



Australian Government

UEPOPS369 Respond to a critical incident

Release: 1

UEPOPS369 Respond to a critical incident

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 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 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 Identify critical incident and consequences

1.1 Information and documentation to determine power generation system status, and consequences of critical incident is analysed, in accordance with workplace procedures, legislative requirements, industry standards and Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations

1.2 Fault location is determined by monitoring and evaluating power generation system configuration and operational prerequisites, in accordance with workplace procedures

1.3 Fault information is collated, in accordance with workplace procedures, to determine type and cause of failure

1.4 Power generation system limitations and performance, including location and any external influences, are identified, in accordance with workplace procedures

2 Stabilise power generation system

2.1 Appropriate critical incident response techniques are identified and used, in accordance with workplace procedures

2.2 Appropriate personnel and external stakeholders are consulted, in accordance with workplace procedures, prior to further critical incident actions being undertaken

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, if required, is identified, in accordance with workplace procedures

3.2 Strategies to restore power generation system integrity are identified, and communicated to appropriate personnel, in accordance with workplace procedures

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| | 3.3 | Power generation system restoration is undertaken, and is 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 appropriate 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS369A 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 UEPOPS369 Respond to a critical incident

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:

- 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 legislation, industry standards, codes of practice and regulations
- interpreting manufacturers' specifications and 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 manufacturers' specifications and manuals

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:

- abnormal power generation system operating conditions
- generation and/or transmission capability limits
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- power generation plant and equipment, its location and operating parameters

- power generation plant status
- power generation system restoration operations
- power generation system stabilisation
- typical arrangements of power production plant
- WHS/OHS legislated requirements including:
 - emergency procedures
 - risk control measures
 - safe working practices
- workplace documentation
- 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.

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

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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