



Australian Government

UEPOPS092 Operate and monitor fixed fire protection systems

Release: 1

UEPOPS092 Operate and monitor fixed fire protection systems

Modification History

Release 1. This is the first release of this unit of competency in the UEP Electricity Supply Industry – Generation Sector Training Package Release 2.0.

Application

This unit involves the skills and knowledge required to operate, inspect and monitor fixed fire protection systems.

Fixed fire protection systems are engineered sets of components that work together to detect fires, alert occupants and extinguish fires. Fixed fire protection systems use a combination of dry chemicals and wet agents to suppress fires.

Competency in this unit requires the ability to plan work, operate fixed fire protection system plant, test fixed fire protection system plant, analyse fixed fire protection system plant faults, monitor and inspect fixed fire protection system plant, and complete all documentation. Individuals will, in general, work under supervision, in a power generating facility as a fire systems operator.

Power generation plant operators are typically trained and authorised to isolate, prepare plant and issue permits to work.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

There are no prerequisite units.

Competency Field

Operations

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Plan and prepare work

- 1.1** Work health and safety (WHS)/occupational health and safety (OHS) regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, environmental requirements and workplace procedures are identified, applied and monitored
- 1.2** Work requirements are identified from relevant personnel and documentation in accordance with workplace procedures
- 1.3** Documentation to determine fixed fire protection system plant status is assessed and evaluated in accordance with workplace procedures
- 1.4** Inspection and field preparations for fixed fire protection system plant service are carried out in accordance with manufacturers' recommendations and specifications, and workplace procedures
- 1.5** Fixed fire protection system plant operational prerequisites are established in accordance with manufacturers' recommendations and specifications, and workplace procedures
- 1.6** Sequence for recommissioning of fixed fire protection system plant is determined in accordance with workplace procedures

2 Operate fixed fire protection system plant

- 2.1** Fixed fire protection system plant is operated in accordance with manufacturers' recommendations and specifications, and workplace procedures
- 2.2** Fixed fire protection system plant is monitored and observed to detect deviations from normal operating conditions in accordance with workplace procedures
- 2.3** Corrective actions are taken to rectify fixed fire protection system plant abnormalities in accordance with manufacturers' recommendations and specifications, and workplace procedures

3 Test fixed fire protection system plant operation

- 3.1** Operational tests are performed in accordance with workplace procedures
- 3.2** Fixed fire protection system plant is observed for correct operational response in accordance with manufacturers' recommendations and specifications, and workplace

		procedures
	3.3	Fixed fire protection system plant is returned to required operational status upon completion of testing in accordance with workplace procedures
4 Analyse fixed fire protection system plant faults	4.1	Causes of abnormal fixed fire protection systems plant operating conditions are identified by analysing technical and operational information in accordance with workplace procedures
	4.2	Fixed fire protection system plant integrity and personnel safety are maintained in consultation with relevant personnel and technical and operational documentation in accordance with workplace procedures
5 Monitor and inspect fixed fire protection system plant	5.1	Fixed fire protection system plant is monitored and inspected for normal operation and to detect deviations in accordance with workplace procedures,
	5.2	Relevant personnel are notified when defects are detected in accordance with workplace procedures
6 Complete documentation	6.1	Fixed fire protection system plant problems, movements, and status are reported in accordance with workplace procedures
	6.2	Documentation is updated in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEP Electricity Supply Industry – Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS317 Operate and monitor fixed fire protection systems.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>

Assessment Requirements for UEPOPS092 Operate and monitor fixed fire protection systems

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Performance Evidence

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

- analysing fixed fire protection system plant faults
- applying work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - emergency procedures
 - risk control measures
 - safe work practices
- communicating with personnel
- completing documentation
- confirming operational status of firefighting and fire prevention equipment
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- interpreting manuals
- monitoring and inspecting fixed fire protection system plant operation
- operating fixed fire protection system plant
- preparing and planning work
- testing fixed fire protection system plant operationally.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and include knowledge of:

- fire protection system testing
- fire suppression systems
- operational status of firefighting and fire prevention equipment
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- WHS/OHS requirements, including:
 - emergency procedures

- risk control measures
- safe work practices
- workplace documentation, including reports, records and logs
- workplace policies and procedures.

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

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