



Australian Government

**Assessment Requirements for TLIB3120
Test mechanical signalling equipment and
isolate faults**

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:

- applying basic mechanical, hydraulic, pneumatic and electrical awareness to testing and fault identification activities
- applying relevant workplace procedures
- checking equipment operation
- communicating effectively with others
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- implementing contingency plans
- interpreting and following operational instructions and prioritising work
- 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 and signs
- reporting and/or rectifying identified problems, faults or malfunctions, in accordance with regulatory requirements and workplace procedures
- selecting and using relevant meters, gauges, equipment and tools when testing mechanical signalling equipment and isolating faults
- 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:

- characteristics, capabilities and limitations of mechanical signalling equipment
- characteristics, capabilities and limitations of testing devices
- documentation and record requirements
- fault-finding techniques and procedures
- faults that may occur with equipment, and appropriate action that can be taken to report and/or rectify the identified faults in the equipment or its components
- focus of operation of work systems, equipment, management and site operating systems for testing mechanical signalling equipment and isolating faults
- guidelines relating to the safe use of machinery and equipment including the tagging of unserviceable or damaged items
- mechanical, hydraulic, pneumatic and electrical awareness
- operational safety requirements for signalling equipment
- relevant safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- relevant rail industry standards, rules, codes of practice and guidelines, and/or organisational procedures for inspecting, testing, isolating and tagging mechanical signalling equipment and isolating faults
- site layout and obstacles
- tools, meters, gauges and equipment used when testing mechanical signalling equipment and isolating faults and the precautions and procedures that should be followed in their use
- workplace procedures for testing mechanical signalling equipment and isolating faults, including tagging and reporting faulty equipment and components.

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 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, rules, 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>