



Australian Government

UEPOPS062 Monitor and maintain civil assets

Release: 1

UEPOPS062 Monitor and maintain civil assets

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 monitor and conduct maintenance to ensure the integrity of power generation civil assets.

Civil asset maintenance strategies are used to preserve and extend the service life of infrastructure. Civil assets may include infrastructure such as water treatment facilities, sewer pipelines, roads, utility grids, bridges, tunnels and railways.

Competency in this unit requires the ability to plan work, monitor civil assets, maintain civil assets and complete all work. Individuals will, in general, work as an operator, 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

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Plan and prepare for work

1.1

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
- 1.2** Work requirements are identified from relevant personnel and documentation in accordance with workplace procedures
 - 1.3** Resources are obtained and inspected for compliance in accordance with workplace procedures
 - 1.4** Potential hazards are identified, and risk control measures are selected and implemented in accordance with workplace procedures
 - 1.5** Work is sequenced and prioritised in accordance with workplace procedures
- 2 Monitor civil assets**
- 2.1** Monitoring frequency of civil assets is determined in accordance with workplace procedures
 - 2.2** Check list for civil asset monitoring is maintained in accordance with workplace procedures
 - 2.3** Abnormal events or conditions are reported to relevant personnel in accordance with workplace procedures
- 3 Maintain civil assets**
- 3.1** Maintenance of civil assets is undertaken in accordance with workplace procedures
 - 3.2** Relevant tools, equipment and plant required to maintain civil assets are utilised in accordance with manufacturers' specifications and workplace procedures
- 4 Complete work**
- 4.1** Maintenance work is completed and relevant personnel notified in accordance with workplace procedures
 - 4.2** Work area is cleared of waste, cleaned, restored and secured in accordance with workplace procedures
 - 4.3** Civil asset maintenance tools and equipment are maintained and stored in accordance with manufacturers' recommendations and specifications, and workplace procedures
 - 4.4** Work completion details are finalised 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 UEPOPS327 Monitor and maintain civil assets.

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 UEPOPS062 Monitor and maintain civil assets

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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
- completing work
- identifying and selecting equipment and materials for civil asset maintenance work
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- interpreting manuals
- maintaining civil assets
- monitoring civil assets
- planning work
- storing and maintaining tools and equipment
- using monitoring and maintenance 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 hydroelectric generation plant
- layout of worksite and civil assets
- manuals
- monitoring and maintenance techniques
- principles of hydroelectric generation
- 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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