



Australian Government

TLIL4069A Plan and coordinate protection for multiple worksites within limits of a work on track authority

Release 1

TLIL4069A Plan and coordinate protection for multiple worksites within limits of a work on track authority

Modification History

Release 1 - New unit of competency

This unit replaces and is equivalent to TLIL4068A Plan and coordinate track protection for multiple work groups.

Unit Descriptor

This unit involves the skills and knowledge required to plan and coordinate worksite protection for multiple worksites within the limits of a Work on Track Authority. The track protection requirements may involve long-term planning and consultation with a number of stakeholders.

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 Identify protection requirements for multiple worksites

- 1.1 Nature and complexity of work to be performed within multiple worksites are identified
- 1.2 Worksite safety plan is developed in accordance with rules and procedures
- 1.3 Personnel and other resources required to undertake protection activities are identified according to worksite protection plan

2 Establish protection of multiple worksites

- 2.1 Detailed information on protection arrangements is provided to appropriate personnel and any issues raised are clarified and/or confirmed
- 2.2 Worksite protection plan is maintained to ensure protection is implemented correctly
- 2.3 Communication links with appropriate personnel are maintained
- 2.4 Rail movements through multiple work areas are coordinated
- 2.5 Establishment and removal of worksites is coordinated within Work on Track Authority limits
- 2.6 Worksite protection is deployed and removed in accordance with rules and procedures
- 2.7 Documentation is completed and maintained for worksite protection for the duration of the Work on Track Authority

3 Remove protection arrangements for multiple work groups

- 3.1 Notification of completed works and assurance that track is safe for passage of rail traffic is received from all protection officers in accordance with workplace procedures
- 3.2 Protection arrangements are removed in accordance with workplace procedures
- 3.3 Actions are documented 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
- Track possession documentation
- Types of track protection
- Worksite protection plans

Required skills:

- Analyse track work activities for complexity
- Communicate effectively with individuals and work groups
- Complete Work on Track Authority documentation
- Develop worksite protection plans
- Follow workplace policies, procedures and protocols
- Identify unsafe situations and emergencies
- 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:
 - analysing nature and complexity of a work program
 - demonstrating developing a worksite protection plan
 - explaining plan to stakeholders
 - managing a worksite plan with multiple worksites
 - explaining variations to plan that may need to be negotiated
 - demonstrating fulfilling worksite permits

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
 - 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

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 assessment 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 • safety places • changed local conditions
Network control officer may be:	• network controller • train controller • area controller • signaller
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 • radios • telephones/mobile phones • signage
Safety clothing and equipment may include:	• high visibility clothing • protective footwear • hearing protection
Where applicable, worksite protection equipment may	• warning devices, whistles and sirens • railway track signals • demarcation barriers

- include:
- lights, flags and signs
 - electronic devices
 - blocking facilities
- Information and documents may include:
- workplace procedures, policies and work instructions
 - emergency plan
 - pre-work briefing
 - worksite protection plan
 - worksite permit
- Work activity complexity may include:
- type of work to be undertaken
 - hand tools to be used
 - track vehicles
 - machinery
 - multiple worksites
 - rail traffic within or between worksite
- Characteristics of track worksite may include:
- location
 - cuttings and embankments
 - speed and density of adjacent traffic
 - parallel networks
 - 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
- Types of track protection may include:
- track occupancy authority
 - rail traffic control
 - planned track possession
 - blocking protection
- Worksite protection plans may include:
- defining the limits
 - identifying safe places
 - 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

Work on track authority
documentation may include:

- train notice
- work permits
- train register book
- forms

Multiple work teams may
include:

- track workers
- overhead workers
- signalling workers
- outside contractors
- electrical workers
- mechanised plant operators
- plant train operators

Stakeholders may include:

- protection officers
- possession protection officers
- work group supervisors
- engineers
- management
- outside contractors

Unit Sector(s)

Not applicable.

Competency Field

L – Resource Management