



Australian Government

TLIB3088 Examine steel structures

Release: 2

TLIB3088 Examine steel structures

Modification History

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

- Performance Evidence frequency changed
- 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 examine steel structures in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes obtaining all relevant previous reports, performing a detailed examination, initiating appropriate necessary actions and completing all required documentation.

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 conducting a detailed steel structures examination, 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	Obtain previous reports	1.1	Operational history of structure from available sources is reviewed
		1.2	Previous defects identified in reports are noted to enable rechecking of problem areas
		1.3	Relevant personnel are contacted to identify reported complaints or indications of wear or damage
2	Perform detailed examination	2.1	Hazards are identified, risks are assessed and risk control measures are implemented
		2.2	Steel structures and components are visually inspected and checked for signs of buckling, cracking, corrosion, deterioration and damage in accordance with workplace procedures
		2.3	Connections between steel components are visually inspected and checked for signs of wear, looseness, cracking, corrosion, deterioration and damage in accordance with workplace procedures
		2.4	Protective coatings on steel structures and components are visually inspected and checked for condition
		2.5	Relevant inspection aids are used to perform detailed inspection to identify defects in accordance with workplace procedures
3	Take appropriate actions	2.6	Defects or deficiencies are identified in accordance with workplace procedures
		3.1	Major defects affecting safe passage are acted on as soon as possible in accordance with workplace procedures
		3.2	Defects and deficiencies are reported to enable repairs to be conducted in a timely manner

4	Complete documentation	4.1	Examination schedule or work report data is completed in accordance with workplace procedures
		4.2	Documentation on work undertaken is completed and processed in accordance with workplace requirements

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 TLIB3088A Examine steel structures.

Links

Companion Volume Implementation Guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>