



Australian Government

UEPOPS130 Respond to a critical incident

Release: 1

UEPOPS130 Respond to a critical incident

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 respond to a critical incident that may impact the operational effectiveness of a power generation facility's plant or system, endanger human life, damage or destroy property and/or have an adverse impact on the environment.

A critical incident refers to a crisis that may result in a high level of risk, directly or indirectly, to the core operations of a power generation facility. A high level of risk would be determined using the risk management processes outlined in the power generation facility's risk management system.

Competency in this unit requires the ability to identify a critical incident and consequences, stabilise power generation system, restore power generation system and review response to incident. Individuals will, in general, work as an operator, in a power generation facility.

Power generation plant operators are 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 Identify critical incident and consequences

- 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** Fault location is determined by monitoring and evaluating power generation system configuration and operational prerequisites in accordance with workplace procedures
- 1.4** Fault information is collated to determine type and cause of failure in accordance with workplace procedures
- 1.5** Power generation system limitations and performance, including location and external influences, are identified in accordance with workplace procedures

2 Stabilise power generation system

- 2.1** Critical incident response techniques are identified and used in accordance with workplace procedures
- 2.2** Personnel and external stakeholders are consulted prior to further critical incident actions being undertaken in accordance with workplace procedures
- 2.3** Power generation system requirements are assessed and controlled to maintain stability and integrity in accordance with workplace procedures
- 2.4** Corrective actions to rectify power generation system abnormalities are implemented following analysis of data in accordance with workplace procedures

3 Restore power generation system

- 3.1** Specialised assistance is identified in accordance with workplace procedures
- 3.2** Strategies to restore power generation system integrity are identified and communicated to relevant personnel in accordance with workplace procedures
- 3.3** Power generation system restoration is undertaken and monitored and adjusted in accordance with workplace

procedures

4 Review response to incident

- 4.1** Power generation system response is analysed in accordance with workplace procedures
- 4.2** Critical incident preventive measures are documented in accordance with workplace procedures
- 4.3** Findings are communicated to relevant personnel and key stakeholders 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 UEPOPS369 Respond to a critical incident.

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 UEPOPS130 Respond to a critical incident

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.

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:

- applying work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- communicating with personnel and stakeholders
- identifying and responding to abnormal power generation system operating conditions using data analysis techniques and tools
- identifying critical incident and consequences
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- interpreting manuals
- recognising power generation plant or system status using diagnostic techniques
- restoring power generation system
- reviewing response to incident
- stabilising and restoring power generation system operations
- stabilising power generation system
- using manuals.

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:

- abnormal power generation system operating conditions
- arrangements of power production plant
- generation and transmission capability limits
- manuals
- power generation plant and equipment, location and operating parameters

- power generation plant status
- power generation system restoration operations
- power generation system stabilisation
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- WHS/OHS requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- workplace documentation
- 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

Companion Volume implementation guides are found in VETNet -

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