



Australian Government

TLIX4034 Apply technical risk management systems and techniques

Release: 1

TLIX4034 Apply technical risk management systems and techniques

Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to assist with aspects of risk management in relation to the technical integrity of an organisation's materiel. It specifically involves assisting in assessing, controlling and reviewing risks associated with the organisation's materiel.

This unit was developed for technical regulatory framework specialists working within materiel logistics but is applicable to individuals in broader logistics roles.

Typically these individuals work independently or as part of a team under direct and/or indirect supervision, use discretion and judgement, and take responsibility for the quality of their outputs. All activities are carried out in accordance with relevant organisational policy and procedures.

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

Pre-requisite Unit

Not applicable.

Competency Field

X – Logistics

Unit Sector

Not applicable.

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1 Assist with risk

1.1 Contribution is made to identify, analyse, evaluate and

assessment	prioritise risks to technical integrity of the organisation's materiel
	1.2 Within delegated technical/engineering authority, input is provided to develop risk management strategies and risk management plans within established guidelines
	1.3 Established risk analysis methods, techniques and tools are used to assist in assessing risks in accordance with organisational plans
	1.4 Reporting mechanisms for risks to technical integrity are incorporated, in accordance with organisational plans
2 Conduct risk control activities	2.1 Risk control activities are undertaken in accordance with organisational plans
	2.2 Risks to technical integrity are acted on within technical/engineering authority or reported to others for response
	2.3 Contribution is made to implementing agreed risk approaches and amending plans to reflect changing context
	2.4 Opportunities are identified and reported for action in the same way as risks
3 Contribute to assessing risk management outcomes	3.1 Contribution is made to the ongoing review of the technical integrity of organisational materiel to determine the effectiveness of risk management activities by accessing data and available information
	3.2 Risk management issues and responses are reported to others for lessons learned or application in future technical/engineering activities

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 can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIX4034A Apply technical risk management systems and techniques.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>

Assessment Requirements for TLIX4034 Apply technical risk management systems and techniques

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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 and on at least one occasion and include:

- adhering to and applying relevant data collection, storage and retrieval requirements
- applying knowledge of technical risk management systems to work being performed and to guide problem solving
- applying safety, legislative and statutory requirements, including environmental, sustainability issues relevant to technical risk management
- applying technical risk management knowledge relevant to work being performed
- completing work area housekeeping requirements including documenting risk management activity and process outcomes
- contributing to reports of results
- controlling risk
- developing risk management strategies
- identifying risk
- implementing, monitoring, and successfully completing risk management activities
- interpreting organisational role relevant to technical risk management
- modifying activities to cater for variations in workplace context and environment
- monitoring risks (with emphasis on variation management)
- operating equipment and systems relevant to technical risk management activities
- reviewing risk management within the project
- using appropriate information technology and software
- working and communicating effectively and positively with others involved in the work.

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:

- organisational engineering management plan and risk management plan
- own role in relation to wider organisational or project context
- risk management as applied in a technical/engineering context, including principles, tools, techniques, standards and processes
- technical regulatory framework.

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.

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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 include:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- computer and relevant software
- legislation, guidelines, procedures and protocols relating to technical risk management systems and techniques
- engineering management plans, organisational plans, risk management plans.

Links

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