



Australian Government

Assessment Requirements for MEM12005 Calibrate measuring equipment

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM12005B Calibrate measuring 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
- checking measuring equipment for correct operation and faults using appropriate tools and equipment
- selecting appropriate calibration devices and equipment to manufacturers' specification and procedures
- calibrating equipment to appropriate physical and reference standards for conformance to specifications and in accordance with manufacturers' manuals and SOPs
- recommissioning equipment in accordance SOPs.

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)
- measuring equipment specifications, operation, wearing parts, connections and components
- checks that are to be made of the measuring equipment and the tools and equipment to be used when checking the measuring equipment
- common fault(s) that may be found in the measuring equipment
- effects of faults on the performance/accuracy of the measuring equipment
- relevant standards, legislative or regulatory requirements applicable to the measuring equipment and/or its calibration
- SOPs for calibrating and commissioning the measuring equipment and the tools and equipment required to do so
- calibration records to be kept/maintained in accordance with SOPs.

Assessment Conditions

- Assessors must:

- have vocational competency in calibrating measuring 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>