



Australian Government

**Assessment Requirements for UEEIC0004
Calibrate, adjust and test measuring
instruments**

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including
 - using risk control measures
- calibrating instrument to measure within specified tolerance
- carrying out calibration without waste of materials or damage to apparatus, the surrounding environment or services using sustainable energy principles
- connecting calibration testing/measuring arrangement in accordance with manufacturer instructions and certification requirements for instrument
- dealing with unplanned situations safely and in discussion with relevant person/s
- determining factors effecting instrument error
- documenting calibration with certification requirements
- identifying instrument parameters
- obtaining tools, equipment and testing devices
- preparing to calibrate, adjust and test measuring instruments
- quality checking of process outputs in accordance of workplace procedures.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- problem-solving techniques
- relevant calibration techniques
- relevant fundamentals of calibration
- relevant industry standards
- relevant instrument parameters and tolerance
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications and operating instructions

- relevant measurement standards applicable to scientific instruments
- relevant tools, equipment and testing devices
- relevant WHS/OHS legislated requirements
- relevant workplace documentation, including certification
- relevant workplace quality, instructions, policies and procedures
- sustainable energy principles.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated suitable workplace operational situations that replicate workplace conditions.

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.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, facilities and equipment currently used in industry
- resources that reflect current industry practices in relation to calibrating and testing measuring instruments
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>