



Australian Government

**Assessment Requirements for TLIB3048
Carry out off-site repair, overhaul and
assembly of mechanical signalling
equipment**

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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 relevant workplace procedures
- carrying out appropriate repairs in accordance with workplace requirements
- carrying out visual inspection and checking in accordance with workplace procedures
- checking/confirming compliance with operational specifications
- identifying faults in accordance with organisational procedures
- 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
- operating and adapting to differences in equipment in accordance with operating procedures
- 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
- 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
- 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:

- documentation and record keeping requirements
- chemical cleaning agents, solvents and lubricants, SDSs/MSDSs and manufacturer instructions
- fault detection techniques
- fundamentals of signalling and operations of mechanical signalling equipment
- hazards that may exist when off-site repairing, overhauling and assembling mechanical signalling equipment, and ways of controlling the risks involved
- problems that may occur when off-site repairing, overhauling and assembling mechanical signalling equipment, and action that can be taken to report or resolve these problems
- relevant mechanical signalling equipment components and technical specifications
- relevant rail safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- workplace procedures for off-site repairing, overhauling and assembling mechanical signalling 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, SDSs/MSDSs, regulations, codes of practice and operation manuals.
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Links

Companion Volume implementation guides are found in VETNet -

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