



Australian Government

Assessment Requirements for MEM09004 Perform electrical or electronic detail drafting

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM09004B Perform electrical/electronic detail drafting

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- preparing or making changes to electrical or electronic schematics and drawings to AS 1102 Graphical symbols, or equivalent, indicating relative positioning of components
- undertaking numerical operations, geometry, calculations and formulae associated with performing electrical or electronic detail drafting
- determining and selecting components and materials according to design specification
- completing documentation according to SOPs.

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:

- safe work practices and procedures
- relative position of electrical or electronic components
- symbols used in electrical or electronic schematics and drawings
- specifications of all components
- circuit specifications
- requirements of AS 1102 Graphical symbols or equivalent with respect to electrical or electronic schematics and drawings
- design specifications of the circuit and components
- appropriate components and materials from supplier catalogues
- reasons for selecting the chosen components and materials.

Assessment Conditions

- Assessors must:
 - have vocational competency in performing electrical or electronic detail drafting 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. This must 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.

Links

Companion Volume implementation guides are found in VETNet -

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