



Australian Government

TLIC2081A Pilot rail traffic within work on track authority limits

Release 1

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Modification History

Release 1 - New unit of competency

Unit Descriptor

This unit involves the skills and knowledge required to pilot rail traffic within Work on Track Authority limits in accordance with Access Provider, legislative and regulatory requirements. Licensing or certification requirements are not applicable to this unit.

Application of the Unit

People achieving competence in this unit will need to fulfil the legislated rail safety requirements including acts and regulations from the applicable state or territory together with any nationally approved compliance codes and/or guidelines.

The unit includes the application of Access Provider rules, procedures and protocols for rail safety.

All activities are performed under established rules and procedures.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

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 Enter Work on Track Authority limits

1.1 Protection Officers (PO)/Possession Protection Officers (PPO) are informed that rail traffic has arrived at the Work on Track Authority limits and confirmation that it is safe to enter is sought and obtained

1.2 Permission to enter Work on Track Authority limits is documented in accordance with access provider and/or organisational requirements

1.3 Authority to enter track protection is provided to rail traffic driver

1.4 Rail traffic is piloted into the Work on Track Authority limit

1.5 Advice regarding any operating restrictions and conditions is given to rail traffic crew

2 Exit Work on Track Authority limits

2.1 Rail traffic is piloted to limit of the Work on Track Authority limits

2.2 Permission is obtained from network control officer for rail traffic to exit the Work on Track Authority limits

Required Skills and Knowledge

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

Required knowledge:

- Access Provider and organisational policies, procedures and protocols
- Access Provider policies, procedures and protocols for identified unsafe situations or emergencies within workplace role
- Access Provider rules and procedures for working around electrical infrastructure
- Audible warning equipment, use and when applicable
- Rail terminology as defined by the applicable access provider
- Operational communication protocols and systems
- Worksite protection plan

Required skills:

- Apply procedures for the use of railway track signals, when applicable
- Communicate effectively with individuals and work groups
- Follow workplace policies, procedures and protocols
- Identify unsafe situations and emergencies
- Use required personal protective equipment conforming to Access Provider requirements

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 required knowledge and skills
 - relevant workplace rules and procedures
- Assessment must include exercises which demonstrate competent performance of the following in a range of situations:
 - explaining procedures for granting permission for rail traffic to enter Work on Track Authority limit
 - piloting rail traffic within the Work on Track Authority limit

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 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 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.

- Worksites may include:
- rail corridor
 - danger zone:
 - running line
 - parallel networks (adjacent access providers, shared corridor)
 - adjacent lines
 - sidings/yards
 - platforms/buildings
 - structures
- Terminology used will be:
- as defined by the Access Provider
- Work may occur:
- under varied visibility conditions
- Safety assessment will be:
- as defined within workplace procedures
 - as defined in the safety assessment work including:
 - view - line of sight
 - direction of approaching rail traffic
 - speed of approaching rail traffic
 - position of safety
 - changed local conditions
- Communications may include:
- receiving and passing on verbal messages/information
 - reporting unsafe situations and responding to emergencies
 - general safety and emergency messages
- Communications equipment and systems may include:
- hand and audible signals
 - two-way radio
 - telephone/mobile phone
 - signage
- Communication protocols may include:
- general safety
 - transmitting and receiving messages:
 - identification
 - standard radio terms
 - phonetic alphabet
 - testing communications equipment
 - emergency messages
- Network control officer may be:
- network controller
 - train controller
 - area controller

- signaller
 - high visibility clothing
 - protective footwear
 - hearing protection
 - warning devices, whistles and sirens
 - railway track signals
 - demarcation barriers
 - lights and flags
 - electronic devices
 - signage
 - workplace procedures, policies and work instructions
 - emergency plan
 - pre-work briefing
 - worksite protection plan
 - risks to the individual
 - risks to the public
 - risks to rail traffic
 - risks to the physical assets of the network
 - defining the limits of the worksite
 - identifying safe places
 - identifying positions for inner/outer hand/signaller
 - identifying positions for lookouts
 - identifying level and pedestrian crossings
 - identifying fixed rail infrastructure including:
 - signals
 - overhead structures
 - bridges/tunnels
 - turn outs
 - minimum sighting distances
 - parallel lines
 - verbal instructions to rail traffic crew
 - verbal communication with PO/PPO
- Safety clothing and equipment may include:
- Where applicable, worksite protection equipment may include:
- Information and documents may include:
- Unsafe situations may include:
- Worksite protection plan may include:
- Piloting may include:

Unit Sector(s)

Not applicable.

Competency Field

C – Vehicle Operation