



Australian Government

**Assessment Requirements for TLIB3047
Repair and adjust mechanical signalling
equipment and infrastructure**

Release: 1

Assessment Requirements for TLIB3047 Repair and adjust mechanical signalling equipment and infrastructure

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 operating procedures
- applying relevant test procedures
- applying relevant workplace procedures
- checking compliance with operational specification
- communicating effectively with others
- completing relevant documentation
- 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
- monitoring work activities in terms of planned schedule
- operating mechanical signalling equipment
- reading and interpreting relevant instructions, procedures, information, diagrams and signs
- repairing and replacing equipment
- reporting and/or rectifying identified problems, faults or malfunctions promptly, in accordance with regulatory requirements and workplace procedures
- testing and adjusting equipment function after repair has been completed to ensure compliance with manufacturer and operational requirements
- using chemical cleaning agents, solvents and lubricants in accordance with safety data sheets (SDSs)/material safety data sheets (MSDSs) and/or manufacturer instructions and organisational procedures.

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:

- documentation/authorisation processes and procedures, and technical specifications manuals
- fault detection techniques
- fundamentals of signalling and operations of mechanical signalling equipment
- hazards that may exist when repairing and adjusting mechanical signalling equipment and infrastructure, and ways of controlling the risks involved
- mechanical fitting techniques
- problems that may occur when repairing or adjusting mechanical signalling equipment and infrastructure, and action that can be taken to report or resolve these problems
- recording procedures
- relevant safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- SDSs/MSDSs for cleaning and lubricating equipment
- workplace procedures and rail industry standards for repairing and adjusting mechanical signalling equipment and infrastructure (excluding interlocking equipment).

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, 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>

