



Australian Government

Assessment Requirements for TLIB3078 Inspect, prepare and start an electrical tram

Release: 1

Assessment Requirements for TLIB3078 Inspect, prepare and start an electrical tram

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 trams and associated equipment and procedures
- checking and replenishing sand on an electric tram as required
- checking electric tram equipment in accordance with workplace procedures
- conducting pre-operational and in-cab checks in accordance with workplace operational procedures
- conducting a visual inspection of an electric tram and associated equipment in accordance with workplace procedures
- identifying and assessing tram defects and deficiencies and taking appropriate action to report, isolate, repair or replace identified defective equipment in accordance with workplace procedures
- identifying job hazards and required action to minimise, control or eliminate identified hazards
- interpreting and following instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring and anticipating operational problems and hazards and taking appropriate action
- operating and checking electronic communications equipment to required protocol
- reading and interpreting relevant instructions, procedures and information and signs
- selecting and using required personal protective equipment conforming to work health and safety (WHS)/occupational health and safety (OHS) and industry standards.

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:

- braking and safety system procedures for an electric tram
- cleaning requirements for an electric tram
- communication equipment checks
- electric tram controls, instruments and indicators and their purpose, location and use
- emergency procedures
- external features of an electric tram that must be checked during a pre-operational visual inspection
- functions of all supervisory indicators and controls and related checks for correct operation
- functions of ancillary systems on an electric tram and related checks for correct operation
- functions of sand as used on an electric tram and the procedures for checking and refilling sand levels and carrying out sand system testing processes on an electric tram
- monitoring devices, braking and power equipment, safety systems, ancillary systems and any signalling systems
- on-tram pre-operational checks for an electric tram
- operating controls to start, accelerate, decelerate and stop an electric tram
- principles, purpose and location of controls, monitoring devices, braking, power source and traction systems
- procedures for adjusting controls to optimise the operation of an electric tram
- procedures for identifying equipment defects and assessing for appropriate action
- procedures for managing and controlling hazardous situations when preparing and starting up an electric tram
- procedures for minor maintenance including cleaning
- procedures for operating electronic communications equipment in accordance with required protocol
- procedures for raising and lowering a pantograph or trolley pole on an electric tram
- procedures for starting and operating ancillary systems on an electric tram
- relevant safety, WHS/OHS, and environmental procedures and regulations
- relevant state/territory road traffic authority and tramway operating procedures
- requirements for completing relevant documentation when inspecting, preparing and starting an electric tram
- start-up procedures for an electric tram
- typical defects that can occur on an electric tram and related action that should be taken
- visual inspection procedures for an electric tram.

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 tram 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, 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>