



Australian Government

TLIL3072 Operate signal panel or equipment

Release: 2

TLIL3072 Operate signal panel or equipment

Modification History

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

- Minor statement changes in 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 a signal panel and/or equipment in accordance with workplace procedures and the requirements of relevant system of safeworking, regulations and codes of practice.

It includes preparing for operation, controlling rail traffic movement, implementing contingency plans, updating traffic movement documentation and handing over or relieving the signaller in accordance with workplace requirements.

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

The unit involves the application of operational principles, regulations, system of safeworking, codes, protocols and procedures when operating a signal panel and/or equipment, as part of workplace activities across a variety of operational contexts within the Australian rail industry.

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

Pre-requisite Unit

Not applicable.

Competency Field

L – Resource Management

Unit Sector

Rail sector.

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1 Prepare to operate signal control location

- 1.1** Reporting for duty is undertaken in accordance with work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace policies and procedures
- 1.2** Network control officer is contacted in accordance with workplace policies and procedures
- 1.3** Documentation is checked for local activities and/or rail traffic movements that may affect rail traffic operations in accordance with workplace procedures and policies
- 1.4** Signalling equipment is switched in for use, as required
- 1.5** Operation of equipment is tested in accordance with workplace policies and procedures

2 Control local rail traffic movements

- 2.1** Local rail traffic movements are coordinated with relevant personnel in accordance with workplace policies and procedures
- 2.2** Signalling systems are operated and monitored to ensure safe movement of rail traffic
- 2.3** Activities that may affect operations are reported and recorded in accordance with workplace policies and procedures

3 Communicate with relevant personnel

- 3.1** Communication with relevant rail safety workers is undertaken to ensure they are informed of local rail traffic movements in accordance with workplace policies and procedures
- 3.2** Communication with other relevant personnel is undertaken to ensure they are informed of local rail traffic movements in accordance with workplace policies and procedures

4 Monitor and respond to system alarms

- 4.1** System alarms are monitored, as required, in accordance with workplace policies and procedures
- 4.2** Activated alarms are responded to appropriately and reported to appropriate personnel in accordance with workplace policies and procedures

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| | 4.3 | Identified faults are reported to appropriate personnel in accordance with workplace policies and procedures |
| 5 Implement contingency plans, as instructed | 5.1 | Contingency plan to suit disruption, system failure or fault is actioned, as instructed, in accordance with workplace policies and procedures |
| | 5.2 | Local rail traffic movements are adjusted in accordance with workplace and/or local operational requirements |
| | 5.3 | Communications with network control officer and other relevant personnel are established and maintained, as required |
| 6 Update local rail traffic movement documentation | 6.1 | Local rail traffic movement documentation is amended, compiled and recorded in accordance with workplace policies and procedures |
| | 6.2 | Local rail traffic movement information and documentation are handed over when relieved and/or at the completion of shift in accordance with workplace policies and procedures |
| 7 Hand over control to relieving signaller | 7.1 | Relieving signaller is informed of operational status and ongoing issues in accordance with workplace policies and procedures |
| | 7.2 | Documentation is checked to ensure it is up-to-date and is then endorsed in accordance with workplace policies and procedures |
| 8 Take over control from signaller | 8.1 | Information on operational status and ongoing issues is received from signaller in accordance with workplace policies and procedures |
| | 8.2 | Documentation is checked to ensure it corresponds to operational status and is then endorsed in accordance with workplace policies and procedures |

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 TLIL3072A Operate signal panel or equipment.

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 TLIL3072 Operate signal panel or equipment

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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:

- applying relevant system of safeworking rules and workplace procedures
- communicating effectively with others
- completing relevant documentation and entering data accurately
- controlling rail traffic movement
- handing over or relieving the signaller
- implementing contingency plans
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- operating a signal panel or equipment
- operating communication systems in accordance with workplace protocols
- reading, interpreting and following relevant instructions, information and workplace procedures
- reporting or rectifying identified problems, faults and malfunctions within limits of own role in accordance with workplace procedures
- updating rail traffic movement documentation.

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, codes of practice and/or guidelines
- documentation requirements
- problems that may occur when operating signal panel or equipment and actions that should be taken to resolve these problems
- signalling and control systems and their operations
- specific local conditions and restrictions
- types of communications systems available
- types of surveillance and alarm systems in use
- workplace procedures for controlling and coordinating local rail traffic operations relevant to operating signal panel or equipment.

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, signal control equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation with terminology as defined by the applicable Rail Infrastructure Manager system of safeworking including workplace procedures, regulations, rules and codes of practice.

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