



TLI42615 Certificate IV in Train Driving [Freight]

Railtrain deliver and assess TLI42615 Certificate IV in Train Driving [Freight].

Qualification Description

This is a qualification for a person engaged in train driving activities. It involves a broad range of specialised knowledge and skills in varied context to undertake skilled work within a train driving environment. It may include skills and knowledge required for specialised tasks or functions in known or changing context with responsibility for own functions and outputs.

Job roles

Job roles and titles vary across different sectors. Possible job titles relevant to this qualification include:

- Freight Train Driver
- Locomotive Driver
- Train Driver

This document covers the Freight speciality group. For further selections within this qualification view the full qualification at <http://training.gov.au/Training/Details/TLI42615>

Entry Requirements

There are no training package entry requirements for this qualification.

Network Entry Requirements

A Category 1 Rail Medical Assessment is required for this qualification in most cases.

Packaging Rules

A total of **21 units of competency** comprising:

12 core units and all 5 units of competency in the specialist elective group of Freight. Plus 3 general elective units.

The general elective units must contribute to the vocational outcomes of the qualification.

Where imported units are selected, care must be taken to ensure that all prerequisite units specified are complied with. Up to 2 of the general elective units may be selected from any relevant national endorsed training package.



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Core units

TLIB3075	Inspect and prepare a motive power unit
TLIB3118	Apply awareness of railway fundamentals
TLIB4080	Identify, diagnose and rectify minor faults on motive power units and rolling stock
TLIC2078	Identify and respond to signals and trackside signs
TLIC4023	Operate train with due considerations of route conditions
TLIC4026	Operate and monitor a motive power unit
TLIE2007	Use communications systems
TLIF0004	Work effectively in a train-driving environment
TLIF1001	Follow work health and safety procedures
TLIF2010	Apply fatigue management strategies
TLIF3058	Apply safeworking rules and regulations to rail functions
TLIF4110	Respond to abnormal situations and emergencies when driving a train

Specialist elective units

All units from one specialist elective groups: Group A: Freight

Group A: Freight

TLIB3019	Test train braking system
TLIB3026	Prepare for train operation
TLIB4078	Carry out a train roll-by inspection
TLIC3027	Stable a motive power unit
TLIC4019	Drive a train to operational requirements

General elective units (only four required) below is a selection of choices: For further information on general electives and specialist units click here: <http://training.gov.au/Training/Details/TLI42615>

TLIB4079	Conduct a general train examination
TLID1001	Shift materials safely using manual handling methods
TLIF2080	Safely access the rail corridor
TLIC4019	Drive a train to operations requirements
TLIC4074	Shunt, couple and uncouple rail vehicles
TLIC4071	Establish and operate train braking system
TLIC4073	Set up, operate and shut down a distributed power system



CORE UNITS

TLIB3075 Inspect and prepare a motive power unit

This unit involves the skills and knowledge required to inspect, prepare and start a motive power unit in accordance with relevant workplace procedures, rail safety regulations and codes of practice.

It includes checking and preparing a motive power unit, visually examining a motive power unit, conducting in-cab checks, and starting and positioning a motive power unit for service in accordance with workplace requirements.

A motive power unit is a rail vehicle used to provide the power to move itself or other vehicles.

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. No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIB3118 Apply awareness of railway fundamentals

This unit involves the skills and knowledge required to develop an awareness of railway fundamentals. This includes the track, trackside equipment, fixed structures, rail vehicles and rolling stock.

This unit is intended for people entering the rail industry who will be required to enter and work in the rail corridor. No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIB4080 Identify, diagnose and rectify minor faults on motive power units and rolling stock

This unit involves the skills and knowledge required to identify, diagnose and rectify minor faults on motive power units and rolling stock in accordance with workplace requirements.

This includes identifying repair requirements, conducting minor repairs, checking and reporting minor repairs.

Work must be carried out in accordance with organisational procedures and regulations, and safeworking codes of practice relevant to fault diagnosis and rectification.

Work involves the application of routine minor fault diagnosis and rectification procedures when maintaining the safety and operation of motive power units and rolling stock across a variety of operational rail transport contexts.

No licensing, legislative or certification requirements apply to this unit at the time of publication.



CORE UNITS

TLIC2078 Identify and respond to signals and trackside signs

This unit involves the skills and knowledge required to identify, interpret and respond to fixed signals and trackside signs in accordance with network owner and/or organisational policies and procedures.

It includes identifying and responding to running signals, indicators, shunting signals and subsidiary signals; interpreting and responding to trackside signs; and reporting defective or irregular signals or trackside signs.

