



**Australian Government**

# **TLIB3098 Examine concrete/masonry structures**

**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:

- 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 concrete/masonry 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 concrete/masonry 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

### PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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 Concrete and masonry structures and components are visually inspected and checked for signs of movement, deterioration and damage in accordance with workplace procedures
- 2.3 Relevant inspection aids are used to perform detailed inspection to identify defects in accordance with workplace procedures
- 2.4 Defects or deficiencies are identified in accordance with workplace procedures

#### **3 Take appropriate actions**

- 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 TLIB3098A Examine concrete/masonry structures.

## Links

Companion Volume Implementation Guides are found in VETNet -

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