



Australian Government

UEECD0026 Manage risk in electrotechnology activities

Release: 1

UEECD0026 Manage risk in electrotechnology activities

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 manage risk in electrotechnology activities.

It includes managing risk, environment, resources and financial viability. It also includes identifying risk events, consequences of risk 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 Identify risks and develop 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) requirements 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 specifications and/or relevant documentation and |

- in consultation with relevant person/s
- 1.3** Potential, perceived and actual risk events are identified, documented and analysed in consultation with risk professionals and/or relevant person/s in accordance with workplace procedures
 - 1.4** Risk management methods, tools and techniques are used in the analysis, reporting and documenting of identified risk events
 - 1.5** Risk management techniques are used to analyse risk events, assess options and recommend risk approaches to relevant person/s for approval
 - 1.6** Risk management processes and workplace procedures are developed for agreement by stakeholders and communicated for ongoing management of risk factors
 - 1.7** WHS/OHS risk control measure are incorporated in risk management strategies in accordance with workplace procedures and relevant industry standards
 - 1.8** Condition monitoring of plant, equipment, criteria for repair and/or replacement are incorporated in risk management strategies
- 2 Implement and monitor risk management strategies**
- 2.1** Risk management processes and workplace procedures are incorporated into work and project plans to ensure outcomes are achieved
 - 2.2** Programs and project plan/s activities are monitored to identify and respond to variations in accordance with risk management processes and workplace procedures
 - 2.3** Agreed risk responses are implemented and plans modified to reflect changing project objectives in accordance with risk management processes and workplace procedures
- 3 Evaluate risk management strategies**
- 3.1** Project outcomes are reviewed with relevant person/s to determine effectiveness of risk 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 or project plans

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 UEENEEE011C Manage risk in electrotechnology activities.

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 UEECD0026 Manage risk in electrotechnology activities

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
- developing risk management processes and workplace procedures for agreement by stakeholders
- identifying improvements and documenting recommendations
- identifying potential, perceived and actual risk events
- identifying program or project scope
- implementing risk management strategies
- incorporating risk management strategies and condition into monitoring of plant and equipment with criteria for repair and/or replacement
- 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 risk management, application and techniques, including:
 - application of risk management tools and techniques
 - implementing risk management
 - need for risk management within the broad project management framework
 - risk management in the context of the project life cycle and other project management functions
 - risk management methodologies, their capabilities, limitations, applicability and outcomes
- uncertainty and the means of measurement

- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- 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 managing risk in electrotechnology activities
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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