This unit is suitable for rail safety workers who are required to identify and respond to trackside signals and signs as part of their job role. They may be working within a rail operational or infrastructure environment.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIC4023 Operate train with due consideration of route conditions

This unit involves the skills and knowledge required to operate a train with due consideration of route conditions in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes identifying route requirements, applying route knowledge to planning a train journey, and using route knowledge during a train journey in accordance with workplace requirements and standards.

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 generally performed without supervision and within a team environment. It involves the application of routine operational principles and procedures when operating a train with due consideration of route conditions 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.



CORE UNITS

TLIC4026 Operate and monitor a motive power unit

This unit involves the skills and knowledge required to operate and monitor a motive power unit in accordance with relevant workplace procedures, rail regulations and codes of practice.

It includes operating motive power unit controls, monitoring performance and maintaining operational condition during a journey. It also includes working collaboratively with other train crew and relevant personnel.

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 routine operational principles and procedures when maintaining the safety and operation of a motive power unit across a variety of operational contexts in the Australian rail system.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIE2007 Use communication systems

This unit involves the skills and knowledge required to use communications systems in accordance with relevant regulations and workplace procedures.

It includes identifying system features, operating a communications system effectively, using appropriate communications system protocols, maintaining equipment and completing documentation.

It involves applying established communication principles and practices, and using local technical, colloquial language and vocabulary in day-to-day communication.

Work is performed under some supervision, generally within a team environment.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIF0004 Work effectively in a train-driving environment

This unit involves the skills and knowledge required to work effectively in a train-driving environment.

It includes monitoring own health and wellbeing, maintaining situational awareness, maintaining workplace safety, mitigating threats and errors, and maintaining currency of industry skills and knowledge.

This activity applies to individuals who are engaged in operating rolling stock in the work environment and who are responsible for their own work. This may be in a defined context under direct supervision and/or with some individual responsibility. No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIF1001 Follow work health and safety procedures

This unit involves the skills and knowledge required to follow and apply work health and safety (WHS)/occupational health and safety (OHS) procedures when carrying out work activities in compliance with the relevant WHS/OHS regulations and procedures.

It includes following workplace procedures for hazard identification and risk control, contributing to WHS/OHS management arrangements and completing WHS/OHS records.

Work is performed under some supervision generally within a team environment. It involves applying established WHS/OHS and hazard minimisation principles and procedures to conduct workplace activities. No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIF2010 Apply fatigue management strategies

This unit involves the skills and knowledge required to apply fatigue management strategies within the transport and logistics industry. Work is undertaken in compliance with relevant legislation, regulations, codes and guidelines.

It includes identifying and acting on signs of fatigue and implementing appropriate strategies to minimise fatigue during work activities, in particular when operating equipment, trains, vehicles, load shifting equipment, marine vessels and aircraft.

Work is performed under some supervision generally within a team environment. No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIF3058 Apply safeworking rules and regulations to rail functions

This unit involves the skills and knowledge required to apply applicable safeworking rules and regulations to rail functions carried out on rail networks.

It includes correctly using communications protocols; interpreting and responding to radio, hand signal and light commands; interpreting and following relevant safeworking rules and protocols; and taking appropriate action in safety incidents, unsafe situations or emergencies.

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 established safeworking system rules, protocols and procedures.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIF4110 Respond to abnormal situations and emergencies when driving a train

This unit involves the skills and knowledge required to respond to abnormal situations and emergencies when driving a train, in accordance with organisational procedures.

It includes identifying and responding to abnormal situations and emergencies when driving a train, arranging follow-on support and assistance, and communicating with personnel and passengers in accordance with organisational procedures and relevant safeworking 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 generally performed without supervision and within a team environment.

It involves the application of organisational procedures and regulatory requirements when responding to abnormal situations and emergencies when driving a train, as part of work activities in a range of contexts across the Australian rail system. No licensing, legislative or certification requirements apply to this unit at the time of publication.



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The following includes the specialised units of competency for Freight Train driver.

Group A specialist units for Freight

TLIB3019 Test train braking system

This unit involves the skills and knowledge required to test a train braking system in accordance with workplace procedures, safeworking regulations and codes of practice.

It includes planning and preparing for, and testing train brake operation; dealing with identified faults; and recording brake test results 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 without supervision, generally within a team environment. Testing train braking system can involve:

- air continuity test
- brake leakage test
- hose and pipe components repair or replacement
- modified brake test
- train brake test.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIB3026 Prepare for train operation

This unit involves the skills and knowledge required to prepare for train operation in accordance with workplace procedures and the requirements of relevant safeworking regulations and codes of practice.

It includes preparing for and implementing the prescribed pre-departure checks and confirming required train documentation.

