



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **TLI31811 Certificate III in Rail Track Surfacing**

**Release: 1**

## **TLI31811 Certificate III in Rail Track Surfacing**

### **Modification History**

Changes to core and elective units. Packaging rules updated. Equivalent.

### **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 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.

#### **Job roles:**

Job roles and titles vary across different sectors. A possible job title relevant to this qualification includes:

- Rail track surfer.
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### **Pathways Information**

Not Applicable

### **Licensing/Regulatory Information**

Not Applicable

## Entry Requirements

The entry requirements for this qualification are successful completion of TLI21311 Certificate II in Rail Infrastructure (Track Surfacing) or relevant industry experience gained by working within the rail infrastructure environment.

## Employability Skills Summary

### Employability Skills Summary for TLI31811 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. The 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.

<b>Employability Skill</b>	<b>Industry/enterprise requirements for this qualification include:</b>
<b>Communication</b>	<ul style="list-style-type: none"> <li>• Implement and monitor communication systems and procedures required when surfacing rail track</li> <li>• Read and interpret relevant regulations, instructions, signs and labels applicable to rail track surfacing</li> <li>• Speak clearly and directly on matters related to rail operations and, in particular, rail track surfacing</li> <li>• Listen to and interpret verbal information related to rail track surfacing</li> <li>• Write documents as part of duties, including where applicable completion of relevant forms, timesheets, service logs and incident reports</li> <li>• Negotiate issues with others in the course of rail track surfacing</li> <li>• Recognise and interpret non-verbal signs, signals and behaviour</li> <li>• Use relevant communication equipment</li> </ul>
<b>Teamwork</b>	<ul style="list-style-type: none"> <li>• Collaborate with others in the course of rail track surfacing</li> <li>• Provide leadership to other personnel in the workplace</li> <li>• Motivate others in the workplace</li> <li>• Assist others in the workplace to achieve and maintain competence</li> <li>• Assist in the resolution of interpersonal conflicts that may arise during work operations</li> <li>• Avoid and prevent the harassment of others in the workplace</li> <li>• Work with persons of different ages, gender, race, religion, political persuasion, etc.</li> </ul>
<b>Problem solving</b>	<ul style="list-style-type: none"> <li>• Identify and solve or report problems arising in the course of rail track surfacing</li> <li>• Monitor and anticipate problems that may occur in the course of rail track surfacing and take appropriate action to report or resolve the</li> </ul>

- 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
- Initiative and enterprise**
  - Modify activities dependent on differing situations and contingencies
  - Take appropriate initiative in a range of operational situations
  - Respond appropriately to changes in equipment, standard operating procedures and the work 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 workplace security and safety management systems
  - Monitor and evaluate operational performance and compliance
  - Collect and interpret information needed in the course of track surfacing
  - Manage time and priorities in the course of track surfacing
- 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 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 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 changes in the processes and equipment used in track surfacing
  - 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 **11 units** of competency comprising:

- **7 core units** listed below

plus

- **4 elective units** from the elective units listed below, with up to 2 of those units drawn with appropriate contextualisation from any currently endorsed national Training Package or accredited course, provided that the units contribute to the vocational outcome of the qualification.

Where imported units are selected, care must be taken to ensure that all prerequisites specified in the unit are complied with.

#### Core units:

Field	Unit
<b>B Equipment Checking and Maintenance</b>	TLIB3094B Check and repair track geometry
<b>E Communication and Calculation</b>	TLIE2007A Use communication systems
	TLIE2029A Conduct workplace information briefings
<b>F Safety Management</b>	TLIF3003A Implement and monitor occupational health and safety procedures
<b>J Quality</b>	TLIJ3002A Apply quality systems
<b>S Construction and Installation</b>	TLIS3026B Implement track maintenance and construction
	TLIS3039A Measure and mark track for resurfacing

#### Elective units:

Field	Unit
<b>B Equipment Checking and Maintenance</b>	TLIB2092A Operate minor mechanical equipment
<b>C Vehicle Operation</b>	TLIC3045A Operate road/rail vehicle
<b>E Communication and Calculation</b>	TLIE2008A Process workplace documentation
<b>F Safety Management</b>	TLIF2006A Apply accident-emergency procedures
	TLIF3058A Apply safeworking rules and regulations to rail functions

		TLIF3089A	Implement fatigue management policies and procedures for rail infrastructure
<b>G</b>	<b>Teamwork</b>	TLIG1001A	Work effectively with others
		TLIG3002A	Lead a work team or group
<b>K</b>	<b>Technology</b>	TLIK2010A	Use infotechnology devices in the workplace
<b>S</b>	<b>Construction and Installation</b>	TLIS2034A	Install and repair rail fastening systems
		TLIS3025A	Implement ballast unloading
<b>U</b>	<b>Environment</b>	TLIU4001A	Implement and monitor environmental protection policies and procedures
<b>W</b>	<b>Equipment and Systems Operations</b>	TLIW2028A	Identify the principles of ballast cleaning operations
		TLIW2029A	Identify the principles of ballast regulator operations
		TLIW2030A	Identify the principles of dynamic track stabiliser operations
		TLIW2031A	Identify the principles of self-propelled rail grinder operations
		TLIW2032A	Identify the principles of tamping machine operations
		TLIW2033A	Identify the principles of track laying operations