



**Australian Government**

**Assessment Requirements for MEM10005  
Commission programmable controller  
programs**

**Release: 1**

# Assessment Requirements for MEM10005 Commission programmable controller programs

## Modification History

Release 1. Supersedes and is equivalent to MEM10005B Commission programmable controller programs

## 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 for commissioning programmable controller programs for compliance using appropriate checks
- commissioning single and multi-loop programs and control sequencing of processes for compliance with specifications using appropriate techniques
- editing program and making final adjustments to meet operational specification, as required.

## 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
- format and specifications of the program
- procedures for checking that program instructions comply with specifications and procedures for dealing with any non-conformances with specifications and techniques used
- procedures for manually stepping through the program
- function of software timers and counters and procedures for setting them
- techniques and checks to be used in checking program outputs
- measurements to be taken during the checking of program outputs
- instruments to be used to take measurements
- checks to be made to ensure that the external inputs comply with specifications
- techniques and equipment to be used in checking external inputs
- specifications and operational processes controlled by the programmable logic controller
- techniques and equipment to be used to check the operational process
- procedures for running and editing programs
- procedures to be followed when adjusting programs
- adjustments that can be made to the program

- effects of adjustments on the operational processes controlled by the program.

## Assessment Conditions

- Assessors must:
  - have vocational competency in commissioning programmable controller programs 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>