



Australian Government

Department of Education, Employment and Workplace Relations

TLIL3066A Control operational rail traffic through worksites

Release: 1

TLIL3066A Control operational rail traffic through worksites

Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to control operational rail traffic through worksites to provide protection for the infrastructure and/or work groups on a rail network during rail work activities, 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 under instruction using 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 Identify site protection requirements	1.1 Site safety plan is developed or obtained from relevant personnel and, where necessary, explanation is sought 1.2 Responsibilities of protection officer for site protection are identified from the site safety plan 1.3 Network control officer is notified of intention to obstruct track for work activity and to provide initial approval 1.4 The work group supervisor is advised of network control officer's decision 1.5 Tools and equipment required for site protection are identified, obtained and checked for functional condition 1.6 Type of protection and placement is explained to work group at pre-start briefing 1.7 Work group are informed of their responsibilities for their own safety
2 Set out protection	2.1 Set-out of protection is determined in accordance with plan and workplace procedures 2.2 A situational awareness is conducted to identify potential risks 2.3 Where protection positions are identified as unsafe and/or ineffective they are reported and rectified in accordance with workplace procedures 2.4 Appropriate warning equipment is placed in accordance with workplace procedures 2.5 Effectiveness of protection and communication protocols are confirmed
3 Coordinate protection of worksite	3.1 Vigilance is maintained and protection officer is alerted to approaching rail traffic in accordance with workplace procedures 3.2 Work group is instructed to move to a safe place prior to passage of rail traffic 3.3 Track is safe for passage of rail traffic is confirmed with work group supervisor 3.4 Instructions are issued to rail traffic in accordance with workplace procedures 3.5 Work group is instructed to return to worksite on clearance of rail traffic from worksite 3.6 Protection, placement and equipment is continually monitored for effectiveness 3.7 Communication is conducted with work group supervisor to confirm that work activity is complete and track is safe 3.8 Network control officer is advised that track is safe

ELEMENT**PERFORMANCE CRITERIA****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
- Audible warning equipment and its use, if applicable
- Site safety plans
- Equipment available for worksite protection
- Hand, light and flag signals as used by day or night
- Positioning requirements for hand signallers
- Operational communication protocols and systems

Required skills:

- Operate electronic communication equipment to required protocol
- Apply procedures for the use of audible track warning devices, if applicable
- Communicate effectively with individuals and work groups
- Follow workplace policies, procedures and protocols
- Conduct a situational awareness assessment
- Use required personal protective equipment conforming to organisational standards
- Identify unsafe situations and emergencies
- Effectively place protection

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:
 - reading and interpreting responsibilities for site protection from site safety plan
 - identifying appropriate resources for site protection
 - conducting pre-start briefing for work group
 - determining and setting out protection
 - conducting a situational awareness
 - coordinating protection as rail traffic travels through worksite
 - explaining how to manage unsafe situations and emergencies

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

EVIDENCE GUIDE

	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 • parallel networks (adjacent access providers, shared corridor) • adjacent lines • sidings/yards • platforms/buildings • structures
Terminology used will be:	• as defined by the applicable track safeworking system and operating procedures
Work may occur:	• under varied visibility conditions
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

RANGE STATEMENT

Communications equipment and systems may include:	• hand and audible signals • two-way radio • telephone/mobile phone • 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
Network control officer may be:	• network controller • train controller • area controller • signaller
Information and documents may include:	• workplace procedures, policies and work instructions • worksite safety plan • emergency plan • pre-work briefing • worksite protection plan
Unsafe situations may include:	• risks to the individual • risks to the public • risks to rail traffic • risks to the physical assets of the network
Audible track warning devices may be known as:	• railway track signals • detonators
Audible warning equipment may include:	• horn • whistle
Communication protocols may include:	• general safety • transmitting and receiving messages: • identification • standard radio terms • phonetic alphabet • testing communications equipment • emergency messages
Site safety plans may include:	• defining the boundaries • identifying positions of safety

RANGE STATEMENT

Principles for protection placement may include:

- identifying positions for inner/outer handsignaller and lookouts
- identifying level and pedestrian crossings
- identifying fixed rail infrastructure including:
 - signals
 - overhead structures
 - bridges/tunnels
 - turn outs
- minimum sighting distances
- parallel lines
- meaning of:
 - inner
 - outer
 - intermediate
- hand signals
- train speeds
- line of sight
- location conditions
- characteristics of the worksite
- multiple work activities
- type of work activity

Unit Sector(s)

Not Applicable

Competency Field

Competency Field

L - Resource Management