



Australian Government

**Assessment Requirements for UEEIC0002
Assemble, enter and verify operating
instructions in microprocessor equipped
devices**

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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:
 - implementing risk control measures
 - applying safe working practices
- completing required documentation
- assembling, entering and verifying operating instructions in basic microprocessor equipped devices
- identifying non-compliance conditions of device installation
- isolating electrical components in accordance with workplace procedures
- correcting programming anomalies
- testing, entering functions, verifying device operation parameters correctly and reporting
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- using required operating functions and parameters.

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:

- digital controllers, including:
 - types
 - block diagram of controller
 - applications
 - terms
- controller input and output equipment, including:
 - input sensors (transducers)

- current loop concepts
- output current and voltage ratings
- supplementary solid-state relays/contactors
- installation of microprocessor equipped device/s, including:
 - types of input sensors
 - wiring
 - mounting techniques
 - terminal types
 - output current protection
- configuration and digital controller set-up, including:
 - manufacturer's data
 - testing
- microprocessor equipped devices including simple programmable relays, timers, temperature controllers, switches and basic detection devices for security and fire systems
- operating instructions in basic microprocessor equipped devices
- function
- equipment and tools relating to testing of microprocessor equipped devices
- relevant workplace documentation
- relevant workplace policies and procedures
- risk control measures, including safe working practices
- techniques for resolving programming anomalies.
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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 workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated 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 other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- 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>