



Australian Government

Assessment Requirements for MEM10004 Enter and change programmable controller operational parameters

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM10004B Enter and change programmable controller operational parameters

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 and drawings for downloading software programs for a programmable logic controller (PLC) and/or distributed control system (DCS), and undertaking appropriate checks ensuring data transfer is accurate and completed according to specifications
- verifying system operation and making adjustments to the operating parameters, as required
- completing final check of machine operation and/or processing for compliance to specifications
- reporting all changes and adjustments according to standard operating procedures.

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
- appropriate and correct program loading techniques and reasons for selecting the chosen program loading technique
- checks to be undertaken during and after downloading
- reasons for checking that the data transfer is accurate and complete
- action to be taken if data transfer is inaccurate and/or incomplete
- specifications relating to the transferred data
- correct operation of the machine or process
- specific machine operations or process outputs being controlled by the programmable controller
- specific problems in accordance with SOPs
- operating parameters within the software program

- SOPs, including industry standards, production schedules, safety data sheets (SDS), work notes and plans, product labels, manufacturers' specifications, operator manuals, enterprise policies and procedures, supervisors' oral and written instructions, current state/territory work health and safety (WHS) legislation, standards and codes of practice
- specification to be met and functions to be controlled and machine operation or process output
- reporting process
- procedures to change parameters and their implications.

Assessment Conditions

- Assessors must:
 - have vocational competency in entering and changing programmable controller operational parameters 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>