



Australian Government

Department of Education, Employment and Workplace Relations

TLIL3069A Implement track blocking protection

Release: 1

TLIL3069A Implement track blocking protection

Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to apply track blocking protection for the infrastructure and work group on a rail network during rail work activities by utilising a signal system managed by a network control officer, in accordance with legislative and regulatory requirements. It includes following policies, procedures and protocols of the access provider. Licensing or certification requirements are not applicable to this unit.

Application of the Unit

Application of the Unit

Persons 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.

It involves the application of access provider's policies, procedures and protocols related to applying rail safety requirements to work activities.

Work is performed following established procedures, with accountability and responsibility for self and others in achieving the prescribed outcomes within the limits of responsibility of the worker concerned.

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Not Applicable

Employability Skills Information

Employability Skills

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

ELEMENT	PERFORMANCE CRITERIA
1 Prepare for track blocking protection	1.1 The site safety plan is sourced and read for the terms of track blocking protection 1.2 Network control officer is notified of intention to block and to provide initial approval 1.3 The work group supervisor is advised of network control officer's decision
2 Issue track blocking protection permission	2.1 Permission to block is requested from network control officer 2.2 Permission to block track is documented in accordance with access provider's and/or organisational requirements 2.3 The work group supervisor is advised that blocking has been issued 2.4 Track blocking protection is monitored for effectiveness
3 Cancel track blocking protection	3.1 Communication is maintained with work group supervisor to confirm completion of work activity and track is safe for rail traffic 3.2 Permission to cancel track blocking protection is documented in accordance with access provider's and/or organisational requirements 3.3 Network control officer is informed of track block cancellation
4 Manage unsafe situations or emergencies	4.1 Unsafe situations and/or emergencies are identified 4.2 Work group is instructed to move to a safe place 4.3 Appropriate action is taken to minimise risk and/or injury in accordance with workplace procedures 4.4 Emergencies and/or incidents are recorded and reported to relevant personnel in accordance with workplace procedures

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

This describes the essential knowledge and skills and their level required for this unit.

Required knowledge:

- Access provider's and organisational policies, procedures and protocols
- Rail terminology as defined by the applicable access provider
- Access provider's policies, procedures and protocols in the event of identified unsafe situations or emergencies within workplace role

REQUIRED KNOWLEDGE AND SKILLS

- Site safety plans
- Operational communication protocols and systems
- Types of track protection
- Types of track blocking signal systems
- Track blocking documentation

Required skills:

- Communicate effectively with individuals and workgroups
- Follow workplace policies, procedures and protocols
- Use required personal protective equipment conforming to organisational standards
- Identify unsafe situations and emergencies
- Implement site safety plans
- Recognise the difference between permissive and absolute signals
- Complete track blocking documentation

Evidence Guide

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 underpinning knowledge and skills
 - relevant legislation and workplace procedures
 - other relevant aspects of the range statement
 - the timeframes typically expected for the work function and industrial environment
- Compliance with site safety plans, OH&S regulations and other regulatory requirements
- Assessment must include exercises which demonstrate competent performance of the following in a range of situations:
 - explaining and demonstrating how to implement site

EVIDENCE GUIDE

	- safety plan - demonstrating notifying a network control officer of intention to block - issuing track blocking protection permission - monitoring track blocking for effectiveness - explaining and demonstrating how to cancel track blocking protection permission
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 this unit must be undertaken by a registered training organisation - Assessment of knowledge must be conducted through appropriate written/oral tests - Practical assessment must occur: - through activities in an appropriately simulated environment, and - in an appropriate range of situations in the workplace

Range Statement

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
------------------------	--

RANGE STATEMENT

	• parallel networks (adjacent access providers, shared corridor) • adjacent lines • sidings/yards • platforms/buildings • structures
Terminology will be:	• as defined by the applicable track safeworking system and operating procedures
Work may occur:	• by day or night, under varied weather conditions and situations
Situational awareness will be:	• as defined within the workplace procedures • as defined in the risk assessment for situational awareness including: • view - line of sight • direction of approaching trains • speed of approaching trains • position of safety • changed local conditions
Communications may include:	• receive and pass on verbal messages/information • report unsafe situations and respond to emergencies • general safety and emergency messages
Network control officer may be:	• network controller • train controller • area controller • signaller
Communications equipment and systems may include:	• hand and audible signals • radios • telephones/mobile phones • signage
Safety clothing and equipment may include:	• high visibility clothing • protective footwear • hearing protection
Where applicable, worksite protection equipment may include:	• warning devices, whistles and sirens • audible track warning devices • demarcation barriers • lights and flags • electronic devices
Information and documents may include:	• workplace procedures, policies and work instructions • worksite safety plan

RANGE STATEMENT

Characteristics of track worksite may include:

- emergency plan
- pre-work briefing
- worksite protection plan
- location
- cuttings and embankments
- speed and density of adjacent traffic
- parallel networks (adjacent access providers, shared corridor)
- electrified network
- track circuits
- level and pedestrian crossings
- limits of worksite
- visibility
- the work will affect track under the control of other access providers
- multiple work activities

Site safety plans may include:

- define the boundaries
- identify positions of safety
- identify level and pedestrian crossings
- identify fixed rail infrastructure including:
 - signals
 - overhead structures
 - bridges/tunnels
 - turn outs
- minimum sighting distances
- parallel lines

Track blocking signal systems may include:

- absolute signal
- controlled signal

Unit Sector(s)

Not Applicable

Competency Field

Competency Field

L - Resource Management