



Australian Government

TLIB3118 Apply awareness of railway fundamentals

Release: 2

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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 develop an awareness of railway fundamentals. This includes the track, trackside equipment, fixed structures, rail vehicles and rolling stock.

This unit is intended for people entering the rail industry who will be required to enter and work in the rail corridor.

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

Elements describe the essential outcomes.

- 1 Identify track and structures terminology and**

PERFORMANCE CRITERIA

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

- 1.1 Basic terminology is explained for track, trackside equipment and fixed structures**

features	1.2	Features of track, including geography, geometry and classes are explained
	1.3	Bridges and other infrastructure categories and their purpose are identified
	1.4	Other principal structure types and their purpose are identified
	1.5	Relevant stakeholders to whom structural faults and anomalies are reported, are identified
2 Identify overhead and/or electrical components	2.1	Principal overhead and/or other electrical components and their purpose are identified
	2.2	Power sources are identified
	2.3	Methods of isolation and their purpose are identified in accordance with organisational procedures
3 Identify rail track vehicles and rolling stock	3.1	Types of trains and rolling stock are identified
	3.2	Types of machines used for track installation and maintenance are identified
	3.3	Types of rail track vehicles are identified
	3.4	Relevant stakeholders to whom rolling stock faults and anomalies are reported, are identified

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 TLIB3118A Apply awareness of railway fundamentals.

Links

Companion Volume implementation guides are found in VETNet -

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