



Australian Government

Assessment Requirements for TLIB3046 Service and clean mechanical signalling equipment and infrastructure

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 relevant workplace procedures
- carrying out visual inspection and functional checking tests
- checking operation of equipment in accordance with workplace procedures
- checking/confirming operational requirements
- 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, diagrams and signs
- reporting identified problems, faults or malfunctions, in accordance with regulatory requirements and workplace procedures
- selecting and using required personal protective equipment (PPE) conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- using chemical cleaning agents, solvents and lubricants in accordance with safety data sheets (SDSs)/material safety data sheets (MSDSs) and/or manufacturer instructions
- 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:

- applicable state/territory legislated rail safety requirements and relevant rail industry standards, codes of practice and/or guidelines
- documentation and record keeping requirements
- fault detection techniques
- fundamentals of signalling and operations of mechanical signalling equipment
- hazards that may exist when servicing and cleaning mechanical signalling equipment and infrastructure, and ways of controlling the risks involved
- problems that may occur when servicing and cleaning mechanical signalling equipment and infrastructure, and action that can be taken to report or resolve these problems
- rail/train movement systems
- recording procedures
- relevant WHS/OHS and environmental procedures and regulations
- workplace safeworking authorisation/approval processes and procedures
- workplace standards and procedures for servicing and cleaning mechanical signalling equipment and infrastructure.

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 PPE currently used in industry
- applicable documentation including workplace procedures, rail industry standards, SDSs/MSDSs, 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>