



Australian Government

Assessment Requirements for MEM23143

Apply energy management principles

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM23143A Apply energy management principles.

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 drawings and specifications
- implementing work health and safety (WHS) workplace procedures and practices including the use of risk control measures
- demonstrating the ability to apply energy management principles
- monitoring building management systems (BMSs)
- conducting energy audits on at least two occasions
- planning efficient energy management operations on at least two occasions
- communicating technical and procedural requirements to others
- dealing with unexpected situations.

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
- organisational procedures
- units of measurement, characteristics and supply for common energy sources
- typical energy sources, characteristics and uses
- energy usage within a multi-storey building
- energy auditing process
- system operation for energy efficiency and relevant standards
- implementing energy management procedures for a building
- building management system (BMS) attributes including functions, hardware, inputs and outputs
- energy management principles
- environmental considerations.
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Assessment Conditions

- Assessors must:
 - have vocational competency in applying energy management principles 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 available on VETNet -

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