



Australian Government

TLIL5070A Manage rail freight operations

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 manage rail freight operations. It includes preparing to manage rail freight operations, optimising rail freight operations, incorporating rail freight safety requirements into the organisational safety management system, and developing and implementing rail freight operations emergency response procedures in accordance with legislative, regulatory and organisational requirements.

Licensing or certification requirements are not applicable to this unit at the time of publication.

Application of the Unit

This unit covers applying knowledge of rail freight operations. It can be applied to both interstate and local freight rail systems.

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 Prepare to manage rail freight operations | <ul style="list-style-type: none">1.1 Goals of rail freight operations are identified and explained1.2 Principal factors involved in rail freight operations are identified and outlined1.3 Resources, equipment and relevant information for rail freight operations are identified and obtained1.4 Methods by which rail freight operations can be measured are identified and implemented1.5 Australian and international standards used in rail freight operations are identified, explained and followed |
| 2 Optimise rail freight operations | <ul style="list-style-type: none">2.1 Factors that contribute to optimal rail freight operations are identified and explained2.2 Strategies for ensuring optimal rail freight operations are maintained are developed and implemented2.3 Methods by which optimal rail freight operations can be measured are developed and applied2.4 Information and decision support systems that aid optimal rail freight operations are identified, explained and used |
| 3 Incorporate rail freight safety requirements into organisational safety management system | <ul style="list-style-type: none">3.1 Safety management system elements that contribute to rail freight operations are identified and explained3.2 Plans used to implement staff safeworking practices in freight operations are identified and explained3.3 Communication protocols used to implement plans for safe freight operations are identified, explained and applied3.4 Hardware equipment used in pro-active safe freight operations is identified, explained and accessed |

4 Develop and implement rail freight operations emergency response procedures

3.5 Staff resources used in safe freight operations are identified, explained, obtained and maintained

4.1 Emergency equipment used in event response confirmed and documented

4.2 Rail freight operations emergency response procedures are communicated to relevant personnel in accordance with organisational policies and procedures

4.3 Post event reporting requirements are identified, explained and documented

4.4 Rail freight operations emergency response training requirements are planned and actioned in accordance with organisational policies and procedures

Required Skills and Knowledge

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

Required knowledge:

- Changes in rail industry operations and technology with implications for rail freight operations
- Emergency management leadership or responsiveness protocols
- Key concepts and definitions relating to rail freight operations
- Key regulatory requirements and standards for participants in the rail industry
- Key principles and practices associated with rail freight operations
- Operational factors:
 - conditions of employment
 - crew availability
 - fatigue management requirements
 - fitness for work procedures
 - hazardous situations such as dealing with hazardous cargo
 - interface with loading and unloading operations
 - safeworking requirements
- Rail industry terminology, including terminology used in technical standards
- Rail regulatory framework
- Relevance of national and international standards related to the rail industry
- Relevant rail safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental legislation related to rail freight operations
- Train planning and management systems for freight operations

Required skills:

- Access and use rail industry standards
- Communicate effectively with others, particularly in relation to interpreting complex information relating to rail freight operations
- Develop and maintain currency of rail industry knowledge and regulatory requirements
- Network and build relationships with a diverse range of rail industry organisations
- Research information related to the rail industry and rail freight operations
- Review changing regulatory information
- Work ethically in accordance with legislation

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 competence in this unit must be relevant to and satisfy all of the requirements of the Elements, Performance Criteria, Required Skills, Required Knowledge and include demonstration of applying:

- required 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 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:

- 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

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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|--------------------------------------|--|
| Rail freight operations may include: | <ul style="list-style-type: none">• crew management• interface with maintenance activities• loading and unloading operations• response to emergency event management including responses to alarms from trains or trackside• train scheduling• yard and terminal management |
| Resources may include: | <ul style="list-style-type: none">• computer systems• equipment used for freight management (loading/unloading equipment)• equipment used for response situations• maintenance personnel• rolling stock/trains• train crew personnel• yard and terminal personnel |
| Information may include: | <ul style="list-style-type: none">• audit program information• compliance and enforcement regime• mine or port status and conditions• rail regulatory requirements• safety notices• schedule changes, reprioritisation |
| Safety requirements may include: | <ul style="list-style-type: none">• applying first aid or managing first aid resources• ensuring emergencies and incidents are properly managed• identifying and managing risk• protecting persons from injury• protecting property from damage• reporting requirements |
| Emergencies may include: | <ul style="list-style-type: none">• collisions• derailments• environmental pollution or contamination• equipment failures• non-lawful activities of public• personal injuries |

Unit Sector(s)

Not applicable.

Competency Field

L – Resource Management