



Australian Government

TLIL3052 Plan urban passenger train consists

Release: 2

TLIL3052 Plan urban passenger train consists

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 Assessment Conditions.

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

Application

It includes identifying passenger requirements and resources, planning connections with other passenger services, and planning consists for urban passenger trains.

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 under general supervision. It involves applying basic principles, routine procedures and regulatory requirements to plan urban passenger train consists.

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.

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|----------|--|------------|---|
| 1 | Identify urban passenger requirements and resources | 1.1 | Passenger usage patterns, specific bookings and external events likely to influence passenger numbers are monitored and applied to urban passenger train consist planning |
| | | 1.2 | Requirements for carriages and motive power units for urban passenger trains are adjusted in light of passenger demand |
| | | 1.3 | Train crewing needs and/or constraints are identified to ensure consists are compatible with available resources |
| | | 1.4 | Passenger usage patterns are monitored and train configurations are adjusted in accordance with workplace procedures |
| | | 1.5 | Shunting and marshalling requirements are identified for planned consists in accordance with timetable requirements |
| | | 1.6 | Hazards are identified, risks are assessed and control measures are implemented |
| 2 | Plan connections with other passenger services | 2.1 | Train timetables are compared with timetables from other passenger services for coordination purposes |
| | | 2.2 | Passenger flow patterns for related services are checked to ensure smooth flow patterns |
| | | 2.3 | Modifications to existing timetables are made to ensure mutually supporting passenger services are achieved where possible |
| | | 2.4 | Suitable passenger transit holding areas between services are identified and included in plan |
| | | 2.5 | Timetable reviews and passenger flow issues are discussed with appropriate external passenger service providers |
| 3 | Plan consists for urban passenger trains | 3.1 | Consists are planned, taking into account the need to move passengers efficiently within constraints of carriage availability, motive power availability, personnel |

availability, track layout, track condition, gauge and weight

3.2

Details of urban train consists are forwarded to yard and terminal operations for planning purposes

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 TLIL3052A Plan urban passenger train consists.

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 TLIL3052 Plan urban passenger train consists

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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:

- adapting to differences in equipment in accordance with operating procedures
- applying relevant safeworking system and workplace procedures
- completing relevant documentation
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- implementing contingency plans
- interpreting timetables, time graphs and diagrams
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- planning passenger support services, including transit arrangements
- reading and interpreting relevant instructions, procedures and information
- reporting and/or rectifying identified problems in accordance with regulatory requirements and workplace procedures
- selecting the most cost-effective motive power units and carriages to provide required urban passenger train services
- working collaboratively with others when planning urban passenger train consists
- 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
- appropriate urban passenger train consists and types of passenger trains
- documentation and reporting requirements for planning urban passenger train consists
- factors affecting passenger load capacity for all relevant urban train services provided
- focus of operation of work systems, equipment, management and site operating systems for planning urban passenger train consists
- maximum urban passenger train lengths
- platform and station details
- problems that may occur when planning urban passenger train consists and appropriate action that can be taken to resolve these problems
- relevant passenger flow patterns for related services
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental protection procedures and guidelines
- running times of urban trains
- shunting and marshalling requirements
- signalling equipment used at the stations or platforms
- workplace procedures and policies for planning urban passenger train consists.

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 or, where this is not available, in simulated workplace operational situations that replicate rail 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:

- 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 industry standards, codes of practice and operation manuals.

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