



Australian Government

TLIS3039 Measure and mark track for resurfacing

Release: 1

TLIS3039 Measure and mark track for resurfacing

Modification History

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

Application

This unit involves the skills and knowledge required to undertake measurement and marking of track for resurfacing operations in accordance with safe working and regulatory requirements, and workplace procedures.

It includes identifying and marking track obstructions, using appropriate measurement tools to measure the range of geometry elements, calculating recording and marking data for resurfacing operations, and recording and reporting 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 minimal supervision, generally within a team environment. It involves the application of routine operational principles and procedures when measuring and marking track for resurfacing across a variety of operational contexts.

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

Pre-requisite Unit

Not applicable.

Competency Field

S – Construction and Installation

Unit Sector

Not applicable.

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
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| 1 Plan for resurfacing | <ul style="list-style-type: none">1.1 Scope of resurfacing work, including ramp-in and ramp-out points, mode of machine application and requirements for measurements are determined1.2 Appropriate survey documentation is selected1.3 Survey plaques and monuments are located and accurately interpreted as required1.4 Hazards are identified, risks are assessed and control measures are implemented |
| 2 Mark or protect obstructions | <ul style="list-style-type: none">2.1 Track obstructions are identified2.2 Track obstructions are marked or protected as required in accordance with workplace procedures |
| 3 Measure geometry and record results | <ul style="list-style-type: none">3.1 Equipment appropriate to task is selected and checked for correct operation in accordance with manufacturer instructions and workplace procedures3.2 Equipment is operated in accordance with manufacturer or work instructions to provide appropriate data for analysis3.3 Track geometry is measured in accordance with workplace procedures3.4 Measurements are recorded in accordance with workplace procedures |
| 4 Mark track | <ul style="list-style-type: none">4.1 Offsets and machine adjustment values are calculated as required and recorded in accordance with workplace procedures4.2 Track data is marked on track as required in accordance with workplace procedures |
| 5 Use/report data | <ul style="list-style-type: none">5.1 Data is compared to maintenance/construction tolerances in accordance with workplace procedures5.2 Results are reported in accordance with workplace procedures |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIS3039A Measure and mark track for resurfacing.

Links

Companion Volume implementation guides are found in VETNet -

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