



Australian Government

Department of Education, Employment and Workplace Relations

UEENEEN025B Coordinate and manage track protection

Release: 1

UEENEEN025B Coordinate and manage track protection

Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

1)

1.1) Descriptor

This unit covers the coordination and management of track protection. It encompasses safe working, regulatory requirements and work procedures, including planning, establishing, monitoring and withdrawing track protection, and documentation.

Application of the Unit

Application of the Unit 4)

This unit shall apply to qualifications in installation and maintenance of rail signalling electrical power and control systems.

Licensing/Regulatory Information

1.2) License to practice

The skills and knowledge described in this unit may only be practised in the workplace under the codes of practice and regulations of the State/Territory for which the work is carried out. This includes codes of practice such as the 'Code of Practice for the Defined Interstate Rail Network' for work carried out on that network.

Pre-Requisites

Prerequisite Unit(s) 2)

2.1) Competencies

Relevant work place requirements in 'Work site protection' have been acquired.

Employability Skills Information

Employability Skills	3) This unit contains Employability Skills The required outcomes described in this unit of competency contain applicable facets of Employability Skills. The Employability Skills Summary of the qualification in which this unit of competency is packaged will assist in identifying Employability Skill requirements.
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Elements and Performance Criteria Pre-Content

6) Elements describe the essential outcomes of a unit	Performance criteria describe the required performance needed to demonstrate achievement of the Element. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Prepare to establish track protection.	1.1 OHS procedures for a given work area are identified, obtained and understood. 1.2 Established OHS risk control measures and procedures are followed in preparation for the work. 1.3 Safety hazards that have not previously been identified are noted, and established risk control measures are implemented. 1.4 Appropriate personnel are consulted to ensure the work is coordinated effectively with others involved on the work site. 1.5 Location of track protection is determined from job specifications and diagrams.

ELEMENT	PERFORMANCE CRITERIA
	1.6 Documentation needed for track protection work is obtained in accordance with established procedures and checked against job requirements. 1.7 Tools and safety equipment needed to apply on track protection are obtained in accordance with established procedures and checked for correct operation and safety.
2 Establish and monitor track protection.	2.1 OHS risk control measures and procedures for carrying out the work are followed. 2.2 Track protection system is established in accordance with relevant safe working system 2.3 Protection system and equipment is constantly reviewed for compliance with standards/regulations to ensure ongoing protection. 2.4 Relevant authority/ personnel are liaised with as required to ensure maximum protection is maintained 2.5 Established methods for dealing with unexpected situations are discussed with appropriate person(s) and documented. 2.6 Unexpected situations are dealt with safely and with the approval of an authorised person.
3 Withdraw Track Protection.	3.1 OHS work completion risk control measures and procedures are followed. 3.2 Approval to remove track protection is obtained in accordance with relevant operational rules and procedures. 3.3 Equipment and personnel are removed in a safe manner 3.4 Documentation is completed and track protection is withdrawn 3.5 On-track safety equipment is secured and stored in an appropriate manner

ELEMENT**PERFORMANCE CRITERIA**

- 3.6 Work completion is documented and appropriate person(s) notified in accordance with established procedures.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

7) This describes the essential skills and knowledge and their level, required for this unit.

Evidence shall show that knowledge has been acquired of safe working practices and co-ordinating and managing track protection.

All knowledge and skills detailed in this unit should be contextualised to current industry practices and technologies.

The extent of the essential knowledge and associated skills (EKAS) required is given in Volume 2 - Part 2.2 EKAS. It forms an integral part of this unit.

- 2.5.4 Technical standards, regulations and codes rail networks
- 2.5.11 Environmental and heritage awareness
- 2.14.1 Basic rail operations
- 2.14.14 Rail signalling, drawings and diagrams
- 2.14.15 Rail signalling, regulations and codes
- 2.18.1 Occupational Health and Safety principles
- 2.18.2 Electrical Safe working practices
- 2.18.5 Rail safe working practices

Evidence Guide

EVIDENCE GUIDE

9) The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

The Evidence Guide forms an integral part of this unit. It must be used in conjunction with all components parts of this unit and performed in accordance with the Assessment Guidelines of this Training Package.

Overview of Assessment

9.1)

Longitudinal competency development approaches to assessment, such as Profiling, require data to be reliably gathered in a form that can be consistently interpreted over time. This approach is best utilised in Apprenticeship programs and reduces assessment intervention. It is the industry-preferred model for apprenticeships. However, where summative (or final) assessment is used it must include the application of the competency in the normal work environment or, at a minimum, the application of the competency in a realistically simulated work environment. In some circumstances, assessment in part or full can occur outside the workplace. However, it must be in accordance with industry and regulatory policy.

