



Australian Government

Department of Education, Employment and Workplace Relations

TLIF3083A Conduct track protection assessment

Release: 1

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Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to perform a track protection assessment to determine the appropriate level of track protection required for the infrastructure and 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

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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.

This unit also provides the authority to position lookout protection.

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 Undertake track assessment | 1.1 Track work activity to be performed and its complexity is identified
1.2 The impact of the work activity on the network is determined
1.3 Track protection requirements are analysed and identified
1.4 Visual assessment is conducted to assess the characteristics of the track worksite |
| 2 Determine the type of track protection required to perform work activity safely | 2.1 Outcomes of the visual assessment and the complexity of the track work activity are analysed to determine the type of track protection required
2.2 A site protection arrangements plan is prepared in accordance with the outcomes of the track assessment and policies, procedures and protocols of the access provider
2.3 Plan is communicated to relevant personnel |

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
- Types of worksite protection equipment and their use
- Audible track warning devices and their use, if applicable
- Site safety plans
- Positioning requirements for handsignallers
- Operational communication protocols and systems
- Work activity complexity
- Characteristics of track worksites
- Types of track protection

Required skills:

- Communicate effectively with individuals and work groups

Required skills:

- 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
- Analyse track work activities for complexity
- Visual assessment of a track worksite
- Prepare site protection arrangements plans

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:
 - identifying complexity of track work activity
 - conducting a visual assessment of the characteristics of track worksite
 - determining type of track protection required
 - preparing site safety plan

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

EVIDENCE GUIDE

	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
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

RANGE STATEMENT

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
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
Information and documents may include:	• workplace procedures, policies and work instructions • worksite safety plan • emergency plan • pre-work briefing • worksite protection plan
Complexity of work activity may include:	• type of work to be undertaken • hand tools to be used • track vehicles/track machines • machinery • number of work groups • rail traffic within or between worksite/s
Characteristics of track worksite may include:	• location • cuttings and embankments • speed and density of adjacent traffic • parallel networks • electrified network

RANGE STATEMENT

- Types of track protection may include:
- track circuits
 - level and pedestrian crossings
 - limits of worksite
 - visibility
 - how the work may affect track under the control of other access providers
 - multiple work activities
- Site protection arrangements plans may include:
- lookout
 - track protection occupancy
 - rail traffic control
 - track possession
 - blocking
 - 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

Unit Sector(s)

Not Applicable

Competency Field

Competency Field F - Safety Management