



Australian Government

UEPOPS403 Coordinate permit to work system

Release: 1

UEPOPS403 Coordinate permit to work system

Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

Application

This unit involves the skills and knowledge required to coordinate the permit to work system in a power generation facility inclusive of its 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 typically 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.

Note: Workplace practice

The application of the skills and knowledge described in this unit may require a licence or training permit to practice in the workplace where work is carried out on gas and electrical installations. Additional conditions may apply under state and territory legislative and regulatory licensing requirements.

Pre-requisite Unit

UEPOPS402 Conduct multiple energy source isolation procedures for permit to work

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 Implement permit to work procedures

- 1.1** Permit to work requirements are identified from appropriate personnel and documentation, in accordance with workplace procedures
- 1.2** Permit to work is implemented, in accordance with legislative requirements and workplace procedures
- 1.3** Power generation plant isolations are coordinated and confirmed with appropriate 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 appropriate 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 appropriate 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, in accordance with workplace procedures, to not impact power outage targets
- 2.4** Resources are obtained and utilised, in accordance with workplace procedures, to ensure power outage plan targets are maintained
- 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, in accordance with workplace

- procedures, to meet recommissioning targets
- 2.7** Records are maintained during power outages, in accordance with workplace procedures and site requirements
- 3 Report on permit to work system**
- 3.1** Permit to work system is monitored and reviewed, and results are evaluated, in accordance with workplace procedures
- 3.2** Results are documented and reports are confirmed with appropriate 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS403B 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 UEPOPS403 Coordinate permit to work system

Modification History

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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, performance criteria and range of conditions on at least two separate occasions and includes:

- 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 legislation, industry standards, codes of practice and regulations
- interpreting manufacturers' specifications and 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, performance criteria and range of conditions and includes knowledge of:

- coordination of permit to work systems
- evaluation and analysis techniques
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- mechanical and electrical equipment isolation techniques

- power generation plant and equipment, its location and operating parameters
- power generation plant status
- typical arrangements of power production plant
- WHS/OHS legislated requirements including:
 - emergency procedures
 - risk control measures
 - safe working practices
- workplace documentation
- workplace policies and procedures

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

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 currently used in industry
- applicable documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

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