



**Australian Government**

**Assessment Requirements for TLIS3041  
Construct timber or composite points and  
crossings**

**Release: 1**

# Assessment Requirements for TLIS3041 Construct timber or composite points and crossings

## 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 two** separate occasions and include:

- applying relevant safeworking system and workplace procedures
- assembling track layouts to plans and specifications
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- interpreting and following operational instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- reading and interpreting relevant technical data, standards and drawings
- using appropriate equipment to make accurate measurements on points and crossings
- using geometric and dimension principles to ensure compliance with design
- working systematically with required attention to detail without injury to self or others, or damage to 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:

- appropriate hand tools, power tools and equipment required to complete activities
- clearances and tolerances
- different types of timber or composite sleepers and bearers, and their individual characteristics
- documentation and record keeping requirements
- features and principles of points and crossings operation
- hazards that may exist when constructing timber or composite points and crossings, and ways of controlling the risks involved
- measurement techniques

- point and crossing manufacturer instructions, rail industry standards and workplace procedures
- problems that may occur when constructing timber or composite points and crossings, and action that can be taken to report or resolve these problems
- rail bending techniques applied to point and crossing components
- relevant safety data sheets (SDSs)/material safety data sheets (MSDSs) and/or manufacturer instructions and workplace procedures
- relevant safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- techniques for constructing timber or composite points and crossings
- workplace procedures for constructing timber or composite points and crossings.

## 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, SDSs/MSDSs, 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>