



Australian Government

TLIB3021 Conduct train roll-by inspection

Release: 2

TLIB3021 Conduct train roll-by inspection

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 conduct a train roll-by inspection in accordance with workplace procedures and the requirements of relevant system of safeworking, rules, regulations and codes of practice.

It includes preparing to carry out a roll-by inspection of a moving train, inspecting a moving train in accordance with workplace procedures, and reporting and/or actioning inspection results.

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 without supervision, generally within a team environment. It involves the application of operational principles, regulations, system of safeworking, codes, protocols and procedures when conducting a roll-by inspection of a moving train, as part of workplace activities across a variety of operational contexts within the Australian rail industry.

Inspecting condition of rolling stock and load may involve:

- air and electrical connections
- bearings
- brake equipment
- dangerous goods condition and separation
- draw gear
- load condition (damage and leaks)
- load securing devices (chains, ropes and pins)
- locking and securing devices
- out-of-gauge conditions
- superstructures
- trailing items (ropes and hoses)
- wheels.

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 Prepare for train roll-by inspection	1.1 Documentation and other relevant reports are read and clarified, as required, to confirm inspection requirements 1.2 Individual responsibilities required to complete roll-by inspection are agreed with relevant personnel, as required 1.3 Hazards are identified, risks are assessed and risk control measures are implemented 1.4 Position is taken for roll-by inspection at planned time to ensure complete observation without personal risk 1.5 Conditions are assessed and necessary actions are taken to ensure roll-by inspection is effective
2 Conduct a roll-by inspection of a moving train	2.1 Train identification and status is confirmed 2.2 Train hazards are identified, risks are assessed and risk control measures are implemented 2.3 Condition of rolling stock and load are systematically observed as train passes and specific faults are identified and noted 2.4 Communication is maintained with relevant personnel to ensure safe, efficient and complete roll-by inspection 2.5 Inspection is conducted in accordance with work health and safety (WHS)/occupational health and safety (OHS) workplace

policies and procedures to prevent injury and damage

- 2.6** Faults requiring urgent action are noted and appropriate action is taken to initiate immediate response to minimise risk from continued movement of train

3 Report and action roll-by inspection results

- 3.1** Reports of inspections are completed to reflect inspection results
- 3.2** Appropriate personnel are informed of faults or defects requiring rectification
- 3.3** Records are circulated and filed in accordance with workplace policies and procedures

4 Report on-train roll-by inspection results

- 4.1** Outcomes of on-train roll-by inspections are transmitted to appropriate personnel
- 4.2** Records of on-train roll-by inspections are made in accordance with workplace policies and 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 TLIB3021A Conduct train roll-by inspection.

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 TLIB3021 Conduct train roll-by inspection

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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 one occasion and include:

- communicating effectively with others
- completing relevant documentation
- documenting results of roll-by inspection including faults or defects requiring rectification, in accordance with workplace operational procedures
- identifying and actioning urgent faults to minimise risk from continued movement of train
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- identifying safe position from which to conduct roll-by inspection
- implementing contingency plans
- interpreting and following operational instructions and prioritising work
- interpreting documentation and reports to confirm roll-by inspection requirements
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- observing condition of rolling stock and load of moving train systematically
- positioning self at appropriate location and time to conduct roll-by inspection
- reading and interpreting relevant instructions, procedures, information and signs
- reporting and/or rectifying identified problems, faults or malfunctions promptly 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:

- applicable state/territory legislated rail safety requirements, relevant codes of practice and/or guidelines
- communications protocols
- contingency management processes for conducting a roll-by inspection of a moving train
- documentation requirements for a roll-by inspection
- procedures for planning and carrying out a roll-by inspection of a moving train
- procedures for completing documentation relevant to a roll-by inspection of a moving train
- relevant rail network standards, rules, codes of practice, guidelines and specifications for items requiring examination.

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.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate rail corridor workplace conditions.

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 including workplace procedures, dangerous goods systems, rail network standards, regulations, codes of practice and operation manuals.

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