



Australian Government

Assessment Requirements for MEM23145

Apply codes and regulations to air conditioning designs

Release: 1

Assessment Requirements for MEM23145 Apply codes and regulations to air conditioning designs

Modification History

Release 1. Supersedes and is equivalent to MEM23145A Apply codes and regulations to air conditioning designs.

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:

- identifying and interpreting information relevant to the design task including air conditioning and environmental standards, codes and regulations, specifications and client requirements
- implementing work health and safety (WHS) procedures and practices including the use of risk control measures
- applying air conditioning design using relevant software tools
- applying codes and regulations to air conditioning system designs on at least two occasions through a compliance analysis that considers all applicable regulatory requirements
- making appropriate recommendations on how non-compliant systems can be rectified on at least two occasions
- communicating technical and procedural requirements to others
- dealing with unexpected situations
- documenting technical information and designs in accordance with procedures.

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:

- WHS requirements
- appropriate personnel to consult
- relevant design criteria for typical large-scale air conditioning plant and multi-zone applications
- air conditioning codes and requirements
- air conditioning system selection criteria
- zoning and building usage and relevance to regulatory compliance of large-scale air-conditioning systems
- regulatory and environmental requirements which can impact on final design
- organisational procedures

- resource and equipment requirements
- environmental requirements.
-

Assessment Conditions

- Assessors must:
- have vocational competency in applying codes and regulations to air conditioning designs 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 available on VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>