



Australian Government

TLIL5072A Manage rail yard 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 yard operations. It includes preparing to manage rail yard operations, optimising rail yard operations, managing rail yard resourcing requirements, incorporating rail yard safety requirements into the organisational safety management system, and implementing rail yard emergency procedures.

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

1 Prepare to manage rail yard operations

- 1.1 Purpose of rail yard operations are identified and explained
- 1.2 Principal factors involved in rail yard operations are identified and explained
- 1.3 Methods by which rail yard operations can be measured are identified and implemented
- 1.4 Rail yard layout, including yard limits and types of operations being carried out are identified and explained

2 Optimise rail yard operations

- 2.1 Factors that contribute to optimal rail yard operations are identified and explained
- 2.2 Strategies for ensuring optimal rail yard operations are maintained are developed and implemented
- 2.3 Methods by which optimal rail yard operations can be measured are developed and applied
- 2.4 Factors that could impact on scheduled activities and optimal rail yard operations are outlined
- 2.5 Relevant communication systems and protocols are identified, explained and implemented

3 Manage rail yard resourcing requirements

- 3.1 Resources required for planned rail yard operations are identified, explained and obtained
- 3.2 Personnel required for planned rail yard operations are identified and acquired
- 3.3 Contractor/external service requirements are identified and monitored in accordance with organisational policies and procedures
- 3.4 Rail yard maintenance requirements are identified and actioned in accordance with organisational policies and procedures

4 Incorporate rail yard safety requirements into organisational safety management system

- 4.1 Safety management system (SMS) elements that contribute to rail yard operations are identified and explained
- 4.2 Rail yard safety plans are identified, explained

and implemented

4.3 Safety equipment is identified and maintained

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

4.5 Contractor/visitor access protocols are identified, explained and implemented to ensure compliance with SMS

4.6 Security systems and protocols are identified and implemented

5 Implement rail yard emergency procedures

5.1 Rail yard emergency equipment requirements are identified

5.2 Rail yard emergency equipment is maintained

5.3 Rail yard emergency response procedures are identified, explained and conveyed to relevant people

5.4 Evacuation drills and debriefings are participated in as required

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 operations
- Key principles and practices associated with rail yard operations
- Key regulatory and standards for participants in the rail industry
- Rail industry terminology, including terminology used in technical standards
- Rail regulatory framework
- Relevant information:
 - audit program information
 - changes to regulations
 - compliance and enforcement regime
 - rail regulatory requirements
 - safety notices
- Relevant rail safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental legislation related to rail yard operations
- Relevance of national and international standards related to the rail industry
- Safeworking systems used within rail yard operations
- Types of vehicles within rail yards

Required skills:

- Access and use rail industry standards
- Communicate effectively with others, particularly in relation to interpreting complex information relating to rail yard operations
- Develop and maintain currency of rail industry knowledge and regulatory requirements
- Research information related to the rail industry and rail yard 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, 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 may include:
- freight terminals
 - intermodal terminals
 - marshalling yards
 - private sidings
 - rolling stock maintenance yards
- Resources may include:
- equipment
 - maintenance personnel
 - rolling stock
 - tractors
 - yard personnel
- Personnel may include:
- contractors
 - maintenance staff
 - security staff
 - shunting staff
 - train crews
- Vehicles may include:
- hi-rail vehicles
 - locomotives
 - road vehicles
 - tractors
 - trains
 - trams/light rail cars
 - wagons
- Visitors may include:
- auditors
 - contractors
 - regulators
- Safety requirements may include:
- ensuring emergencies and incidents are properly managed
 - identifying and managing risk
 - protecting persons from injury
 - protecting property from damage
- Emergencies may include:
- collisions
 - derailments
 - equipment failures
 - personal injuries

Unit Sector(s)

Not applicable.

Competency Field

L – Resource Management