



**Australian Government**

# **Assessment Requirements for TLIS3039 Measure and mark track for resurfacing**

**Release: 1**

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## Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- adapting to differences in equipment in accordance with workplace procedures
- applying relevant safeworking system and workplace procedures
- calculating, recording and marking data for resurfacing operations from information sources such as survey sheets, survey marks and curve compensation charts
- completing relevant documentation
- identifying and marking track obstructions
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- identifying, selecting and using tools and equipment
- interpreting and following operational instructions
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- reading and interpreting relevant instructions, procedures, information, plans, drawings and specifications
- reading recorded track geometry data
- recording and reporting results
- reporting and/or rectifying identified problems, in accordance with workplace procedures
- using appropriate measurement tools to measure the range of geometry elements
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- details of safeworking system procedures
- hazards that may exist when measuring and marking track for resurfacing, and ways of controlling the risks involved
- methods of marking and protecting obstructions
- obstructions to resurfacing operations, including operation of tampers, ballast regulators and stabilisers
- problems that may occur when measuring and marking track for resurfacing operations, and action that can be taken to report or resolve these problems
- relevant rail danger zones
- relevant records procedures
- relevant safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- track data requirements for resurfacing
- track geometry parameters associated with maintenance and/or construction such as alignment, top, line, twist, superelevation
- workplace procedures for recording and analysing track parameters.

## Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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Assessment must occur in workplace operational situations or, where this is not available, in simulated workplace operational situations that replicate rail corridor workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment include:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, regulations, rail industry standards, codes of practice and operation manuals.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>

