



Australian Government

Department of Education, Employment and Workplace Relations

TLIL3052A Plan urban passenger train consists

Release: 1

TLIL3052A Plan urban passenger train consists

Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to plan urban passenger train consists in accordance with regulatory and workplace requirements, including identifying passenger requirements and resources; planning connections with other passenger services; and planning consists for urban passenger trains. Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Application of the Unit

Application of the Unit

Persons achieving competence in this unit will need to fulfil the applicable legislated rail safety requirements including acts and regulations from each state and territory together with any nationally approved compliance codes 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.

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Not Applicable

Employability Skills Information

Employability Skills

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

ELEMENT	PERFORMANCE CRITERIA
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
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 Plan identifies and includes suitable passenger transit holding areas between services 2.5 Timetable reviews and passenger flow issues are discussed with the 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

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

This describes the essential knowledge and skills and their level required for this unit.

Required knowledge:

- Applicable legislated rail safety requirements including acts and regulations from each state and territory together with any nationally approved compliance codes and/or guidelines

REQUIRED KNOWLEDGE AND SKILLS

- Relevant OH&S and environmental protection procedures and guidelines
- Workplace procedures and policies for the planning of urban passenger train consists
- Focus of operation of work systems, equipment, management and site operating systems for the planning of urban passenger train consists
- Appropriate urban passenger train consists and types of passenger trains
- Platform and station details
- Signalling equipment used at the stations or platforms
- Shunting and marshalling requirements
- Maximum urban passenger train lengths
- Problems that may occur when planning urban passenger train consists and appropriate action that can be taken to resolve the problems
- Documentation and reporting requirements for the planning of urban passenger train consists

Required skills:

- Read and interpret instructions, procedures and information relevant to the planning of urban passenger train consists
- Interpret timetables, and time graphs and diagrams
- Complete documentation related to the planning of urban passenger train consists
- Operate electronic communication equipment to required protocol
- Work collaboratively with others when planning urban passenger train consists
- Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others
- Promptly report and/or rectify any identified problems that may arise when planning urban passenger train consists in accordance with regulatory requirements and workplace procedures
- Implement contingency plans for unanticipated situations that may arise when planning urban passenger train consists
- Apply precautions and required action to minimise, control or eliminate hazards that may exist during work activities
- Plan passenger support services including transit arrangements
- Monitor work activities in terms of planned schedule
- Modify activities depending on differing operational contingencies, risk situations and environments
- Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment
- Select the most cost effective motive power units and carriages to provide required urban passenger train services
- Adapt to differences in equipment in accordance with standard operating procedures

Required skills:

- Select and use personal protective equipment conforming to industry and OH&S standards

Evidence Guide

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:
 - the underpinning knowledge and skills
 - relevant legislation and workplace procedures
 - other relevant aspects of the range statement

Context of and specific resources for assessment

- Performance is demonstrated consistently over a period of time and in a suitable range of contexts
- Resources for assessment include:
 - a range of relevant exercises, case studies and/or other simulated practical and knowledge assessment, and/or
 - access to 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

- Assessment of this unit must be undertaken by a registered training organisation
- As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests
- Practical assessment must occur:
 - through activities in an appropriately simulated environment at the registered training organisation, and/or

EVIDENCE GUIDE

- in an appropriate range of situations in the workplace

Range Statement

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.

Operations may be conducted:	• in a range of work environments, spaces and weather conditions • by day or night.
Passenger resources may include:	• resources required at embarkation • resources required at disembarkation • resources required during transit
Urban passenger train stopping and loading patterns may include:	• urban trains frequently stopping at urban stations and for short duration • express urban trains stopping infrequently and only at specific stations
Other passenger services may include::	• those provided by own organisation • other private and public transport providers using train, tram, bus, ferry, ship, air or road vehicular travel services
Train details include:	• running times of urban trains • factors affecting passenger load capacity for all relevant urban train services provided
Consultative processes may involve:	• other employees • supervisors and managers • customers
Communication in the work area may include:	• phone • electronic data interchange (EDI) • fax • email • internet • RF systems • oral, aural or signed communications
Personal protective equipment may include:	• gloves • safety headwear and footwear • safety glasses • two-way radios

RANGE STATEMENT

Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:

Information and documents may include:

Applicable legislation, regulations and codes may include:

- high visibility clothing
- company procedures
- enterprise procedures
- organisational procedures
- established procedures
- applicable legislated rail safety requirements including acts and regulations from each state and territory together with any nationally approved compliance codes and/or guidelines relevant to urban passenger train movements
- workplace procedures and policies related to the planning of urban passenger train consists
- all forms of documentation used by the workplace for planning train support activities, including passenger booking and follow-up documentation
- operations manuals, job specifications and induction documentation
- conditions of service, award, enterprise bargaining agreement, and other industrial arrangements
- relevant Australian standards and certification requirements
- quality assurance procedures
- emergency procedures
- applicable legislated rail safety requirements including acts and regulations from each state and territory together with any nationally approved compliance codes and/or guidelines

Unit Sector(s)

Not Applicable

Competency Field

Competency Field

L - Resource Management