



Australian Government

UEPOPS123 Perform risk analysis of generation plant

Release: 1

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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 identify and analyse risks in the loss of power generation and production plant.

Risk analysis identifies dangers posed by potential natural or human caused adverse events. Once risks have been identified, they must be assessed as to potential impact and the probability of occurrence.

Competency in this unit requires the ability to identify risks; conduct analysis; produce, implement and monitor recommendations; and complete documentation. Individuals will, in general, work under supervision, in a power generation facility as an operator.

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

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

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|---|---|
| 1 Identify risk | 1.1 Power generation plant maintenance and operational procedures are obtained in accordance with workplace procedures |
| | 1.2 Power generation plant operating and maintenance history, including incident and failure reports, is obtained in accordance with workplace procedures |
| | 1.3 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 |
| | 1.4 Power generation plant technical documentation is obtained in accordance with workplace procedures |
| | 1.5 Risk analysis objectives for power generation plant are defined in accordance with workplace procedures |
| 2 Conduct analysis | 2.1 Risk analysis is completed using methodology in accordance with workplace procedures |
| | 2.2 Power generation plant incident scenarios are identified and consequences analysed and prioritised for risk in accordance with workplace procedures |
| | 2.3 Objectives identified during risk analysis for power generation plant risk scenarios are recorded in accordance with workplace procedures |
| 3 Produce, implement and monitor recommendations | 3.1 Recommendations for risk preventative actions are produced against each power generation plant risk scenario in accordance with workplace procedures |
| | 3.2 Implementation of recommendations for risk controls are monitored in accordance with workplace procedures |
| 4 Complete documentation | 4.1 Risk analysis recommendations are documented in accordance with workplace procedures |
| | 4.2 Risk analysis report is produced and submitted 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 UEPOPS414 Perform risk analysis of generation plant.

Links

Companion Volume implementation guides are found in VETNet -

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