



Australian Government

TLIC3018 Operate on-train remote control system

Release: 2

TLIC3018 Operate on-train remote control system

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 to Performance Criteria
- Minor statement changes in Performance Evidence
- Minor statement 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 an on-train remote control system in accordance with system of safeworking, regulatory requirements and workplace procedures.

It includes positioning equipment and motive power units, operating the system and shutting it down after operation.

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements and to comply with relevant codes of practice and/or guidelines.

Work is performed without supervision, generally within a team environment.

On-train remote control equipment is any mechanism and operating system that allows the control of one motive power unit, which is part of a train, from another unit that is part of the same train.

It involves the application of routine operational principles and procedures when operating the on-train remote control system, as part of workplace activities across a variety of operational contexts within the Australian rail system.

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

Elements describe the essential outcomes.

1 Position equipment and motive power unit/s

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1** Remote control equipment and motive power units are positioned in required locations
- 1.2** Brake test is conducted on each train section with assistance from appropriate personnel
- 1.3** Front and rear train consists are coupled together to form one train in accordance with safe working techniques
- 1.4** Relevant work health and safety (WHS)/occupational health and safety (OHS) requirements are followed to prevent injury and damage
- 1.5** Relevant codes of practice, system of safeworking and work requirements are followed

2 Monitor and operate remote control equipment

- 2.1** Motive power units and control system set-up are checked to ensure safe operational status
- 2.2** Remote control equipment is operated and monitored in accordance with operational requirements during train movements to provide safe train handling and control
- 2.3** Operational difficulties encountered are addressed by re-establishing control of the motive power units with minimum risk to personnel and equipment

3 Shut down remote control equipment

- 3.1** Shutdown procedures of lead and remote control equipment are followed to ensure train security and de-activation of the system
- 3.2** Equipment indicators or functions are operated to ensure shutdown process is correct and complete

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 TLIC3018A Operate on-train remote control system.

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 TLIC3018 Operate on-train remote control system

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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:

- completing relevant documentation
- 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
- monitoring performance of equipment and taking appropriate actions
- monitoring train speeds and movements and taking appropriate actions
- monitoring work activities in terms of planned schedule
- operating and adapting to differences in equipment in accordance with workplace operating procedures
- reading and interpreting relevant instructions, procedures, information and signs
- reporting and/or rectifying identified problems, faults or malfunctions promptly in accordance with regulatory requirements and workplace procedures
- shutting down remote control system 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:

- applicable state/territory legislated rail safety requirements, relevant codes of practice and/or guidelines
- equipment defects and operational difficulties that may occur during the operation of remote control units
- motive power operating techniques
- on-train remote control unit controls, instruments and indicators, and their purpose, location and use
- rail safety, work health and safety (WHS)/occupational health and safety (OHS), and environmental procedures and regulations
- system of safeworking
- workplace procedures for:
 - braking and safety system procedures
 - controlling motive power units
 - managing hazardous situations involving online remote control systems
 - operating remote control units
 - operational instructions for on-train remote control system
 - positioning procedures
 - shutdown workplace 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 personal protective equipment (PPE) currently used in industry
- applicable documentation including workplace procedures, regulations, rail network standards, codes of practice and operation manuals.

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