



**Australian Government**

# **TLIU4011 Apply environmental procedures to rail operations**

**Release: 2**

# TLIU4011 Apply environmental procedures to rail operations

## Modification History

**Release 2.** This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor statement changes in Performance Evidence
- Minor statement changes in Knowledge Evidence
- Minor statement changes in Assessment Conditions.

**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 care for the environment during rail operations in accordance with rail network standards, system of safeworking, regulatory requirements and organisational procedures.

It includes minimising the effects of pollution during work, reporting environmental breaches and completing documentation in accordance with environmental protection regulations and guidelines.

Work must be carried out in accordance with relevant state/territory environmental protection regulations and organisational procedures.

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

## Pre-requisite Unit

Not applicable.

## Competency Field

U – Environment.

## Unit Sector

Rail sector.

## Elements and Performance Criteria

Elements describe the                      Performance criteria describe the performance needed to

essential outcomes.

demonstrate achievement of the element.

**1 Minimise effects of pollution during work**

- 1.1** Precautions are taken to ensure spilt fuel, lubricants, chemicals and noxious plants do not pollute the environment
- 1.2** Equipment and vehicles are operated efficiently to minimise air pollution through excessive exhaust emissions
- 1.3** Unnecessary running of engines/equipment is avoided to minimise air pollution
- 1.4** Workplaces are kept clean and tidy during work operations and waste is disposed of in accordance with environmental regulations and workplace procedures
- 1.5** Noise pollution from work is minimised

**2 Respond to environmental incidents**

- 2.1** Hazards are identified and extent of potential impact is determined
- 2.2** Appropriate personal protective equipment (PPE) is identified, selected and worn/used, as required
- 2.3** Hazards are managed or isolated as required or as instructed
- 2.4** Actions are taken to minimise environmental impact
- 2.5** Incident is reported to relevant personnel 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.

## Unit Mapping Information

This unit replaces and is equivalent to TLIU4011A Apply environmental procedures to rail operations.

## 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 TLIU4011 Apply environmental procedures to rail operations

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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 one occasion and include:

- adapting to differences in equipment and operating environment in accordance with operating procedures
- completing relevant documentation
- identifying and using equipment and vehicles in accordance with environmental protection regulations and guidelines, and workplace procedures
- identifying job and environmental hazards and taking required actions to minimise, control or eliminate identified hazards
- modifying activities depending on operational contingencies, risk situations and environments
- reading and interpreting relevant instructions, procedures and information
- recognising potential pollution risks and ways of minimising them
- reporting and/or rectifying identified problems promptly in accordance with regulatory requirements and workplace procedures
- selecting and using required personal protective equipment (PPE) conforming to industry, work health and safety (WHS)/occupational health and safety (OHS) and environmental codes of practice.

## 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:

- applicable state/territory legislated rail safety requirements, relevant codes of practice and/or guidelines
- environmental hazards and toxicity of materials typically carried in loads
- environmental protection standards required for rail operation activities
- environmental risks when undertaking rail operations and related precautions to control these risks
- geographical location of waterways and environmentally sensitive areas
- relevant environmental information/documents
- relevant rail safety, WHS/OHS and environmental protection regulations
- relevant workplace housekeeping procedures, rail network standards and instructions
- service and maintenance procedures
- site layouts including location of waste disposal bins and spill kits
- typical problems or incidents that can occur when caring for the environment while undertaking rail operations and appropriate actions that can be taken
- use of correct containment tools.

## 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 rail 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, equipment and PPE currently used in industry
- applicable documentation including workplace procedures, regulations, rail industry standards, codes of practice and operation manuals.

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