



Australian Government

Assessment Requirements for MEM234035 Maintain and apply technical and engineering skills

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM234035A Maintain and apply technical and engineering skills.

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:

- determining the scope of own technical skills and identifying when to seek assistance
- following a planned and systematic approach to technical tasks and own professional development on at least two occasions
- providing detailed technical advice in own area of expertise to others
- communicating complex technical information effectively to multiple audiences including preparing engineering and related documentation, specifications, graphics and reports.

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:

- nature of the work of professions and occupations within the organisation and the impact their work may have on relevant engineering and related activities
- methods and opportunities for professional development including knowledge, or means of identifying, relevant journals, short courses, seminars and industry and technical associations
- context and limitations associated with delegated responsibilities within the organisation including role and responsibilities for subordinates and others working in own technical field who may not have equivalent technical knowledge
- context and limitations associated with delegated responsibilities related to work health and safety (WHS) and regulatory requirements, organisational business plan and budgets and financial objectives
- stakeholders for engineering activities on own discipline
- non-conformances and required actions
- organisation, management and operations control systems
- documents and reports
- document management systems operation
- non-engineering objectives

- sustainability issues relevant to own engineering activities
- methods of formal and informal communication including all forms of verbal and electronic means required to maintain information flow and perform functions.

Assessment Conditions

- Assessors must:
 - have vocational competency in maintaining and applying technical and engineering skills 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>