative maintenance techniques and tools
- identifying key information and performance indicators
- using basic preventative maintenance techniques and tools on at least two occasions
- interpreting results on at least two occasions
- assisting with the implementation of predictive or proactive preventative maintenance strategies.

Note: Where a volume and/or frequency is not specified, demonstration must be provided at least once.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- characteristics and strengths of different types of strategies including:
 - total productive and preventive maintenance
 - reliability-centred maintenance
- characteristics and strengths of different types of techniques and tools including:
 - root cause analysis (RCA)
 - mean time between failures (MTBF)
 - failure modes effects analysis (FMEA)
 - condition monitoring not involving application of trade skills
- principles of process equipment and how to improve its reliability
- resources required and how to obtain them
- hazard and control measures associated with using basic preventative maintenance techniques and tools, including housekeeping
- safe work practices and procedures.

Assessment Conditions

- Assessors must:
 - have vocational competency in using basic preventative maintenance techniques and tools at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the Standards for Registered Training Organisations 2015 or its replacement and comply with the National Vocational Education and Training Regulator Act 2011, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires.
- Where possible, assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions that cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required including relevant workplace procedures, product and manufacturing specifications.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>