



**Australian Government**

**Assessment Requirements for  
MEAA VI0038 Use electronic test  
equipment**

**Release: 1**

# Assessment Requirements for MEAAVI0038 Use electronic test equipment

## Modification History

Release 1. Application changed. Elements and Performance Criteria changed. Foundation Skills made explicit. Range of Conditions removed, and relevant information moved to Assessment Requirements. Assessment Requirements clarified. Supersedes and is equivalent to MEA261 Use electronic test equipment.

## Performance Evidence

There must be evidence the candidate has completed all the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- use each of the following items of test equipment to measure electronic circuit parameters and test performance:
  - electronic multimeters
  - phase-angle voltmeters (may be omitted where not applicable to the enterprise)
  - oscilloscopes (dual differential, differential, delayed time base, storage)
  - current probes
  - logic and discrete component testers
  - electronic component substitution boxes and miscellaneous test adapters.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the construction, calibration for use and testing for serviceability of:
  - electronic multimeters
  - phase-angle voltmeters
  - oscilloscopes (dual differential, differential, delayed time base and storage)
  - current probes
  - logic and discrete component testers
  - electronic component substitution boxes and miscellaneous test adapters
- use of selectors and scale adjustment of each item of test equipment to ensure accurate measurement of applicable parameters
- selection criteria for appropriate test equipment on the basis of general trade knowledge where specific test equipment is not specified
- methods used to identify polarity and connection to components and circuits for required measurement or testing
- high-speed oscilloscope techniques, probe calibration and safety precautions
- work health and safety (WHS) requirements for the use of electronic test equipment.

## Assessment Conditions

The following conditions of assessment represent the requirements of the regulators (DASA) and (CASA) and maintenance stakeholders and must be rigorously observed.

Skills must have been demonstrated under routine supervision in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in using test equipment. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials relevant to using test equipment
  - electronic test equipment specified in maintenance documentation
  - items of test equipment appropriate for the required testing.

Evidence of tasks demonstrating competency must be recorded in a log of industrial experience and achievement.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>