



Australian Government

TLIB3099 Examine track infrastructure

Release: 2

TLIB3099 Examine track infrastructure

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 examine track and right of way infrastructure in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes preparing for examination, examining track and right of way, analysing examination results, and reporting findings.

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 examining track infrastructure, 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 Prepare for examination	1.1	Examination task is reviewed to establish requirements
	1.2	Hazards are identified, risks are assessed and control measures are implemented
	1.3	Equipment appropriate to task is selected and checked for correct operation in accordance with manufacturer instructions and workplace procedures
2 Examine track	2.1	Examination task is undertaken in accordance with workplace procedures
	2.2	Condition of track or right of way infrastructure being examined is recorded in accordance with workplace procedures
	2.3	Measurements of track or right of way infrastructure being examined are taken and recorded in accordance with workplace procedures
3 Analyse examination results	3.1	Available data is analysed to identify trends, defects or variations from allowable tolerances
	3.2	Appropriate action is taken to appropriately safeguard operation of the rail system
4 Report findings	4.1	Examination schedule or work report data is completed in accordance with workplace procedures
	4.2	Defects and deficiencies are reported to enable repairs to be undertaken in a timely manner
	4.3	Results of analysis are prioritised and reported to relevant personnel in accordance with workplace procedures
	4.4	Documentation is completed, as required, 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 TLIB3099A Examine track infrastructure.

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 TLIB3099 Examine track infrastructure

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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
- applying track and right of way infrastructure condition standards
- completing relevant documentation
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- implementing contingency plans
- interpreting and following operational instructions and prioritising work
- measuring, calculating and recording data accurately
- monitoring work activities in terms of planned schedule
- reading and interpreting relevant instructions, procedures, information, plans, drawings and specifications
- reading and interpreting track recording data
- reporting and/or rectifying identified problems, in accordance with regulatory requirements and workplace procedures
- using and maintaining measurement equipment and tools
- working systematically with required attention to detail without injury to self or others
- writing clear and succinct reports.

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:

- data analysis techniques for analysing track and right of way infrastructure parameters
- hazards that may exist when examining track and right of way infrastructure, and ways of controlling the risks involved

- problems that may occur when examining track, track geometry and right of way and action that can be taken to report or resolve these problems
- relevant records procedures
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- track and right of way defects and their causes
- track and right of way infrastructure rail industry standards
- track deterioration rates under differing operating conditions
- track measurement equipment and techniques
- workplace procedures for examining, recording and reporting track and right of way infrastructure.

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 rail environment.

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 simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation and terminology as defined by the relevant rail infrastructure manager safeworking system including workplace procedures, rail industry standards, regulations, rules and codes of practice.

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