



Australian Government

TLIL3082A Implement absolute signal blocking

Release 1

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Modification History

Release 1 - New unit of competency

This unit replaces and is equivalent to TLIL3069A Implement track blocking protection.

Unit Descriptor

This unit involves the skills and knowledge required to apply absolute signal blocking (ASB) 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 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 but does not include the implementation of worksite protection.

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 Prepare for absolute signal blocking protection	1.1	Worksite protection plan is sourced and read for the terms of ASB protection
	1.2	Network control officer is notified of intention to use ASB protection
	1.3	Protection officer is advised of network control officer's decision
2 Apply absolute signal blocking protection	2.1	Permission to apply ASB is requested from network control officer
	2.2	Permission to apply ASB is documented in accordance with Access Provider and/or organisational requirements
	2.3	Protection officer is advised that ASB has been applied
3 Ending absolute signal blocking protection	3.1	Communication is maintained with the network control officer to confirm completion of work activity and track is safe for rail traffic
	3.2	Permission to remove ASB protection is documented in accordance with Access Provider and/or organisational requirements
	3.3	Network control officer is informed of completion of work
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

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

Required knowledge:

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

Required skills:

- Communicate effectively with individuals and work groups
- Complete track blocking documentation
- Follow workplace policies, procedures and protocols
- Implement worksite protection plans
- Identify unsafe situations and emergencies
- Recognise the difference between permissive and absolute signals
- Use appropriate 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 and demonstrating how to implement site safety plan
 - requesting ASB protection from a network control officer
 - explaining how to end the use of ASB protection

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
 - 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 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
- Safety assessments will be:
- as defined within the workplace procedures
 - as defined in the safety assessment for work including:
 - view - line of sight
 - direction of approaching rail traffic
 - speed of approaching rail traffic
 - safe place
 - 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
- Network control officer may be:
- network controller
 - train controller
 - area controller
 - signaller
- Communications equipment and systems may include:
- 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
 - railway track signals
 - demarcation barriers
 - lights and flags

- Information and documents may include:
- electronic devices
 - workplace procedures, policies and work instructions
 - emergency plan
 - pre-work briefing
 - worksite protection plan
- Characteristics of track worksite may include:
- 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
 - work affecting track under the control of other access providers
 - multiple work activities
- Worksite protection plans may include:
- defining the limits of the worksite
 - identifying safe places
 - identifying level and pedestrian crossings
 - identifying fixed rail infrastructure including:
 - signals
 - overhead structures
 - bridges/tunnels
 - turn outs
 - minimum sighting distances
 - parallel lines

Unit Sector(s)

Not applicable.

Competency Field

L – Resource Management