



Australian Government

Assessment Requirements for MEM09207 Produce drawings for reticulated services

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM09207A Produce drawings for reticulated services.

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:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- determining purpose and scope for drawing requirements relevant to the project utilising all available information
- identifying features and application of reticulated systems to meet the drawing requirements
- producing drawings for the installation of reticulated services to industry standards on at least two occasions
- identifying safety and environmental implications of reticulation system.

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:

- safe work practices and procedures
- different approaches to drawing
- sources of information
- copyright and intellectual property issues and legislation in relation to drawing
- quality assurance procedures
- SOPs for computer-aided drawing (CAD)
- order of drawing process
- organisational checking procedures for drawings
- layout and presentation requirements
- codes, standards and regulations related to reticulation systems
- terminology associated with drawings
- process of checking the completed drawing
- process of storing paper drawings and electronic drawing files

- reticulated systems
- features and operating principles of a reticulation systems and components including steam
- operation and suitability of the following for specific applications:
 - condenser
 - chilled
 - heating
 - compressed air systems and water systems
 - features and ventilation requirements for different gas systems
- flue requirements in a liquefied petroleum gas (LPG) system
- issues and hazards of fuel storage
- expansion and contraction factors
- support systems/anchors used in reticulated systems.

Assessment Conditions

- Assessors must:
 - have vocational competency in producing drawings for reticulated services 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.

Links

Companion Volume implementation guides are found in VETNet -

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