Methods chosen for a particular assessment will be influenced by various factors. These include the extent of the assessment, the most effective locations for the assessment activities to take place, access to physical resources, additional safety measures that may be required and the critical nature of the competencies being assessed.

The critical safety issues inherent in working with electricity, electrical equipment, gas or any other hazardous substance/material present a challenge for those determining competence. Sources of evidence need to be 'rich' in nature to minimise error in judgment.

Activities associated with normal everyday work influence decisions about how/how much the data gathered will contribute to its 'richness'. Some skills are more critical to safety and operational requirements while the same skills may be more or less frequently practised. These points are raised for the assessors to consider when choosing an assessment method and developing assessment instruments. Sample assessment instruments are included for Assessors in the Assessment

EVIDENCE GUIDE

Guidelines of this Training Package.

Critical aspects of evidence required to demonstrate competency in this unit

9.2)

Before the critical aspects of evidence are considered all prerequisites must be met.

Evidence for competence in this unit shall be considered holistically. Each Element and associated performance criteria shall be demonstrated on at least two occasions in accordance with the 'Assessment Guidelines - UEE07'. Evidence shall also comprise:

- A representative body of work performance demonstrated within the timeframes typically expected of the discipline, work function and industrial environment. In particular this shall incorporate evidence that shows a candidate is able to:
 - Implement Occupational Health and Safety workplace procedures and practices including the use of risk control measures as specified in the performance criteria and range statement
 - Apply sustainable energy principles and practices as specified in the performance criteria and range statement
 - Demonstrate an understanding of the essential knowledge and associated skills as described in this unit. It may be required by some jurisdictions that RTOs provide a percentile graded result for the purpose of regulatory or licensing requirements.
 - Demonstrate an appropriate level of skills enabling employment
 - Conduct work observing the relevant Anti Discrimination legislation, regulations, policies and workplace procedures
- Demonstrated consistent performance across a representative range of contexts from the prescribed items below:
 - Co-ordinate and manage track protection as described in 8) and including:
 - A Interpreting specifications correctly
 - B Application of on-track safety requirements to enterprise standards
 - C Checking that track safety specifications are met and that protection is in compliance with

EVIDENCE GUIDE

- enterprise standards
- D Ensuring safe train movement through work area
 - E Following relevant codes of practice, OHS and environmental protection procedures and requirements
 - F Completing relevant records and documentation
 - G Dealing with unplanned events by drawing on essential knowledge and skills to provide appropriate solutions incorporated in the holistic assessment with the above listed items.

Note:

Successful completion of relevant vendor training may be used to contribute to evidence on which competency is deemed. In these cases the alignment of outcomes of vendor training with performance criteria and critical aspects of evidence shall be clearly identified.

Context of and specific resources for assessment

9.3)

This unit should be assessed as it relates to normal work practice using procedures, information and resources typical of a workplace. This should include:

- OHS policy and work procedures and instructions.
- Suitable work environment, facilities, equipment and materials to undertake actual work as prescribed by this unit.

These should be used in the formal learning/assessment environment.

Note:

Where simulation is considered a suitable strategy for assessment, conditions must be authentic and as far as possible reproduce and replicate the workplace and be consistent with the approved industry simulation policy.

The resources used for assessment should reflect current industry practices in relation to co-ordinating and managing track protection.

EVIDENCE GUIDE

Method of assessment**9.4)**

This unit shall be assessed by methods given in Volume 1, Part 3 'Assessment Guidelines'.

Note:

Competent performance with inherent safe working practices is expected in the Industry to which this unit applies. This requires assessment in a structured environment which is intended primarily for learning/assessment and incorporates all necessary equipment and facilities for learners to develop and demonstrate the essential knowledge and skills described in this unit.

Concurrent assessment and relationship with other units**9.5)**

There are no concurrent assessment recommendations for this unit.

Range Statement

RANGE STATEMENT

8) This relates to the unit as a whole providing the range of contexts and conditions to which the performance criteria apply. It allows for different work environments and situations that will affect performance.

This unit shall be demonstrated in relation to:

- The relevant State or Territory codes of practice and safe working requirements
- Equipment relevant to a particular rail network
- Code of practice for Defined Interstate Rail Networks

Generic terms used throughout this Vocational Standard shall be regarded as part of the Range Statement in which competency is demonstrated. The definition of these and other terms that apply are given in Volume 2, Section 2.1.

Unit Sector(s)

Not Applicable

Competency Field

2.2) Literacy and numeracy skills

Participants are best equipped to achieve competency in this unit if they have reading, writing and numeracy skills indicated by the following scales. Description of each scale is given in Volume 2, Part 3 'Literacy and Numeracy'

Reading	3	Writing	3	Numeracy	3
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2.2) Literacy and numeracy skills

Competency Field	5)
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Rail