



Australian Government

TLIC3082 Operate a locomotive by portable remote control

Release: 2

TLIC3082 Operate a locomotive by portable remote control

Modification History

Release 2. This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor terminology changes in Performance Criteria
- Minor changes in Performance Evidence
- Minor changes in Knowledge Evidence
- Minor statement changes in Assessment Conditions.

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to operate a motive power system by a portable remote control unit in accordance with systems of safeworking, manufacturer instructions and workplace procedures.

It includes preparing a locomotive, setting up portable remote control equipment, operating the system after set up is complete and shutting it down after operation.

This equipment is used to control a locomotive remotely when loading, unloading and/or shunting trains within defined limits, terminals, yards or sidings.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

C - Vehicle Operation.

Unit Sector

Rail sector.

Elements and Performance Criteria

Elements describe the Performance criteria describe the performance needed to

essential outcomes.

demonstrate achievement of the element.

1 Set up locomotive for portable remote operation

- 1.1** Locomotive is set up for portable remote control operation in accordance with manufacturer instructions and/or workplace procedures
- 1.2** Portable remote control equipment is installed, as required, in accordance with manufacturer instructions and/or workplace procedures
- 1.3** Hazards are identified, risks are assessed and risk control measures implemented
- 1.4** Remote control system is tested and operation confirmed in accordance with manufacturer instructions and/or workplace procedures
- 1.5** Relevant work health and safety (WHS)/occupational health and safety (OHS) requirements are followed to prevent injury and damage to equipment

2 Operate locomotive using portable remote control equipment

- 2.1** Warning signage is placed, as required, in accordance with workplace procedures
- 2.2** Portable remote control equipment is operated and monitored in accordance with operational requirements during train movements to provide safe train handling and control within defined limits
- 2.3** Portable remote control equipment is operated with an awareness that not all people in work area vicinity may know locomotive is being operated remotely
- 2.4** Operational difficulties encountered are addressed by re-establishing control of locomotive with minimum risk to personnel and equipment

3 Shut down portable remote control equipment

- 3.1** Locomotive is secured against unintentional movement in a safe location in accordance with workplace procedures
- 3.2** Portable remote control equipment is shut down in accordance with manufacturer instructions and/or workplace policies and procedures
- 3.3** Portable remote control equipment is removed from locomotive, as required, in accordance with manufacturer instructions and/or workplace policies and procedures
- 3.4** Relevant WHS/OHS requirements are followed to prevent

injury and damage to equipment

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to TLIC3082A Operate a locomotive by portable remote control.

Links

Companion Volume Implementation Guides are found in VETNet -

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

Assessment Requirements for TLIC3082 Operate a locomotive by portable remote control

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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:

- identifying job hazards and taking required actions 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
- operating and adapting to differences in equipment in accordance with operating procedures
- reading, interpreting and following relevant instructions, workplace procedures and information
- reporting and/or rectifying identified problems, faults or malfunctions promptly 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
- setting up portable remote control equipment in accordance with workplace 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:

- defined limits
- locomotive operating techniques
- rail danger zones

- rail safety, WHS/OHS and environmental procedures and regulations
- workplace operational instructions and procedures for:
 - braking and safety system workplace procedures
 - identifying defects in portable remote control units, and assessing appropriate actions to be taken
 - managing hazardous situations involving portable remote control systems
 - operating portable remote control equipment
 - shunting and marshalling procedures.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate rail corridor 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 must include access to:

- 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, regulations, codes of practice and operation manuals.

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