



Australian Government

TLIB2122 Apply awareness of fundamentals of rail operations in yards or sidings

Release: 1

TLIB2122 Apply awareness of fundamentals of rail operations in yards or sidings

Modification History

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 apply an awareness of the fundamentals of rail operations in yards or sidings.

It includes fixed structures, rail vehicles and rolling stock, signals, safety devices, primary activities and safety systems.

This unit is intended as an introduction to rail yards or sidings for people entering the rail industry who will be working on or around rail yards or sidings.

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

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify yard or siding structures, layout and

PERFORMANCE CRITERIA

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

1.1 Terminology for track, trackside equipment and fixed structures is identified

terminology	1.2 Features of track, including geography and geometry are identified 1.3 Infrastructure categories and their purpose are identified 1.4 Other principal structure types and their purpose are identified 1.5 Relevant stakeholders for reporting structural faults or anomalies to, are identified
2 Identify above and below ground services	2.1 Principal overhead and/or electrical components and their purpose are identified and explained 2.2 Power supply voltages are identified 2.3 Methods of isolation are identified and their purpose is explained
3 Identify rail track vehicles and rolling stock	3.1 Types of trains and rolling stock are identified 3.2 Types of rail track vehicles are identified 3.3 Relevant stakeholders for reporting rolling stock faults or anomalies to, are identified
4 Identify signals and safety devices	4.1 Types, location and purpose of signals are identified 4.2 Types, location and purpose of safety devices are identified 4.3 Relevant stakeholders for reporting signal or safety device faults or anomalies to, are identified
5 Identify primary rail activities and safety systems	5.1 Primary rail activities and other operators are identified as required 5.2 Types and purpose of safety systems are identified 5.3 Relevant stakeholders for reporting safety events to, are identified

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIB2122A Apply awareness of fundamentals of rail operations in yards or sidings.

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 TLIB2122 Apply awareness of fundamentals of rail operations in yards or sidings

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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:

- identifying activities carried out in a rail yard or siding
- identifying job hazards and possible safety events and taking required action to minimise, control or eliminate identified hazards
- identifying layout, main features and equipment in a rail yard or siding
- interpreting and following operational instructions.

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:

- above and below ground services
- features of track, layout and geometry
- overhead and/or electrical infrastructure
- primary rail activities and safety management systems
- rail, rail track vehicles and rolling stock
- relevant communications systems and procedures
- relevant rail danger zones
- relevant sections of applicable state/territory legislated rail safety requirements, codes of practice and/or guidelines
- track components and layout
- track, trackside equipment and yard structure terminology.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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Assessment must occur in workplace operational situations or, where this is not available, in simulated workplace operational situations that replicate rail 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 may include:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
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