



Australian Government

UEPOPS317 Operate and monitor fixed fire protection systems

Release: 1

UEPOPS317 Operate and monitor fixed fire protection systems

Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

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 the completion of 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.

Note: Workplace practice

The application of the skills and knowledge described in this unit may require a licence or training permit to practice in the workplace where work is carried out on gas and electrical installations. Additional conditions may apply under state and territory legislative and regulatory licensing requirements.

Pre-requisite Unit

There are no prerequisite units.

Competency Field

Operations

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Plan and prepare work

- 1.1** Safety issues related to operating and monitoring fixed fire protection system plant are identified, in accordance with workplace procedures and Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations and legislative requirements
- 1.2** Work requirements are identified, in accordance with workplace procedures, from appropriate personnel and documentation
- 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 workplace procedures and manufacturers' recommendations
- 1.5** Fixed fire protection system plant operational prerequisites are established, in accordance with workplace procedures and manufacturers' recommendations
- 1.6** Sequence for recommissioning of fixed fire protection system plant is determined, in accordance with workplace procedures and site requirements

2 Operate fixed fire protection system plant

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

3 Test fixed fire protection

- 3.1** Operational tests are performed, in accordance with

system plant operation		workplace procedures
	3.2	Fixed fire protection system plant is observed for correct operational response, in accordance with workplace procedures and manufacturers' recommendations
	3.3	Corrective action is taken, in accordance with workplace procedures
	3.4	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, in accordance with workplace procedures, and by analysing technical and operational information
	4.2	Corrective action is taken, in accordance with workplace procedures
	4.3	Fixed fire protection system plant integrity and personnel safety are maintained, in accordance with workplace procedures, and in consultation with appropriate personnel and technical and operational documentation
5 Monitor and inspect fixed fire protection system plant	5.1	Fixed fire protection system plant to be monitored and/or inspected is physically identified, in accordance with workplace procedures
	5.2	Fixed fire protection system plant is monitored and/or inspected, in accordance with workplace procedures, for normal operation or to detect deviations
	5.3	Corrective action is taken, in accordance with workplace procedures
	5.4	Appropriate 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS317B 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 UEPOPS317 Operate and monitor fixed fire protection systems

Modification History

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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, performance criteria and range of conditions on at least two separate occasions and includes:

- 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 legislation, industry standards, codes of practice and regulations
- interpreting manufacturers' specifications and 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, performance criteria and range of conditions and includes knowledge of:

- fire protection system testing
- fire suppression systems
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- operational status of firefighting and fire prevention equipment
- WHS/OHS legislated requirements including:
 - emergency procedures

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

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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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.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

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 currently used in industry
- applicable documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

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