



Australian Government

TLIB3100 Visually inspect track infrastructure

Release: 2

TLIB3100 Visually inspect 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 words changed in PC 1.4
- Minor words changed in Performance Evidence
- Minor word changes in Knowledge Evidence
- 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 visually inspect track infrastructure in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes patrolling the track and right of way infrastructure, and recording and documenting identified defects in accordance with workplace requirements.

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 visually inspecting railway 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.

1 Patrol track infrastructure

2 Record and document defects

PERFORMANCE CRITERIA

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

- 1.1** Appropriate inspection method is used to conduct visual examinations of track and right of way, to identify defects
- 1.2** Hazards are identified, risks are assessed and control measures are implemented
- 1.3** Visual examinations are performed in accordance with workplace procedures and inspection schedules
- 1.4** Variations from allowable tolerances, defects and deficiencies likely to affect rail traffic safety are identified to enable appropriate actions to be taken
- 1.5** Unsatisfactory conditions are assessed in terms of seriousness and priority
- 2.1** Defects and deficiencies are reported to enable repairs to be undertaken in a timely manner
- 2.2** Inspection schedule or work report data is completed 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.

Non-essential conditions can be found in the TLI Transport and Logistics Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIB3100A Visually inspect 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 TLIB3100 Visually inspect 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
- completing relevant documentation
- identifying and mitigating problems, faults or malfunctions in accordance with regulatory requirements, track protection and workplace procedures
- identifying different types of track and right of way infrastructure defects
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- identifying, selecting and using tools and equipment
- implementing contingency plans
- interpreting and following operational instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- operating and adapting to differences in equipment in accordance with operating procedures
- reading and interpreting relevant instructions, procedures, information and signs
- recording and documenting identified defects in relation to workplace standards
- recording and reporting results of visually inspecting track and right of way in accordance with workplace procedures
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

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:

- contents of relevant specifications and manuals
- defect deterioration under different operating conditions
- different types of track and right of way defects
- emergency procedures
- fault identification and analysis techniques
- hazards that may exist when visually inspecting track and right of way, and ways of controlling the risks involved
- problems that may occur when visually inspecting track geometry and right of way infrastructure, and action that can be taken to report or resolve these problems
- relevant rail danger zones
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- techniques for prioritising defect rectification
- track and right of way infrastructure rail industry standards
- workplace procedures for visually inspecting 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, regulations, rail industry standards, rules and codes of practice.

Links

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