



Australian Government

TLIL5069A Manage a rail yard or terminal

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 a rail yard or terminal. It includes preparing to manage the rail yard/terminal; overseeing rail yard/terminal operational requirements; overseeing resourcing; implementing the safety management system; and developing and implementing rail yard/terminal emergency procedure 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 can be applied to freight yards, marshalling yards, intermodal terminals, maintenance yards or private sidings.

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 yard/terminal | <ul style="list-style-type: none">1.1 Purpose of rail yard/terminal operations is identified and explained1.2 Principal factors involved in rail yard/terminal operations are identified and explained1.3 Methods by which rail yard/terminal operations can be measured are identified and implemented1.4 Functionality and operability of rail yard/terminal layout is explained1.5 Interfaces between rail transport operators who access or connect with the rail yard/terminal are explained1.6 Chain of responsibility requirements are explained |
| 2 Oversee rail yard/terminal operational requirements | <ul style="list-style-type: none">2.1 Factors that contribute to optimal rail yard/terminal capacity and operational requirements are identified and communicated to appropriate personnel2.2 Strategies for developing and maintaining optimal rail yard/terminal operational requirements are developed and implemented2.3 Methods by which optimal rail yard/terminal operational requirements can be measured are developed and applied2.4 Factors that could impact on scheduled activities are outlined and optimal rail yard/terminal operations and strategies to manage them are developed and implemented2.5 Relevant communication systems and protocols are identified and implemented2.6 Protocols for rolling stock arrivals or departures from the rail yard/terminal are developed and applied |
| 3 Oversee rail yard/terminal resourcing requirements | <ul style="list-style-type: none">3.1 Equipment required for rail yard/terminal operations is identified and obtained in accordance with organisational policies and procedures3.2 Contractor/external service requirements are documented and their work is supervised as required, in accordance with organisational policies and procedures3.3 Rail yard/terminal maintenance requirements are |

identified, arranged and supervised in accordance with organisational policies and procedures

3.4 Responsibilities at interfaces with other rail transport operators are defined and allocated in accordance with regulatory and organisational policies and procedures

4 Implement the organisational safety management system

4.1 Organisational safety management system (SMS) local safety requirements are identified, and managed in accordance with organisational policies and procedures

4.2 Rail yard/terminal safety plans are identified, confirmed as appropriate and communicated to relevant personnel in accordance with organisational policies and procedures

4.3 Required safety equipment is confirmed and arranged in accordance with organisational policies and procedures

4.4 Movement of vehicles within rail yard/terminal is monitored to ensure compliance with SMS

4.5 Integrity of vehicles programmed for movements is monitored and suitable risk controls are applied to enable movements to proceed

4.6 Individual worksite areas within rail yard/terminal are protected to ensure they can be isolated safely

4.7 Stabling of vehicles within rail yard/terminal is monitored to ensure compliance with SMS

4.8 Contractor/visitor access protocols are implemented and communicated to relevant personnel in accordance with organisational policies and procedures

4.9 Security systems and protocols are identified, implemented and monitored in accordance with organisational policies and procedures

5 Develop and implement rail yard/terminal emergency procedures

5.1 Rail yard/terminal emergency equipment requirements are confirmed and documented

5.2 Rail yard/terminal hazards are identified, risks are assessed, and risk controls are developed and documented

5.3 Rail yard/terminal emergency response procedures is communicated to relevant personnel in accordance with

organisational policies and procedures

- 5.4 Evacuation drills and debriefings are arranged in accordance with organisational policies and procedures
- 5.5 Issues arising from evacuation drills and/or debriefings are identified and addressed

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 yard/terminal operations
- Key principles and practices associated with rail yard/terminal operations
- Key regulatory requirements and standards for participants in the rail industry
- Rail industry terminology, including terminology used in technical standards
- Relevant information:
 - audit program information
 - changes to regulations
 - compliance and enforcement regime
 - rail regulatory requirements
 - safety notices
- 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 yard/terminal operations
- Safeworking systems used within and interfacing with, rail yard/terminal operations
- Types of vehicles within rail yards/terminals

Required skills:

- Access and use rail industry standards
- Communicate effectively with others and interpret complex information relating to rail yard/terminal operations and interfacing rail network/s
- Develop and maintain currency of rail industry knowledge and regulatory requirements
- Research information related to the rail industry and rail yard/terminal operations
- Review changing regulatory information
- Work ethically and 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, 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.

- Rail yards/terminals may include:
- freight terminals
 - intermodal terminals
 - marshalling yards
 - rolling stock maintenance yards
 - private sidings
- Rail yard/terminal layout must include:
- rail infrastructure capacities
 - stop boards and speed boards
 - types of operations being carried out
 - yard limits
- Rail transport operators may include:
- freight operators
 - rail infrastructure manager
 - rail passenger operators
 - rolling stock owners
- Personnel may include:
- contractors
 - maintenance staff
 - security staff
 - shunting staff
 - train crews
- Resources may include:
- equipment
 - maintenance personnel
 - rolling stock
 - tractors
 - yard personnel
- Vehicles may include:
- trains
 - locomotives
 - trams/light rail cars
 - wagons
 - tractors
 - road vehicles
 - hi-rail vehicles
 - track maintenance vehicles
 - track plant
- Visitors may include:
- auditors
 - contractors
 - regulators
- Safety requirements may include:
- ensuring emergencies and incidents are properly managed

Emergencies may include:

- identifying and managing risk
- protecting persons from injury
- protecting property from damage
- collisions
- derailments
- equipment failures
- personal injuries

Unit Sector(s)

Not applicable.

Competency Field

L – Resource Management