



Australian Government

Department of Education, Employment and Workplace Relations

TLIL3054A Plan freight train consists

Release: 1

TLIL3054A Plan freight train consists

Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to plan freight train consists in accordance with regulatory and workplace requirements, including identifying freight requirements and resources; and planning consists and loads for freight 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 freight 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 freight requirements and resources	1.1 Regular bookings for account customers for normal rail services are confirmed and details are forwarded to operations control 1.2 Additional bookings for non-account customers are clarified with the customer and confirmation of bookings and freight train details are provided to the customer 1.3 Details of regular and additional rail services, including planned running times, rolling stock and capacities, are confirmed 1.4 After a period of non-contact, radio or other electronic contact is checked to ensure effective operation in accordance with standard operating procedures
2 Plan consists and loads for freight trains	2.1 Consists are planned, taking into account the need to move freight efficiently within constraints of wagon availability, motive power availability, personnel availability, track layout, track condition, gauge and weight 2.2 Confirmed loads are allocated to suitable wagons and located within freight train consist to suit priorities 2.3 Dangerous goods are identified for labelling and are located within the freight train consist as required under appropriate legislation and operational requirements 2.4 Consists are planned to meet all requirements during planned movement of freight within and across the boundaries controlled by other organisations 2.5 Details of freight train consists are forwarded to yard/terminal operations for freight loading planning purposes 2.6 Maximum tonnage and freight train is identified and details forwarded for motive power allocation

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
- Relevant OH&S and environmental protection procedures and guidelines
- Workplace procedures and policies for the planning of freight train consists
- Focus of operation of work systems, equipment, management and site operating systems for

REQUIRED KNOWLEDGE AND SKILLS

the planning of freight train consists

- Appropriate freight train consists and classes of freight trains
- Platform and station details
- Signalling equipment used at the stations or platforms
- Shunting and marshalling requirements
- Track knowledge including gradients, speeds, maximum freight train lengths, height and width, for all sections of track to be used for the rail service offered by the organisation
- Capacities of motive power units to haul loads
- Problems that may occur when planning freight train consists and appropriate action that can be taken to resolve the problems
- Documentation and reporting requirements for the planning of freight train consists

Required skills:

- Read and interpret instructions, procedures and information relevant to planning freight train consists
- Interpret timetables, and time graphs and diagrams
- Complete documentation related to the planning of freight train consists
- Operate electronic communication equipment to required protocol
- Work collaboratively with others when planning freight 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 freight train consists in accordance with regulatory requirements and workplace procedures
- Implement contingency plans for unanticipated situations that may arise when planning freight train consists
- Apply precautions and required action to minimise, control or eliminate hazards that may exist during work activities
- Plan freight 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 or locomotive(s) and wagons to provide required freight train services
- Adapt to differences in equipment in accordance with standard operating procedures
- Select and use required 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
 - 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.

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| Operations may be conducted: | <ul style="list-style-type: none">• in a range of work environments, spaces and weather conditions• by day or night. |
| Freight rail services include: | <ul style="list-style-type: none">• normal or standard rail freight services• special freight services offered to key account customers• rail freight services integrated with other freight handling and delivery services |
| Freight train details include: | <ul style="list-style-type: none">• running times• factors affecting load capacity for all relevant freight train services provided |
| Consultative processes may involve: | <ul style="list-style-type: none">• other employees• supervisors and managers• customers |
| Communication in the work area may include: | <ul style="list-style-type: none">• phone• electronic data interchange (EDI)• fax• email• internet• RF systems• oral, aural or signed communications |
| Personal protective equipment may include: | <ul style="list-style-type: none">• gloves• safety headwear and footwear• safety glasses• two-way radios• high visibility clothing |
| Depending on the type of organisation concerned and the local terminology used, workplace procedures may include: | <ul style="list-style-type: none">• company procedures• enterprise procedures• organisational procedures• established procedures |
| Information and documents may include: | <ul style="list-style-type: none">• 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 freight train movements• workplace procedures and policies related to the planning of freight train consists• all forms of documentation used by the workplace for planning freight train support activities, including freight |

RANGE STATEMENT

- 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 legislation, regulations and codes may include:
- 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