



Australian Government

TLIB2086 Apply awareness of structures fundamentals

Release: 2

TLIB2086 Apply awareness of structures 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 awareness of structures fundamentals in accordance with approved rail industry standards, safeworking and regulatory requirements, and workplace procedures.

It includes identifying types of structures, structures terminology and conventions, and defect categories; and locating and identifying defects in structures.

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.

Work is performed under minimal supervision, generally within a team environment. It involves the application of routine operational principles and procedures when applying awareness of structures fundamentals, as part of workplace activities across a variety of operational contexts within the Australian rail system.

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.

PERFORMANCE CRITERIA

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

1 Identify types of bridges and structures	1.1	Principal bridge types and their purpose are identified
	1.2	Other principal structure types and their purpose are identified
2 Identify structures terminology and conventions	2.1	Basic terminology for structures infrastructure is defined
	2.2	Principal components of structures and their purpose are identified
	2.3	Conventions for numbering structures and their components are explained
3 Identify defect categories	3.1	Types of defect are identified
	3.2	Conventions for categorising defects are explained
4 Locate structures defects	4.1	Hazards are identified, risks are assessed and control measures are implemented
	4.2	Tools and equipment for visual inspection of structures are identified and selected
	4.3	Previously identified defects in structures are located and identified
	4.4	Defects in structures are located and 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 TLIB2086A Apply awareness of structures fundamentals.

Links

Companion Volume Implementation Guides are found in VETNet -

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