



Australian Government

Assessment Requirements for TLIS0001 Construct and assemble points and crossings

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 two separate occasions and include:

- applying relevant safeworking system and workplace procedures
- assembling track layouts to plans, manufacturer instructions and specifications
- completing documentation in accordance with workplace procedures
- 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 of 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 concrete, steel, timber and composite sleepers and bearers including:
 - individual characteristics
 - technical and rail network specifications
- documentation and record keeping workplace requirements
- features and principles of operation of points and crossings
- hazards that may exist when constructing 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 points and crossings, and action that can be taken to report or resolve these problems
- rail bending techniques applied to point and crossing components
- safety data sheets (SDS)/material safety data sheets (MSDS) and/or manufacturer instructions and workplace procedures
- techniques for constructing points and crossings
- work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- workplace procedures for constructing points and crossings.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

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 must include:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation including workplace procedures, regulations, rail industry standards, SDS/MSDS, 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>