



Australian Government

TLIC0030 Pilot rail traffic with due consideration of route conditions

Release: 1

TLIC0030 Pilot rail traffic with due consideration of route conditions

Modification History

Release 1. This is the first release of this unit of competency in the Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to pilot rail traffic with due consideration of route conditions in accordance with system of safeworking, regulatory requirements and workplace procedures.

For this unit, a pilot is defined as a route current qualified worker, who accompanies, directs and advises rail traffic crew about track works, speed restrictions, signal locations, wayside equipment, station locations and other aspects that may affect operation of rail traffic based on known performance of rolling stock.

It includes identifying route and safeworking requirements, applying route knowledge in planning and communicating a rail traffic movement, and using route knowledge during a rail traffic movement in accordance with workplace requirements and rail network standards.

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements and to comply with relevant codes of practice and/or guidelines.

Work is generally performed without supervision and within a team environment. It involves the application of routine operational principles and procedures when accompanying and guiding rail traffic with due consideration of route conditions as part of workplace activities across a variety of operational contexts within the Australian rail system.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

C – Vehicle Operation.

Unit Sector

Rail sector.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Deliver rail traffic crew briefing

- 1.1** Qualified worker is selected and tasked according to circumstances and given appropriate equipment and authority to act in accordance with workplace procedures, rail movement plan, system of safeworking and codes of practice
- 1.2** Purpose of rail movement, track works, speed restrictions, signal locations, wayside equipment, station locations and other aspects that may affect operation of rail traffic are identified in accordance with workplace procedures, rail movement plan, system of safeworking and codes of practice
- 1.3** Rolling stock capacity and consist are determined and considered during the rail movement
- 1.4** Purpose of briefing is conveyed to rail traffic crew
- 1.5** Information is presented in accordance with rail movement plan and workplace procedures
- 1.6** Information is delivered clearly and concisely
- 1.7** Appropriate questioning techniques are used to confirm understanding

2 Use route knowledge during rail traffic movement

- 2.1** Route information is provided to rail traffic crew during a rail traffic movement in accordance with rail movement plan, workplace procedures, system of safeworking and codes of practice
- 2.2** Hazardous situations along rail traffic route are recognised and advised to the rail traffic crew during the movement in a timely manner
- 2.3** Factors that impact on safe rail traffic operations are continuously monitored
- 2.4** Situational awareness is applied through effective visual scans, use of communication systems, use of rail traffic information and use of system of safeworking, in accordance with workplace procedures

- 2.5 Timely communications are maintained with traffic crew and/or network control officer and other relevant personnel during rail traffic movement in accordance with rail movement plan, codes of practice, system of safeworking and workplace procedures
 - 2.6 Rail traffic work activity is organised and carried out with rail traffic crew and relevant personnel, and tasks are sequenced and facilitated
 - 2.7 Network control officer information and other instructions are received, interpreted and applied to ensure safe and effective operation of rail traffic
- 3 Apply safety critical communication during rail traffic movement**
- 3.1 Location information is clearly communicated and clarified during rail traffic movement
 - 3.2 Rail network condition advice is provided and confirmed by acknowledgment
 - 3.3 Changes in operational status of communication facilities affecting network operations are provided during rail traffic movement
 - 3.4 Safety critical information is exchanged clearly and in a timely manner in accordance with rail movement plan, safety management system and regulatory requirements
 - 3.5 Communication between network control officer, rail traffic crew and pilot are received, confirmed, acknowledged and appropriate actions taken
 - 3.6 Standard phrases are used in accordance with communication protocols
 - 3.7 Concise and unambiguous standard phrases are used
 - 3.8 Active listening is maintained for all communication
 - 3.9 Delivery of voice messages is adjusted to suit receiver
 - 3.10 Communication protocols are followed
 - 3.11 Most effective communications method is used
 - 3.12 Handover or takeover is performed to achieve continuity of teamwork and service in accordance with workplace procedures, rail movement plan, system of

safeworking and codes of practice

- 3.13** Rail operations information is issued and recorded in accordance with the workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This is a new unit. No equivalent unit.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>

Assessment Requirements for TLIC0030 Pilot rail traffic with due consideration of route conditions

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least two separate occasions and include:

- allocating attention according to priorities
- applying system of safeworking and workplace procedures when piloting rail traffic
- applying rail movement plan
- briefing rail traffic crews
- challenging communication errors including safety critical errors, incomplete, unclear or ambiguous information
- committing to action by completing rail movement plan and taking appropriate actions to implement the plan
- communicating in a team by exchanging information through assigning responsibility and acknowledging communication content
- demonstrate in-field leadership by:
 - adjusting to rail traffic crew contributions
 - engaging rail traffic crew in seeking their input
 - providing constructive feedback to confirm commitment and alignment for each worker to the rail movement plan
- identifying job hazards, unsafe situations and taking required actions to minimise, control or eliminate identified hazards
- identifying and considering the rail traffic movement, rolling stock and intended movement
- staying focused by allocating attention according to safety, effectiveness, efficiency and rail movement plan priorities
- using concise and unambiguous standard phrases.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- briefing information and protocols
- principles of effective communication including:

- active listening techniques
- questioning techniques to obtain information and/or to clarify information and understanding
- two-way communications
- procedures for:
 - safety critical communications including active listening, concise and unambiguous standard phrases
 - emergency management procedures for identified abnormal or unsafe situations
 - identifying and/or anticipating route problems and related actions that can be taken
- rail movement plan
- system of safeworking, workplace procedures, rules and rail network standards
- terminology and phrases used in industry.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate rail corridor workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation including workplace procedures, codes of practice and rail network standards.

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