



Australian Government

UEPOPS027 Coordinate operational strategies for power production

Release: 1

UEPOPS027 Coordinate operational strategies for power production

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 coordinate operational strategies to achieve short- and long-term goals of a power generation facility's production plant.

An operational plan describes how a power generation facility will use resources within specified timeframes. Operational strategies are the methods used to reach objectives and performance targets related to the power generation facility's operational plan.

Competency in this unit requires the ability to coordinate the implementation of operational strategies, monitor strategies and report on performance against strategies. Individuals will, in general, work as a coordinator in operational management, 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.

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|--|---|
| 1 Coordinate implementation of operational strategies | <ul style="list-style-type: none">1.1 Power generating plant operational plan and strategies are identified and implemented in accordance with workplace procedures1.2 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 monitored1.3 Power generating plant operations and condition is monitored and reported on in accordance with workplace procedures1.4 Resources and supplies are coordinated to meet operational plan and strategy requirements in accordance with workplace procedures1.5 Authorising personnel are informed about implementation strategies in accordance with workplace procedures |
| 2 Monitor strategies | <ul style="list-style-type: none">2.1 Deviations from operational plan and strategies are identified and recorded in accordance with workplace procedures2.2 Impact on operational strategies is identified and reviewed in accordance with workplace procedures2.3 Operational strategies are monitored in accordance with workplace procedures |
| 3 Report performance against strategies | <ul style="list-style-type: none">3.1 Data is collected on operational strategy implementation and is processed for review in accordance with workplace procedures3.2 Abnormal conditions that impact operational strategy implementation are reported in accordance with workplace procedures3.3 Changes to operational strategies are documented and referred to relevant personnel 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 UEPOPS413 Coordinate 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>

Assessment Requirements for UEPOPS027 Coordinate operational strategies for power production

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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:
- using operational plans
- emergency procedures
- risk control measures
- safe working practices
- communicating with personnel
- coordinating implementation of operational strategies
- evaluating operational strategy implementation using data analysis techniques and tools
- identifying power generation plant status
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- interpreting plant drawings and manuals
- monitoring operational strategies
- power generation plant, systems and operating parameters
- reporting on operational 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
- coordination of operational strategies
- data collection and analysis techniques
- power generation plant and equipment, location and operating parameters
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- 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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