



Australian Government

Assessment Requirements for UEEEC0071 Troubleshoot 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:

- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements, workplace procedures and practices, including using risk control measures
- applying sustainable energy principles and practices
- completing documentation and reports correctly
- dealing with intermittent faults
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- determining scope of work from fault/breakdown reports and discussions with appropriate person/s
- finding and repairing faults in fire protection system
- finding fire protection system faults efficiently
- inspecting and testing fire protection system in accordance with workplace procedures and industry standards
- rectifying fire protection system faults effectively
- using methodical or analytical techniques in fault-finding techniques.

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:

- common fire protection systems faults
- effect-to-cause reasoning and assumptions of possible causes
- factors to consider in clarifying the nature of a fire protection system fault
- fire protection system fault-finding techniques
- fire protection technologies
- input devices, including conventional, analogue or analogue addressable fire detectors, flow switch connections or switch connections

- interface communication devices can be warden in communication phones and remote public address (PA) inputs
- methods for testing assumptions
- output devices, including shutdown signal, door or system release controls and solenoid valve controls
- problem-solving concepts and techniques
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- system interface controls, including communication signals to remote control and indicating equipment, building monitoring systems, paging system and colour graphics
- types of fire protection systems and the difference between automatic and passive systems and wet and dry systems
- typical causes of intermittent faults, including vibration, shock, changes in temperature and electromagnetic interference
- warning indicators, including flashing lights for hearing impaired persons and fire brigade building indication.

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, facilities, equipment and personal protective equipment (PPE) currently used in industry
- resources that reflect current industry practices in relation to finding and repairing faults in 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>