



Australian Government

Assessment Requirements for UEEEC0026 Enter and verify programs for fire protection systems

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:

- apply sustainable energy principles and practices
- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements, including using risk control measures
- correcting programming anomalies
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- entering functions and parameters correctly
- identifying non-compliance conditions of device installation
- performing program backups, version controls and documentation
- testing and verifying device operation
- understanding 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:

- fire protection systems programming methods
- input devices, including conventional alarm zones, analogue or analogue addressable fire detectors, flow switch connections or switch connections
- logic times, including software programs that control the operation of non-latching detectors and timer periods before operation of fire system suppression systems
- output devices, including shutdown signal, door or system release controls and solenoid valve controls
- program backup, version control and documentation requirements
- program loading methods and relevant information technology
- program testing methods
- relevant manufacturer specifications

- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- system interface controls, including verify signals to remote control and indicating equipment, building monitoring systems, paging system and colour graphics
- system variables, including standard software functions that operate smoke detector controls, dual zone alarm configurations, alarm and fault global functions
- vender programming codes and functions, including:
 - input/output (I/O) instructions
 - variables
 - timers
 - limitations of vender software.

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 suitable 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 simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- resources that reflect current industry practices in relation to entering and verifying programs for fire protection systems
- 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>