



Australian Government

TLIB4078A Carry out a train roll-by inspection

Release 1

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Modification History

Release 1. This is the first release of this unit.

Unit Descriptor

This unit involves the skills and knowledge required to carry out a train roll-by inspection in accordance with organisational policies and procedures, and relevant safeworking requirements.

Licensing or certification requirements are not applicable to this unit.

Application of the Unit

This activity includes conducting a roll-by inspection of crossing/passing trains from the ground or on-train and reporting and/or actioning the inspection results.

Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Nil

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

- | | |
|---|---|
| 1 Prepare for roll-by inspection | <ul style="list-style-type: none">1.1 Appropriate documentation is read to confirm inspection requirements1.2 Position is taken at the planned time to complete roll-by inspection without personal risk1.3 Conditions are assessed and necessary actions are taken to ensure roll-by inspection will be effective |
| 2 Conduct a roll-by inspection | <ul style="list-style-type: none">2.1 Identification and status of train is confirmed with relevant personnel2.2 Condition of rolling stock is observed and identified faults are noted2.3 Communication is maintained with relevant personnel to ensure safe, efficient and complete roll-by inspection2.4 Inspection is conducted in accordance with work health and safety (WHS)/occupational health and safety (OHS), network owner and/or organisational policies and procedures to prevent injury and damage2.5 Faults requiring immediate action are noted and appropriate action is taken to stop train |
| 3 Report and action roll-by inspection results | <ul style="list-style-type: none">3.1 Appropriate personnel are informed of results of roll-by and any faults or defects requiring rectification3.2 Inspection results are recorded, reported and/or filed as required, in accordance with organisational policies and procedures |

Required Skills and Knowledge

This section describes the knowledge and skills required for this unit.

Required knowledge:

- Communication protocols
- Contingency management processes for unexpected situations that may arise when carrying out a roll-by inspection of a moving train
- Relevant Australian Standards
- Relevant information/documents such as:
 - dangerous goods documentation
 - mechanical condition advice forms
 - organisational procedures and instructions, and job specifications
 - out-of-gauge documents
 - wagon cards
- Relevant legislated rail safety requirements including state and territory acts and regulations, and nationally approved compliance codes and/or guidelines
- Relevant safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental protection regulations
- Relevant sections of the Australian Dangerous Goods (ADG) Code and regulations
- Relevant standard operating procedures
- Types of roll-by inspection of a moving train

Required skills:

- Apply precautions and required action to minimise, control or eliminate hazards that may exist during work activities
- Communicate effectively with others when carrying out a roll-by inspection of a moving train
- Identify safe position for person conducting roll-by inspection
- Implement contingency plans for unexpected situations that may occur when carrying out a roll-by inspection of a moving train
- Interpret and follow operational instructions and prioritise work
- Modify activities depending on operational contingencies, risk situations and environments
- Read and interpret instructions, procedures, information and signs relevant to work activities
- Select and use required personal protective equipment conforming to industry and WHS/OHS standards
- Work collaboratively with others when carrying out a roll-by inspection of a moving train

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills, the range statement and the assessment guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the Elements, Performance Criteria, Required Skills, Required Knowledge and include:

- required knowledge and skills
- relevant legislation and organisational procedures
- other relevant aspects of the range statement.

Context of and specific resources for assessment

Performance is demonstrated consistently over time and in a suitable range of contexts.

Resources for assessment include access to:

- a range of relevant exercises, case studies and/or other simulated practical and knowledge assessment, and/or
- an appropriate range of relevant operational situations in the workplace.

In both real and simulated environments, access is required to:

- relevant and appropriate materials and equipment
- applicable documentation including organisational procedures, regulations, codes of practice and operation manuals.

Method of assessment

As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests.

Practical assessment must occur:

- through activities in an appropriately simulated environment, and/or
- in an appropriate range of situations in the workplace.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

Locations for roll-by inspections may include:

- crossing loops
- main line
- sidings
- stations
- terminals
- yards

Conditions may include:

- adverse weather conditions
- dust
- limited access
- terrain
- time of day
- train movements
- vehicle movements

Appropriate personnel may include:

- ground support
- network control
- operational staff
- track workers
- train crew

Condition of rolling stock and load may include:

- air and electrical connections
- bearings
- brake equipment
- dangerous goods condition
- draw gear
- end of train markers/monitors
- lights (carriage, marker, tail, etc.)
- load condition (shifted, damaged, leaks, etc.)
- locking and securing devices
- loose or trailing items (chains, ropes, pins etc.)
- out-of-gauge conditions
- wheels and bogies

Safety and protective equipment may include:

- gloves
- hand lamps
- hearing protection
- high visibility clothing
- insect repellent
- portable radios
- safety:

Organisational procedures may include:

- footwear
- glasses
- headwear
- sunscreen
- company procedures
- enterprise procedures
- established procedures
- workplace procedures

Unit Sector(s)

Not applicable.

Competency Field

B – Equipment Checking and Maintenance