



Australian Government

Department of Education, Employment and Workplace Relations

TLI31810 Certificate III in Rail Track Surfacing

Release: 1

TLI31810 Certificate III in Rail Track Surfacing

Modification History

Not Applicable

Description

Rationale:

This is a general qualification for a person engaged in the installation and maintenance of mechanical rail track and the operation of track surfacing and other track equipment. It involves a broad range of skilled applications applied in a wide variety of contexts, which may involve application of some discretion and judgement in selecting equipment, services or contingency measures. It may also include responsibility for coordinating the work of others.

Pathways Information

Not Applicable

Licensing/Regulatory Information

Not Applicable

Entry Requirements

Entry requirements:

The entry requirements for this qualification are successful completion of TLI21310 Certificate II in Rail Infrastructure (Track Surfacing) or equivalent vocational competency gained by working within the rail infrastructure environment.

Employability Skills Summary

Employability Skills Summary for

TLI31810 Certificate III in Rail Track Surfacing

The following table contains a summary of the employability skills as identified by the Transport and Logistics Industry for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on packaging options.

Employability Skill

Industry/enterprise requirements for this qualification include:

Communication

- Implement and monitor communication systems and procedures required when rail track surfacing
- Read and interpret relevant regulations, instructions, signs and labels applicable to rail track surfacing
- Speak clearly and directly on matters related to rail operations and, in particular, rail track surfacing
- Listen to and interpret verbal information related to rail track surfacing
- Write documents as part of duties, including, where applicable, completion of relevant forms, timesheets, service logs and incident reports
- Negotiate issues with others in the course of rail track surfacing
- Recognise and interpret non-verbal signs, signals and behaviour
- Use relevant communication equipment.

Teamwork

- Collaborate with others in the course rail track surfacing
- Provide leadership to other personnel in the workplace
- Motivate others in the workplace
- Assist others in the workplace to achieve and

Employability Skill**Industry/enterprise requirements for this qualification include:**

maintain competence

- Assist in the resolution of any interpersonal conflicts that may arise during work operations
- Avoid and prevent the harassment of others in the workplace
- Work with persons of different ages, gender, race, religion, political persuasion, etc.
- Identify and solve or report problems arising in the course of rail track surfacing
- Monitor and anticipate problems that may occur in the course of rail track surfacing and take appropriate action to report or resolve the problems within limits of responsibility
- Identify and control hazards and risks in a range of situations related to rail track surfacing and take appropriate precautions
- Use mathematics to solve various calculations related to rail track surfacing.

Problem solving**TLI31810 Certificate III in Rail Track Surfacing (continued)****Initiative and enterprise**

- Modify activities dependent on differing situations and contingencies
- Take appropriate initiatives in a range of operational situations
- Respond appropriately to any changes in equipment, standard operating procedures and the working environment.

Planning and organising

- Follow and apply operational and emergency plans, systems and procedures
- Monitor systems and procedures for compliance with regulations and codes of practice
- Implement the workplace security and safety management systems
- Monitor and evaluate operational performance and compliance
- Collect and interpret information needed in the course of train driving
- Manage time and priorities in the course of train driving.

Initiative and enterprise	• Modify activities dependent on differing situations and contingencies • Take appropriate initiatives in a range of operational situations • Respond appropriately to any changes in equipment, standard operating procedures and the working environment.
Self management	• Interpret and apply regulations and instructions • Evaluate own work performance.
Learning	• Contribute to learning and assessment activities in the workplace • Assist others to adapt to any changes in workplace systems, equipment, procedures and the workplace operating environment • Assist in the instruction, coaching or mentoring of others in the workplace • Contribute to the assessment of the competence of others in the workplace • Assist in the creation of a learning environment in the rail industry workplace • Adapt own competence in response to any changes in the processes and equipment used in train driving • Update own knowledge and skills required for rail track surfacing.
Technology	• Use equipment and materials required when rail track surfacing • Follow and apply operational and servicing instructions for equipment used when rail track surfacing • Follow and apply OH&S procedures when carrying out rail track surfacing.

Packaging Rules

Requirements for completion of the qualification:

A successful assessment outcome for a total of **12 units** of competency comprising:

- the **8 core units** listed below

plus

- **4 elective units** which may be taken from the elective units listed below, or may include **up to 2 units** drawn with appropriate contextualisation from any currently endorsed national Training Package or accredited course.

Where the choice of a unit from another currently endorsed national Training Package or accredited course is made, this unit must contribute towards the vocational outcome of the qualification.

Where imported units are selected, care must be taken to ensure that all pre-requisites specified are complied with.

TLI31810 Certificate III in Rail Track Surfacing (continued)

Core units:

Field	Unit
B and E Equipment Checking and Maintenance	TLIB3094A Check and repair track geometry
E Communication and Calculation	TLIE2001A Present routine workplace information TLIE2007A Use communication systems
F Safety Management	TLIF3003A Implement and monitor occupational health and safety procedures
J Quality	TLIJ3002A Apply quality systems
S Construction and Installation	TLIS3026A Implement track maintenance and construction TLIS3039A Measure and mark track for resurfacing
U Environment	TLIU4001A Implement and monitor environmental protection policies and procedures

Elective units:

Field	Unit
B Equipment Checking and Maintenance	TLIB3102A Adjust rail TLIB2092A Operate minor mechanical equipment TLIB2097A Install and maintain guard rails TLIB3099A Examine track infrastructure
C Vehicle Operation	TLIC3045A Operate road/rail vehicle
E Communication and Calculation	TLIE2007A Use communication systems TLIE2008A Process workplace documentation

Field	Unit
F Safety Management	TLIF2006A Apply accident-emergency procedures
	TLIF3058A Apply safeworking rules and regulations to rail functions
	TLIF3063A Administer the implementation of fatigue management strategies
G Teamwork	TLIG1001A Work effectively with others
I Customer Service	TLII1002A Apply customer service skills
S Construction and Installation	TLIS2012A Install and service rail lubrication equipment
	TLIS3025A Implement ballast unloading
	TLIS3026A Implement track maintenance and construction
	TLIS2027A Install and maintain surface track drainage
	TLIS2033A Install and repair temporary track supports
	TLIS2034A Install and repair rail fastening systems
	TLIS2035A Install and repair fences and gates
	TLIS3037A Install and repair rail earthworks