



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

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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>