



Australian Government

TLIB2125 Apply awareness of tram or light rail track fundamentals

Release: 2

TLIB2125 Apply awareness of tram or light rail track fundamentals

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 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 apply an awareness of tram or light rail fundamentals.

It includes identifying tram or light rail track terminology, track and system components, and the tools and equipment used on or around tram or light rail track.

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements and to comply with relevant codes of practice and/or guidelines.

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

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

Unit Sector

Rail sector.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Identify tram or light rail track and structures terminology and components	1.1	Terminology related to tram or light rail track and structures infrastructure is identified
	1.2	Main components of tram or light rail track and structures are identified
2 Identify tram or light rail track components	2.1	Track components and their purpose are identified and explained
	2.2	Tram crossing types and components are identified and their purpose is explained
	2.3	Manual, electrical and spring-operated points are identified and their use is explained
3 Identify tram or light rail electrical system features	3.1	Overhead trolley system components, voltages and exclusion zones are identified and explained
	3.2	Below ground electrical system is identified and explained
	3.3	Reporting procedures and protocols for identified electrical system faults and defects are explained
4 Identify tram or light rail tools and equipment	4.1	Tools and equipment for tram or light rail track installation and maintenance are identified
	4.2	Track machines for tram or light rail track installation and maintenance are identified
5 Identify tram or light rail track and system faults or problems	5.1	Possible faults for tram or light rail track and system are identified
	5.2	Reporting procedures and protocols for identified track and system faults are explained

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 TLIB2125A Apply awareness of tram or light rail track fundamentals.

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 TLIB2125 Apply awareness of tram or light rail track fundamentals

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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:

- identifying job hazards and required action to minimise, control or eliminate identified hazards
- identifying tools and equipment required for a range of tram or light rail track maintenance tasks
- identifying track machines required for a range of tram or light rail track installation and maintenance tasks
- interpreting and following operational instructions
- modifying activities depending on operational contingencies, risk situations and environments.

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 work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations related to tram or light rail
- fundamentals of tram or light rail track and structures
- fundamentals of tram or light rail track layout and geometry
- rail electrical system related to tram or light rail infrastructure
- relevant safeworking system and workplace procedures
- tools and equipment used in tram or light rail track construction and repair
- tram or light rail track and overhead trolley components
- tram or light rail track terminology.

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 or, where this is not available, 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 personal protective equipment (PPE) currently used in industry
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

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