



Australian Government

Assessment Requirements for MEM07015 Set computer controlled machines and processes

Release: 2

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Modification History

Release 2. Quantum of hours of workplace practice removed. Supersedes and is equivalent to MEM07015 Set computer controlled machines and processes (Release 1).

Release 1. Supersedes and is equivalent to MEM07015B Set computer controlled machines and processes.

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, drawings and other applicable reference documents with respect to setting computer controlled machines and processes
- selecting appropriate tool and work piece holding fittings and fixtures
- mounting pre-set tooling and verifying tool offsets and/or datum settings against job sheets or instructions
- undertaking numerical operations and calculations in carrying out setting of machines and processes
- loading and verifying programs
- conducting pre-start checks, including checking safety features and safety equipment, for correct operation
- setting and adjusting machine
- measuring and verifying first-off samples for conformance with specifications
- identifying worn or damaged tooling and taking appropriate corrective action
- instructing machine operator on the sequence of operations.

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)
- work holding fixtures/devices/tools and pre-set tooling for different machines and processes
- procedures for mounting work holding fixtures/devices/tools
- location of work holding fixtures/devices/tools relative to the machine datum or zero
- reasons for establishing tool offsets
- purpose of datum settings and sources of information on tool offsets and datum settings

- procedures to locate, load and verify programs
- pre-start checks, processes and procedures
- purpose and function of machine safety features and/or safety equipment
- machine/process, setting and operating procedures
- adjustments that can be made to the machine/process and the effect of adjustments on machine and operational specifications
- product or part specifications in relation to the machining process
- measuring devices for checking parts or products
- examples, effects and corrective action for worn or damaged tooling.

Assessment Conditions

- Assessors must:
 - have vocational competency in setting computer controlled machines and processes 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.
- Assessment must occur in a functioning workplace. Where assessment in the workplace would be unsafe, impractical or threatens the environment, assessment must occur in a sufficiently rigorous simulated environment that reflects the circumstances that would be experienced in a functioning workplace. Assessment must cover all aspects of workplace performance, including 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>