



Australian Government

UEPOPS049 Manage critical incidents

Release: 1

UEPOPS049 Manage critical incidents

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 undertake the management of incidents of a critical nature that may impact the operational effectiveness of a power generation facility's plant or system. It may include endangering human life, damaging or destroying property or adversely impacting the environment.

A critical incident refers to an event that may result in a high level of risk, directly or indirectly, to the core operations of a power generation facility. The level of risk is 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 crisis, implement contingency and critical incident plans, establish communications, manage critical incident documents and review critical incident response. Individuals will, in general, work as an operator with responsibility for risk management, 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

UEPOPS130 Respond to a critical incident

UEPOPS031 Coordinate response to critical incidents

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** Critical incident and probable implications are identified and analysed in accordance with risk management system and workplace procedures
- 1.2** 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
- 1.3** Secondary threats from the critical incident are identified and monitored in accordance with risk management system and workplace procedures
- 1.4** Data related to critical incident is evaluated and managed to determine cause consequences and potential responses in accordance with risk management system and workplace procedures
- 1.5** Critical incident management team is activated and individual roles and responsibilities identified and managed in accordance with risk management system and workplace procedures

2 Implement contingency and critical incident plan

- 2.1** Contingency and critical incident plans are implemented using risk management system documentation in accordance with 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 managed in consultation with key stakeholders in accordance with risk management system and workplace procedures

3 Establish communications

- 3.1** Communication links with external authorities are established for coordination of resources in accordance with risk management system and workplace procedures
- 3.2** Communication with key stakeholders is established to disseminate information in accordance with risk

- management system and workplace procedures
- 4 Supervise critical incident**
- 4.1** Critical incident response is managed in accordance with risk management system and workplace procedures
- 4.2** Critical incident events and responses are prioritised, related to risk and the needs of stakeholders, in accordance risk management system and workplace procedures
- 4.3** Personnel and key stakeholder actions are monitored and managed in accordance with risk management system and workplace procedures
- 4.4** Impact of secondary threats are managed in accordance risk management system and workplace procedures
- 4.5** Contingency and critical incident plans are actioned and managed in accordance with risk management system and workplace procedures
- 4.6** Additional resources are directed and managed in accordance with risk management system and workplace procedures
- 4.7** Restoration strategies are monitored, evaluated and adjusted in accordance risk management system and workplace procedures
- 5 Document and review critical incident response**
- 5.1** Equipment failure and problems are managed in accordance with risk management system and workplace procedures
- 5.2** Critical incident feedback from key stakeholders is analysed and managed in accordance with risk management system and workplace procedures
- 5.3** Critical incident report, with alternative preventative measures, is distributed to relevant personnel in accordance with risk management system and workplace procedures
- 5.4** Improvements to critical incident management processes and procedures are managed in accordance with risk management system and workplace procedures
- 5.5** Alternative strategies are identified and analysed, and recommendations are communicated to relevant personnel 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 UEP Electricity Supply Industry - Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS523 Manage critical incidents.

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 UEPOPS049 Manage critical incidents

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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 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 and liaising with key stakeholders
- coordinating operation of system network
- determining contingency and critical incident plans
- documenting and reviewing critical incident and response
- identifying critical incident and potential consequences
- implementing contingency and critical incident plans
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- instigating communications, including recording procedures
- managing critical incident
- recognising plant status, including abnormal system operating conditions, using data analysis techniques and tools
- supervising emergency situations, including directing and managing personnel
- undertaking critical incident planning using diagnostic techniques
- using critical incident policies and procedures
- utilising risk management system
- working with restoration strategies.

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:

- arrangements of power production plant, including plant and equipment, location and operating parameters
- contingency and critical incident plans
- critical incident planning and management
- external critical incident authorities
- plant status, including system network characteristics
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- restoration strategies
- risk management systems
- risk mitigation processes
- 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

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