



Australian Government

UEPOPS054 Manage operational strategies for power production

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 manage operational strategies in achieving the short- and long-term goals of a power generation facility's production plant.

An operational plan of action describes how a power generation facility will employ resources in producing power. Operational strategies are the methods used to reach objectives and performance targets related to resources, personnel and the work processes outlined in the operational plan.

Competency in this unit requires the ability to identify short- and long-term strategies, implement and manage strategies and report outcomes of strategies. Individuals will, in general, work as an operator with responsibility for operational strategies, in a power generation facility.

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.

1 Identify short- and long-term strategies

- 1.1** Purpose of short- and long-term strategies are identified and clarified with all stakeholders, including external organisations, in accordance with 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** Budgets, operational, maintenance and personnel requirements are evaluated with operational plan and strategies in accordance with workplace procedures
- 1.4** Data and operational information are analysed and evaluated in accordance with workplace procedures
- 1.5** Operating strategies are monitored and managed in accordance with workplace procedures
- 1.6** Team and individual roles and responsibilities are identified and managed in accordance with workplace procedures

2 Implement and manage strategies

- 2.1** Power generating plant operational procedures are reviewed and managed in consultation with stakeholders, operational plan and strategies in accordance with workplace procedures
- 2.2** Power generating plant operations and condition are managed and reported in accordance with workplace procedures
- 2.3** Power generating plant abnormal operating conditions are investigated and reported in accordance with workplace procedures
- 2.4** Critical resources and supplies for operational strategies are managed with operational plan in accordance with workplace procedures
- 2.5** Human resource requirements are managed in accordance workplace procedures
- 2.6** Debriefings are conducted with operational plan in accordance workplace procedures

3 Report outcomes of

- 3.1** Improvements to operational strategies are identified and

strategies

managed in consultation with all stakeholders in accordance workplace procedures

- 3.2 Results of debriefings are reported with operational plan in accordance with workplace procedures
- 3.3 Improvements to operational strategies are implemented and managed with operational plan 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 UEPOPS529 Manage operational strategies for power production.

Links

Companion Volume implementation guides are found in VETNet -

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