

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 contexts 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 contexts with responsibility for own functions and outputs.

Job roles

This qualification is aligned to the following defined roles:

- electric passenger train driver
- freight train driver
- heavy haul train driver
- locomotive driver
- train driver.

Entry Requirements

There are no entry requirements for this qualification.

Network Entry Requirements

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

Packaging Rules

The packaging rules in the Training Package are as follows

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

12 core units listed below, **plus**

All units within one of the specialist elective unit groups (job roles) from Group A, Group B, Group C, Group D or Group E listed below, **plus 4 elective units** from Group F general elective units listed below or remaining units not selected from a specialist elective unit group.

Up to 2 of the general elective units may be selected from any relevant nationally endorsed Training Package. The general elective units must contribute to the vocational outcomes of the qualification.

Please note: Railtrain does not deliver the specialist elective units in Group B to E, nor all the general elective units listed in the Training Package. The units delivered by Railtrain are listed below, and include all the specialist elective units in Groups A, as well as the general elective units nominated.

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 consideration 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

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 train to operational requirements

General elective units

TLIB3018	Conduct full train examination
TLIB4079	Conduct a general train examination
TLIC4073	Set up, operate and shut down a distributed power system
TLIC4074	Shunt, couple and uncouple rail vehicles
TLID1001	Shift materials safely using manual handling methods
TLIF0008	Apply safety critical communications in the rail environment
TLIE0002	Process workplace documentation
TLIE1003	Participate in basic workplace communication
TLIF0020	Safely access the rail corridor
TLIF3091	Apply awareness of dangerous goods and hazardous materials requirements
TLIG1001	Work effectively with others

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.

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.

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.

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.

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.

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.

TLIE2007 Use communications 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.

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.

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.

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.

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.

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.

Specialist elective units

Group A: 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.

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.

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.

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.

TLIC4019 Drive 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.

General elective units

TLIB3018 Conduct full train examination

This unit involves the skills and knowledge required to conduct a full train examination in accordance with workplace procedures and the requirements of relevant safeworking regulations and codes of practice. It includes preparing for a train examination, preparing a train for examination, examining rolling stock, examining loads, and documenting and actioning examination 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 under some supervision, generally within a team environment.

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.

TLIC4073 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.

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.

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.

TLIF0008 Apply safety critical communications in the rail environment

This unit involves the skills and knowledge required to apply effective safety critical communications and is also considered best practice for general communications in the rail environment.

It includes communicating, providing timely and accurate rail operational information and responding to unplanned situations or events appropriately.

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

Safety critical communications is any communication that, if not delivered or not delivered accurately or promptly, could result in death, serious injury or incur significant damage to property, infrastructure or the environment.

TLIE0002 Process workplace documentation

This unit involves the skills and knowledge required to process workplace documentation and gather data in accordance with workplace requirements. Processing documentation/data is carried out as an integral part of work operations in the context of the workplace concerned.

It includes planning and completing documentation and data gathering to fulfil an identified purpose, including legislative obligations.

Work may be performed in a team or autonomous working situations.

TLIE1003 Participate in basic workplace communication

This unit involves the skills and knowledge required to participate effectively in basic workplace communication as an integral part of routine work in the context of the workplace concerned.

It includes communicating information about routine tasks, processes, events or skills; participating in group discussions to achieve appropriate work outcomes; and representing group views to others.

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

TLIF0020 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.

TLIF3091 Apply awareness of dangerous goods and hazardous materials requirements

This unit involves the skills and knowledge required to identify and apply an awareness of hazardous substances and dangerous goods requirements.

It includes identifying legislation relating to hazardous substances and dangerous goods, segregating dangerous goods and hazardous substances, and dealing with incidents involving hazardous substances and dangerous goods.

This unit is intended for people who have minimal or no contact with explosives or hazardous substances and dangerous goods as part of their job role but who require an awareness of how hazardous substances and dangerous goods are labelled and segregated when being transported.

TLIG1001 Work effectively with others

This unit involves the basic skills and knowledge required to work effectively with others using established procedures and appropriate interpersonal skills to assist others to complete work tasks, in accordance with workplace procedures and relevant regulatory requirements.

It includes contributing to determining appropriate work roles, planning activities and working with others to complete activities.

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

TLIC0079 Operate a motive power unit within defined limits

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

It includes operating the controls of the motive power unit and monitoring its performance. It also includes working collaboratively with other train crew and relevant personnel.

Defined limits are considered to be yards, terminals or sidings.

This unit is not intended to be used as a qualification for operation of a motive power unit on a main line.

Traineeship Fees and Charges

Publicly Funded



Qualification		Publicly funded VET in Western Australia	
		Non-Concession	Concession
TLI42615	Certificate IV in Train Driving	\$3802.50	\$1134.90
	Resource fees		

The Student tuition fees are indicative only and are subject to change given individual circumstances at enrolment. Additional fees may apply such as Student service and resource fees

Link to view [Western Australia's VET fees and charges policy](#)

Employer Fee for Service

Please contact training@railtrain.com.au or call 089470 4999 to discuss your training needs and scheduling requirement.