



Australian Government

Department of Education, Employment and Workplace Relations

TLIL4068A Plan and coordinate track protection for multiple work groups

Release: 1

TLIL4068A Plan and coordinate track protection for multiple work groups

Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to plan and coordinate track protection for multiple work groups operating within the limits of a work on track method on a rail network, in accordance with legislative and regulatory requirements. It includes identifying protection requirements, establishing and administering protection of multiple work groups, and removing protection arrangements. The track protection requirements may involve long-term planning and consultation with a number of stakeholders. 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 Identify protection requirements for multiple work groups	1.1 Nature and complexity of work to be performed by multiple work groups are identified 1.2 Personnel and other resources required to undertake protection activities are identified according to the scope of work and relevant documentation 1.3 Hazards are identified, risks are assessed and suitable protection controls are planned 1.4 A safety plan is developed in accordance with workplace procedures 1.5 Stakeholders are informed of plan and how protection is to be organised
2 Establish, and administer protection of multiple work groups	2.1 Detailed information on protection arrangements is provided to appropriate personnel and any issues raised are clarified and/or confirmed 2.2 Plan is monitored to ensure protection is implemented effectively 2.3 Communication links with appropriate personnel are maintained to ensure protection objectives align with work requirements throughout the life of the work program 2.4 Rail movements through multiple work areas are coordinated 2.5 Establishment and removal of multiple work areas is coordinated within the limits of the work on track method 2.6 Documentation is completed and maintained to meet reporting requirements in accordance with workplace procedures
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

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

REQUIRED KNOWLEDGE AND SKILLS

- Access provider's policies, procedures and protocols in the event of identified unsafe situations or emergencies within workplace role
- Site safety plans
- Operational communication protocols and systems
- Types of track protection
- Track possession documentation

Required skills:

- Communicate effectively with individuals and work groups
- Follow workplace policies, procedures and protocols
- Use required personal protective equipment conforming to organisational standards
- Identify unsafe situations and emergencies
- Analyse track work activities for complexity
- Develop site protection arrangements plans
- Complete track possession 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:

EVIDENCE GUIDE

- analysing nature and complexity of a work program
- demonstrating developing a site safety plan
- explaining plan to stakeholders
- administering and monitoring a site safety plan
- explaining variations to plan that may need to be negotiated
- demonstrating cancelling protection authorities

EVIDENCE GUIDE

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/or
 - 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

RANGE STATEMENT

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
Network Control Officer may be:	• network controller • train controller • area controller • signaller
Communications may include:	• receive and pass on verbal messages/information • report unsafe situations and respond 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 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 • emergency plan • pre-work briefing • worksite protection plan
Work activity complexity may include:	• type of work to be undertaken • hand tools to be used • track vehicles/track machines

RANGE STATEMENT

- machinery
- multiple work groups
- rail traffic within or between worksite

RANGE STATEMENT

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
- the work will affect track under the control of other access providers
- multiple work activities

Types of track protection may include:

- lookout
- track occupancy
- rail traffic control
- planned track possession
- blocking protection

Site protection arrangements plans may include:

- defining the boundaries
- identifying positions of safety
- 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

Track possession documentation may include:

- train notice
- permits
- track warrants
- train register book
- forms

Adjustments to track possession may include:

- extending time
- reducing time
- varying location

Multiple work teams may include:

- track workers
- overhead workers
- signalling workers
- outside contractors

RANGE STATEMENT

- Stakeholders may include:
- electrical workers
 - mechanised plant operators
 - plant train operators
 - protection officers
 - work group supervisors
 - engineers
 - management
 - outside contractors

Unit Sector(s)

Not Applicable

Competency Field

Competency Field L - Resource Management