



Australian Government

UEECD0013 Develop and implement energy sector maintenance programs

Release: 1

UEECD0013 Develop and implement energy sector maintenance programs

Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Application

This unit involves the skills and knowledge required to develop and implement energy sector maintenance programs.

It includes preparing, developing and implementing maintenance programs. It also includes evaluating risks associated with equipment failure; developing maintenance frequency; adhering to repair/replacement policies; and developing, recording and reporting system.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable

Competency Field

Cross Discipline

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare maintenance requirements for energy sector

PERFORMANCE CRITERIA

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

1.1 Work health and safety (WHS)/occupational health and safety (OHS) processes and workplace procedures for a given work area are identified, obtained and applied

1.2 WHS/OHS risk control measures and workplace

procedures in preparation for the work are followed

- 1.3** WHS/OHS and workplace procedures are developed for required practice skills, frequency and level of maintenance work
 - 1.4** Maintenance program is determined from plant performance specifications and in consultation with relevant person/s
 - 1.5** Relevant person/s is engaged to assess the risks with individual equipment failure
 - 1.6** Level and frequency of repair/replacement for maintenance work is identified following manufacturer instructions in accordance with WHS/OHS and relevant industry standards
 - 1.7** Systems to manage and record maintenance work are identified in accordance with workplace procedures and relevant industry standards
- 2 Develop and implement maintenance program**
- 2.1** Schedules detailing maintenance levels and frequency for equipment items are developed in accordance with risk assessment reports and manufacturer instructions
 - 2.2** Workplace procedures for the maintenance program are developed and implemented in accordance with workplace schedule and relevant industry standards
 - 2.3** Workplace procedures for records to be maintained are developed and implemented in accordance with workplace schedule and relevant industry standards
 - 2.4** Maintenance program is documented in accordance with relevant industry standards and workplace procedures
- 3 Evaluate maintenance program**
- 3.1** Periodic and sample inspection reports are used for maintenance quality and revision of maintenance schedule and frequency in accordance with workplace procedures
 - 3.2** Maintenance schedule is reviewed and revised to maintain equipment to acceptable level 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 UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Developing and implementing energy sector maintenance programs must include producing one workplace maintenance program and include at least ten different types of items included in the schedule:

- elements or variables included in the schedule

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE110A Develop and implement energy sector maintenance programs.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>

Assessment Requirements for UEECD0013 Develop and implement energy sector maintenance programs

Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - using risk control measures
- determining the maintenance program from specifications and relevant person/s
- developing a maintenance record system
- developing maintenance schedule implementation procedures
- developing maintenance program and evaluation procedures
- documenting the maintenance program
- identifying the level and frequency of repair/replacement maintenance
- preparing maintenance requirements.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- relevant equipment
- relevant industry standards
- relevant maintenance principles
- relevant maintenance systems maintenance plan
- relevant manufacturer specifications and operating instructions
- relevant plant performance specifications
- relevant review of maintenance plan
- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation, including:
 - periodic and sample inspection reports
- relevant workplace quality, instructions, 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 suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated suitable 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 simulations
- relevant and appropriate materials, facilities, tools and equipment currently used in industry
- resources that reflect current industry practices in relation to developing and implementing maintenance programs
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>