



Australian Government

TLIL4085A Coordinate tram/light rail traffic movement

Release 1

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Modification History

Release 1. This is the first release of this unit.

Unit Descriptor

This unit involves the skills and knowledge required to coordinate tram/light rail traffic movement in accordance with organisational procedures, regulatory requirements and codes of practice. It includes monitoring the status of and implementing the daily timetable; controlling tram/light rail traffic movements; implementing contingency plans for system faults, failures and planned events; and updating traffic movement documentation in accordance with organisational requirements.

Licensing or certification requirements are not applicable to this unit.

Application of the Unit

This unit involves the application of operational principles, regulations, protocols and procedures to controlling tram/light rail traffic movement as part of workplace activities.

Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Nil

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

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|---|---|
| 1 Monitor status of daily timetable | 1.1 Tram/light rail movements and associated activities are analysed to establish current situation |
| | 1.2 Out of course tram/light rail movements, special events, planned reconstruction work and associated activities are identified to establish their effect on the status of the daily timetable |
| | 1.3 Notices are checked and adjustments are made as required |
| 2 Implement daily timetable | 2.1 Tram/light rail movements are coordinated to ensure optimum and consistent running to schedules in accordance with organisational policies and procedures |
| | 2.2 Relevant information is communicated to internal and external customers |
| | 2.3 Planned and unplanned tram/light rail movements are implemented in accordance with organisational policies and procedures |
| 3 Control tram and light rail traffic movement | 3.1 Tram/light rail movements are coordinated with other relevant personnel in accordance with organisational policies and procedures |
| | 3.2 Operational tactical situations are monitored to ensure adherence of tram/light rail traffic to daily timetable |
| | 3.3 Alarm systems are monitored and responded to as required in accordance with organisational policies and procedures |
| 4 Communicate with track/emergency / rail safety workers | 4.1 Communication with relevant track/emergency/rail safety workers is undertaken to ensure they are informed of tram/light rail movements, in accordance with organisational policies and procedures |
| | 4.2 Alternative communication methods are identified and used when regular communication system malfunctions |
| 5 Implement contingency plans | 5.1 Contingency plan to suit unplanned track works, disruptions, system failure or fault is identified and actioned in accordance with organisational policies and procedures |
| | 5.2 Resources to respond to the contingency are arranged in accordance with relevant organisational policies and procedures |
| | 5.3 Required communications are established |
| | 5.4 Tram/light rail service is adjusted in accordance with organisational requirements |
| | 5.5 Communications with internal and external customers are established |

and maintained as required

Required Skills and Knowledge

This section describes the knowledge and skills required for this unit.

Required knowledge:

- Alarm systems and their application
- Available communication systems
- Network
- Organisational procedures for controlling and coordinating tram/light rail operations
- Problems that may occur when controlling rail traffic and related action that should be taken
- Relevant safety, work health and safety (WHS)/occupational health and safety (OHS), and environmental procedures and regulations
- Relevant sections of legislated rail safety requirements including state and territory Acts and regulations, and nationally approved compliance codes and/or guidelines
- Stakeholders/customers such as:
 - contractors
 - customer services
 - emergency services
 - government
 - media unit
 - passengers
 - regulators
 - revenue protection officers
- Tram/light rail driving

Required skills:

- Communicate effectively with others
- Modify activities depending on operational contingencies, risk situations and environments
- Operate communication systems to required protocol
- Read, interpret and follow instructions, procedures and information relevant to coordinating tram/light rail traffic
- Report and/or rectify any problems, faults or malfunctions identified when coordinating tram/light rail traffic

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills, the range statement and the assessment guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of applying:

- required knowledge and skills
- relevant legislation and workplace procedures
- other relevant aspects of the range statement.

Assessment must include exercises that demonstrate competent performance of the following in a range of situations:

- implementing unplanned tram/light rail movements in accordance with organisational procedures
- identifying alternative communication systems for unplanned events
- arranging resources to deal with a contingency.

Context of and specific resources for assessment

Performance is demonstrated consistently over time and in a suitable range of contexts.

Resources for assessment include access to:

- a range of relevant exercises, case studies and/or other simulated practical and knowledge assessment, and/or
- an appropriate range of relevant operational situations in the workplace.

In both real and simulated environments, access is required to:

- relevant and appropriate materials and equipment, and
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

Method of assessment

As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests.

Practical assessment must occur in an appropriate range of situations in the workplace.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

Special events may be:

- demonstrations
- festivals
- parades
- sporting events

Associated activities may impact on the movement of tram/light rail traffic and may include:

- defective electrical systems
- diversion/alternative routing of tram/light rail traffic
- track maintenance

Events triggering the need to implement contingency plans may include:

- adverse environmental events
- breakdowns
- collisions
- derailments
- electrical system faults
- fires
- hazardous materials spills
- injuries and fatalities
- passenger actions
- track damage

Communication systems may include:

- computers
- email
- faxes
- internet
- radios
- telephones

Rail safety workers may include:

- contractors
- depot starters
- electrical control officers
- line officers
- network officers
- signallers
- track workers
- tram/light rail drivers
- senior drivers

Notices may include:

- matters for attention book
- special tram/light rail notices

Unit Sector(s)

Not applicable.

Competency Field

L – Resource Management