



Australian Government

UEPOPS028 Coordinate permit to work system

Release: 1

UEPOPS028 Coordinate permit to work system

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 coordinate the permit to work system in a power generation facility inclusive of implementation and application on a day-to-day basis, during major power outages and in other projects.

Permits to work are a formal system used to control high-risk activities in power generation facilities. They specify control measures to be used. Permits to work ensure that all hazards and precautions have been considered before any hazardous work begins.

Competency in this unit requires the ability to plan implementation of permit to work procedures, coordination of power outage permit to work requirements and coordination of the permit to work system. Individuals will, in general, work as a coordinator, 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

UEPOPS011 Conduct multiple energy source isolation procedures for permit to work

Competency Field

Operations

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Implement permit to work procedures

- 1.1** Work requirements, including permits, are identified from relevant personnel and documentation 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** Power generation plant isolations are coordinated and confirmed with relevant personnel in accordance with workplace procedures
- 1.4** Issue, cancellation and recording of permits to work is carried out in accordance with workplace procedures
- 1.5** Power generation plant de-isolation and restoration is coordinated with relevant personnel in accordance with workplace procedures
- 1.6** Documentation is completed in accordance with workplace procedures

2 Coordinate permit to work requirements

- 2.1** Power outage plan is obtained from and confirmed with relevant personnel in accordance with workplace procedures
- 2.2** Critical paths, major milestones and potential conflicts between permits to work for power outage work are identified and assessed in accordance with workplace procedures
- 2.3** Permits to work are detailed in maintenance plan and work is structured to not impact power outage targets in accordance with workplace procedures
- 2.4** Resources are obtained and utilised to ensure power outage plan targets are maintained in accordance with workplace procedures,
- 2.5** Issue and cancellation of permits to work is coordinated in accordance with workplace procedures
- 2.6** De-isolation and restoration of power generation plant is planned and coordinated to meet recommissioning

- targets in accordance with workplace procedures
- 2.7 Records are maintained during power outages in accordance with workplace procedures
- 3 Report on permit to work system**
- 3.1 Permit to work system is monitored, reviewed and results are evaluated in accordance with workplace procedures
- 3.2 Results are documented and reports are confirmed with relevant personnel in accordance with workplace procedures
- 3.3 Permit to work system incidents are identified in accordance with workplace procedures
- 3.4 Permit to work incidents are investigated and assessed 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 UEPOPS403 Coordinate permit to work system.

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 UEPOPS028 Coordinate permit to work system

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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 with personnel and stakeholders
- coordinating power outage permit to work requirements
- coordinating the permit to work system by utilising planning principles and techniques
- evaluating permit to work system using data analysis techniques and tools
- identifying power generating plant status, including locating power generating plant and equipment
- identifying power outage requirements
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- interpreting manuals
- reporting on permit to work system
- using mechanical equipment isolation techniques
- using permit to work procedures.

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 permit to work systems
- evaluation and analysis techniques
- manuals
- mechanical and electrical equipment isolation techniques

- power generation plant and equipment, location and operating parameters
- power generation plant status
- 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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