



Australian Government

Assessment Requirements for MEM18011 Shut down and isolate machines/equipment

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM18011C Shut down and isolate machines/equipment

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
- identifying and interpreting specifications, charts, lists and other applicable reference documents to shut down and isolate machines and equipment
- shutting down machines/equipment ensuring machine/equipment is depressurised/emptied/de-energised/bled according to procedures
- isolating machines/equipment safely in accordance with SOPs, relevant regulations, Australian Standards and legislative requirements governing isolation and shutdown and verifying safe isolation
- installing safety/security lock-off devices and signage.

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 and use of personal protective equipment (PPE)
- operational function of the machine/equipment
- shutdown sequence
- procedures and safety precautions for shutting down and isolating the machine/equipment
- procedures for purging/de-energising the machine/equipment and reasons for doing so
- procedures for verifying machine/equipment shutdown and isolation and reasons for verifying
- relevant regulations, Australian Standards and legislative requirements governing isolation and shutdown
- safety/security lock-off devices and signage to be installed
- reasons and procedures for installing lock-off devices and signage
- reasons for ensuring the machine/equipment is left in a clean safe state.

Assessment Conditions

- Assessors must:
 - have vocational competency in shutting down and isolating machines/equipment 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>