



Australian Government

UEECD0012 Contribute to risk management in electrotechnology systems

Release: 1

UEECD0012 Contribute to risk management in electrotechnology systems

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 contribute to risk management in electrotechnology systems.

It includes contributing to the identification of electrotechnology systems risks and risk events, the likelihood and consequences of events, evaluating risk, risk management planning and mitigation of risk.

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 Contribute to the identification of risks and development of management strategies**

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 Scope of program or project is identified from design brief specification and/or relevant documentation and in consultation with relevant person/s
 - 1.3 Potential, perceived and actual risk events in electrotechnology systems risks are identified for contribution, documented and analysed in consultation with relevant person/s in accordance with workplace procedures
 - 1.4 Risk management methods, tools and techniques are used in the analysis and documentation of identified risk events
 - 1.5 Risk management techniques are used to analyse electrotechnology systems risks and risk events, options are assessed and risk approaches recommended to relevant person/s for approval
 - 1.6 Draft risk management processes and workplace procedures are developed and communicated with stakeholders for the management of risk factors
 - 1.7 Risk management processes and workplace procedures are submitted to relevant person/s for approval in accordance with workplace procedures
 - 1.8 WHS/OHS risk control measures are submitted for incorporation in risk management strategies in accordance with workplace procedures and relevant industry standards
- 2 **Contribute to the implementation and monitoring of risk management strategies**
 - 2.1 Risk management processes and workplace procedures are produced for incorporation into work and project plans to ensure outcomes are achieved
 - 2.2 Activities are monitored to identify variations and responses are submitted to relevant person/s for approval in accordance with risk management processes and workplace procedures
 - 2.3 Agreed risk responses are revised for implementation contribution and plans modified to reflect changing project objectives in accordance with risk management processes and workplace procedures
- 3 **Contribute to the evaluation of risk**
 - 3.1 Project outcomes are reviewed for contribution with relevant person/s to determine effectiveness of risk

management strategies

management processes in accordance with workplace procedures

- 3.2** Risk issues and recommended improvements are identified, documented and submitted to relevant person/s for approval to be incorporated into ongoing and/or future program, project or plans
- 3.3** Outcomes are documented 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.

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE078B Contribute to risk management in electrotechnology systems.

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 UEECD0012 Contribute to risk management in electrotechnology systems

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria 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
- contributing to identifying potential, perceived and actual risk events
- contributing to incorporating risk management strategies and condition monitoring of plant and equipment with criteria for repair and/or replacement
- contributing to incorporating risk management processes and workplace procedures into program, project and/or plans
- developing risk management processes and workplace procedures for agreement by stakeholders
- identifying improvements and documenting recommendations
- identifying the scope of program or project
- monitoring to identify and responding to variations
- reviewing project outcomes
- using risk management methods, tools and techniques in analysis and reporting.

Knowledge Evidence

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

- relevant plant and equipment
- relevant risk management, applications, practices and techniques, including:
 - principles of risk assessment - planning and prioritisation
 - principles of risk management procedures
 - principles of risk mitigation – handling and monitoring
 - relevant potential, perceived and actual risk events
 - relevant risk management methods, tools and techniques
 - risk management principles

- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation, including
 - program, project and/or plans
- relevant 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 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, tools facilities and equipment currently used in industry
- resources that reflect current industry practices in relation to contributing to risk management in electrotechnology systems
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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