



Australian Government

TLIB2083 Maintain bridge bearings

Release: 2

TLIB2083 Maintain bridge bearings

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 maintain bridge bearings in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes determining job requirements, maintaining bridge bearings, cleaning up the site after maintenance activities, and completing 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 maintaining bridge bearings, 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.

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|--------------------------------------|---|
| 1 Determine job requirements | 1.1 Bridges are inspected as required to locate bearings requiring maintenance |
| | 1.2 Hazards are identified, risks are assessed and control measures are implemented |
| | 1.3 Job requirements are determined in accordance with workplace procedures, and scope of work and resources required are identified |
| 2 Perform bearing maintenance | 2.1 Components requiring maintenance are cleaned and prepared in accordance with workplace procedures |
| | 2.2 Bearing components are maintained to standard in accordance with workplace procedures |
| 3 Clean up site | 3.1 Workplace procedures and environmental regulations and standards relevant to site clean-up are confirmed and clarified as required |
| | 3.2 Waste is minimised and reused or disposed of in accordance with relevant workplace procedures and environmental regulations and standards |
| | 3.3 Cleaning products and materials are disposed of in accordance with relevant workplace procedures and environmental regulations and standards |
| | 3.4 Established site restoration practices are followed and problems with these practices are identified and reported |
| 4 Complete documentation | 4.1 Required documentation procedures and processes are confirmed |
| | 4.2 Documentation is filled in legibly and proofread |
| | 4.3 Documentation is processed in accordance with workplace procedures |

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 TLIB2083A Maintain bridge bearings.

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 TLIB2083 Maintain bridge bearings

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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 three separate occasions and include:

- applying relevant workplace procedures
- cleaning and servicing bridge bearing components in accordance with workplace procedures
- following operational instructions and work sequences
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- identifying minor defects in accordance with workplace procedures
- implementing contingency plans
- inspecting bearings and determining work requirements in accordance with workplace procedures
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- reading and interpreting relevant plans and specifications
- reporting and/or rectifying identified problems, faults or malfunctions, in accordance with regulatory requirements and workplace procedures.

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:

- functions of different types of bridge bearings
- hazards that may exist when maintaining bridge bearings and ways of controlling the risks involved
- problems that may occur when maintaining bridge bearings, and action that can be taken to report or resolve these problems

- relevant rail danger zones
- relevant rail safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- relevant recording and documentation procedures
- routine maintenance methods and techniques
- workplace procedures for maintaining bridge bearings.

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.

Practical assessment must occur in an appropriate range of situations in the workplace.

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 simulated practical and knowledge assessments
- 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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