



**Australian Government**

# **TLIB0013 Apply knowledge of rail operation fundamentals in yards or sidings**

**Release: 1**

# TLIB0013 Apply knowledge of rail operation fundamentals 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 knowledge of rail operation fundamentals 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

Rail sector.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### **1 Identify yard or siding structures, layout and terminology**

### 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**

#### **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 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.

## Unit Mapping Information

This unit replaces and is equivalent to TLIB2122 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>