



Australian Government

**Assessment Requirements for UEERA0098
Inspect, test and repair fire and smoke
control features of mechanical services
systems**

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package. It replaces and is not equivalent to UEERA0096 Inspect, test and repair fire and smoke control features of mechanical services systems.

Modifications made in this release include:

- Performance criteria 1.8, 3.9, 4.4 and 4.5 added
- Compliance with legislation, regulation, and industry standards added to Performance Evidence
- Minor amendments made to Knowledge Evidence
- Content added to Companion Volume Implementation Guide (CVIG) to support implementation of Knowledge Evidence requirements.

Performance Evidence

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

- implementing WHS/OHS workplace procedures and practices including the use of risk control measures
- completing all work in compliance with relevant legislation, regulation, and industry standards
- reading and interpreting a cause-and-effect chart
- testing air handling changeover under fire/smoke conditions
- testing fire isolated stairwells and escape routes protected by air-pressurisation systems
- testing of mechanical services required to shut down under fire/smoke conditions
- using test instruments
- carrying out performance testing
- reporting defects, faults and recommending timeframes and solutions
- signing off and submitting documentation
- carrying out scheduled routine service at required intervals.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of (note: additional information related to some items below is contained in the UEE Companion Volume

Implementation Guide):

- types of safety measures and typical defects and faults
- types of buildings and Safety Measures requirements based on occupancy permit
- relevant legislation, regulation, and industry standards Building Code of Australia relevant to smoke hazard management systems
- statutory requirements and responsibilities in relation to safety measures
- routine service participants and responsibilities
- routine service, inspection and testing standards and requirements at various intervals
- documentation types and their purpose
- fire and smoke control features of mechanical services requirements, methods, applications, systems and equipment
- inspection and test tools, instruments and equipment types, applications, operation, use and care
- individual components or sections and systems safety measure inspection and test methods
- how to read and interpret a cause-and-effect chart.

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:

- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including: regulations, codes of practice, industry standards, workplace procedures, equipment specifications, relevant facility specific designs, drawings, baseline data or records 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>