



Australian Government

UEPOPS513 Manage operational crisis to maintain or restore power system integrity

Release: 1

UEPOPS513 Manage operational crisis to maintain or restore power system integrity

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 manage a crisis of a magnitude which affects the integrity and effectiveness of the power generation facility's system.

A crisis is defined as a significant threat to power generation operations that can have negative consequences if not handled with care. The risk management system ensures that the power generation facility identifies, assesses and prioritises risks and manages the application of resources to monitor and control the impact of potentially hazardous events.

Competency in this unit requires the ability to identify a crisis, establish a contingency plan, establish communications, manage crisis documents and review the crisis and response. Individuals will, in general, work as an operator with responsibility for risk management, 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

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

1 Identify crisis

- 1.1 Operational crisis and implications are identified and assessed, in accordance with risk management system and workplace procedures
- 1.2 Secondary threats from crisis events are identified and monitored, in accordance with Risk Management System and workplace procedures
- 1.3 Network system configuration or power generation capability is evaluated, in accordance with risk management system and workplace procedures
- 1.4 Data determining network system and power generation status is assessed and evaluated, in accordance with risk management system and workplace procedures
- 1.5 External information is collated, assessed and managed, in accordance with risk management system and workplace procedures
- 1.6 Probable cause of crisis is identified from available information and resources, in accordance with risk management system and workplace procedures
- 1.7 Crisis team is activated and individual roles and responsibilities are identified and managed, in accordance with risk management system and workplace procedures

2 Implement contingency plan

- 2.1 Contingency and emergency response plans are implemented, using risk management system documentation and workplace procedures
- 2.2 Additional resources are identified, in accordance with risk management system and workplace procedures
- 2.3 Alternate strategies to cater for crisis variations are implemented, in consultation with key stakeholders, in accordance with risk management system and workplace procedures

3 Implement

- 3.1 Communication links with external authorities are established and implemented, in accordance with risk

communication	management system and workplace procedures, to ensure coordination of resources
3.2	Communication with key stakeholders is established and implemented to disseminate information, in accordance with risk management system and workplace procedures
3.3	Customers are assisted, in accordance with risk management system policies and workplace procedures
4 Manage crisis	4.1 Crisis response is managed, in accordance with risk management system, workplace procedures and site requirements
	4.2 Crisis events and responses are prioritised according to related risk and the needs of key stakeholders, in accordance with risk management system and workplace procedures
	4.3 Impact of secondary threats are managed, in accordance with risk management system and workplace procedures
	4.4 Contingency and emergency response plans are actioned and managed, in accordance with risk management system policies and workplace procedures
	4.5 Additional resources are managed and directed, in accordance with risk management system and workplace procedures
	4.6 Restoration strategies are monitored, evaluated and adjusted as required, in accordance with risk management system and workplace procedures
	4.7 Power generation systems are stabilised and integrity is maintained, in accordance with risk management system and workplace procedures
5 Document and review crisis and response	5.1 Equipment failure or problems are identified and managed, in accordance with risk management system procedures
	5.2 Crisis feedback from key stakeholders is analysed, in accordance with risk management system and workplace procedures
	5.3 Crisis reports and findings are distributed to appropriate personnel, in accordance with risk management system and workplace procedures

- 5.4 Improvements to crisis management plans, processes and procedures are recommended to appropriate personnel and key stakeholders, in accordance with risk management system and workplace procedures
- 5.5 Alternative crisis management strategies are identified and analysed, and recommendations are communicated to appropriate personnel and key stakeholders, in accordance with risk management system and 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 UEPOPS513B Manage operational crisis to maintain/restore power system integrity.

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 UEPOPS513 Manage operational crisis to maintain or restore power system integrity

Modification History

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

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 and techniques
 - safe working practices
 - site safety procedures
- communicating with personnel during a crisis event
- controlling crisis emergency situations
- detecting plant status including interpreting remote indication of plant status and condition
- determining corrective actions using data analysis techniques and tools
- documenting and reviewing crisis events and responses
- identifying crisis events
- implementing legislation, industry standards, codes of practice and regulations
- instigating contingency and emergency response plans
- managing crisis including oversight of personnel
- recognising abnormal plant operating conditions using diagnostic techniques
- responding to stakeholder feedback
- utilising communication techniques and methods including recording procedures
- working with and managing the risk management system

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:

- communication equipment, techniques and procedures
- contingency and emergency response plans
- control techniques and methods for crisis events
- 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
- Risk Management Systems
- risk mitigation processes
- role of external authorities and agencies
- stakeholder liaison and feedback
- stakeholder management techniques including liaising with contractors and clients
- types of crises events
- typical arrangements of power production plant
- WHS/OHS legislated requirements including
 - emergency procedures and techniques
 - safe working practices
 - site safety procedures
- 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.

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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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