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 routine operational principles and procedures when preparing for train operation, 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.



Group A specialist units for Freight Train Driver

TLIB4078 Carry out a train roll-by inspection

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.

It includes preparing and conducting a visual roll-by inspection of crossing/passing trains from the ground or on-train to identify equipment, load security or other defects or failure and reporting and/or actioning the inspection results.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIC3027 Stable a motive power unit

This unit involves the skills and knowledge required to stable a motive power unit in accordance with relevant workplace procedures, rail regulations and codes of practice.

It includes determining the required stabling location, shunting and securing the train, stabling and securing the motive power unit, carrying out all required post-operational checks and completing post-operational paperwork.

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 routine operational principles and procedures when stabling and securing a motive power unit, across a variety of operational contexts in the Australian rail system.

No licensing, legislative or certification requirements apply to this unit at the time of publication.



Group A specialist units for Freight Train Driver

TLIC4019 Drive a train to operational requirements

This unit involves the skills and knowledge required to drive a train to operational requirements in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes applying train management techniques to manage the movement of a train and, as the driver of a motive power unit, to conduct all movements and related activities required to achieve operational requirements. It also includes responding effectively to external factors and emergencies, handing over a train to a relief crew and stabling it at the end of a journey.

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 routine operational principles and procedures when driving trains as part of workplace activities across a variety of operational contexts within the Australian rail systems.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

General Elective Units

TLIB4079 Conduct a general train examination

This unit involves the skills and knowledge required to conduct a general train examination in accordance with organisational procedures and the requirements of relevant safeworking regulations and codes of practice.

It includes preparing for examination; undertaking a general train examination including rolling stock integrity, components and loading; and reporting examination results.

This unit applies to train drivers required to conduct a general train examination.

No licensing, legislative or certification requirements apply to this unit at the time of publication.



General Elective Units

TLID1001 Shift materials safely using manual handling methods

This unit involves the skills and knowledge required to shift loads safely using manual handling methods. Work must be carried out in compliance with the relevant work health and safety (WHS)/occupational health and safety (OHS) regulations concerning the manual handling and movement of loads.

It includes assessing the risks associated with relocating the load, planning the relocation process and carrying out the relocation in accordance with the plan.

Work is performed under some supervision generally within a team environment.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIF2080 Safely access the rail corridor

This unit involves the skills and knowledge required to enter the rail corridor. It includes taking appropriate safety precautions to:

- access the danger zone
- access the rail corridor
- respond appropriately in an emergency.

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, rules and/or guidelines.

This unit involves the application of Rail Infrastructure Manager rules, procedures and protocols for rail safety.

This unit applies to all people accessing the rail corridor.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIC4074 Shunt, couple and uncouple rail vehicles

This unit involves the skills and knowledge required to safely shunt rail vehicles in accordance with safeworking and organisational, policies and procedures.

It includes preparing to shunt rail vehicles for loading/unloading, making up or breaking up trains and placing vehicles for operational and/or maintenance purposes. It also includes coupling, uncoupling and securing rail vehicles.

No licensing, legislative or certification requirements apply to this unit at the time of publication.



General Elective Units

TLIC4019 Drive a train to operations requirements

This unit involves the skills and knowledge required to drive a train to operational requirements in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes applying train management techniques to manage the movement of a train and, as the driver of a motive power unit, to conduct all movements and related activities required to achieve operational requirements. It also includes responding effectively to external factors and emergencies, handing over a train to a relief crew and stabling it at the end of a journey.

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 routine operational principles and procedures when driving trains as part of workplace activities across a variety of operational contexts within the Australian rail systems.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

TLIC4071 Establish and operate train braking system

This unit involves the skills and knowledge required to identify, establish and operate a train braking system after it has been marshalled and deals with brake system faults and failures.

It includes identifying and operating train braking system, and locating and rectifying or isolating system faults during operation in accordance with organisational procedures.

This unit covers activities carried out in a rail yard or on a main line.

No licensing, legislative or certification requirements apply to this unit at the time of publication.



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General Elective Units

TLIC4072 Set up, operate and shut down a distributed power system

This unit involves the skills and knowledge required to set up, operate and shut down a distributed power system in accordance with organisational procedures, relevant codes of practice and rail industry standards.

It includes setting up a remote control system; setting up a lead control system; and operating, monitoring and shutting down a distributed power system. Distributed power refers to the physical distribution, at intermediate points throughout the length of a train, of separate motive power units. Such motive power units may be single units or multiple consists, remotely-controlled from the lead locomotive.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

For further information on units of competency within the TLI42615 CIV in Train Driving please follow this link: <http://training.gov.au/Training/Details/TLI42615>