



Australian Government

RIIRAI603E Establish and maintain mine transport systems and production equipment

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to establish and maintain mine transport systems and production equipment in coal mining, including developing installation and commissioning systems and procedures, operational and maintenance procedures, and audit and review systems.

It applies to those working in management or technical specialist roles. They generally perform complex, non-routine tasks involving strategic and planning activities and are responsible for establishing and maintaining operational systems and plans.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Coal mining

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare mine transport systems and production equipment	1.1 Access, interpret and apply mine transport systems and production equipment documentation 1.2 Identify and address potential risks, hazards and environmental issues and implement control measures according to site requirements 1.3 Identify requirements and purpose of production and transport systems according to the system of mining 1.4 Identify systems options according to analysis of all relevant technical, operational and financial information 1.5 Establish specification for production and transport systems

ELEMENT	PERFORMANCE CRITERIA
	according to analysis of operating requirements 1.6 Select preferred system according to manufacturer specifications and legislative and site requirements
2. Select equipment for production and transport systems	2.1 Conduct detailed scoping of operational requirements and develop key selection criteria according to operational and site requirements 2.2 Establish specifications for required production and/or transport equipment according to site requirements 2.3 Select preferred equipment solutions according to manufacturer specifications and legislative and site requirements
3. Establish installation and commissioning systems and procedures	3.1 Establish systems to identify hazards and analyse and evaluate risks associated with installation of production and transport systems and equipment 3.2 Plan and prepare for integration of new and existing mine production and transport systems and processes 3.3 Establish procedures for installing and commissioning production and transport systems and equipment according to site requirements 3.4 Establish systems and procedures according to identified production and transport systems training requirements
4. Establish systems for operation and maintenance of production and transport systems and equipment	4.1 Establish operational procedures for production and transport systems and equipment and incorporate into site documentation 4.2 Establish maintenance procedures for production and transport systems and equipment according to site and legislative requirements and incorporate into site documentation 4.3 Establish procedures for reviewing and modifying work processes according to site requirements 4.4 Establish the system of recording and reporting production and transport equipment information according to site requirements
5. Plan and prepare to implement mine transport systems and production equipment	5.1 Identify and interpret the legislative and site implementation requirements 5.2 Identify, clarify and communicate roles and responsibilities to all personnel according to production and transport systems and production equipment requirements 5.3 Identify, forecast, obtain and allocate/schedule resources required for the implementation of transport systems and production equipment requirements 5.4 Identify training needs and confirm training plan is established according to site requirements 5.5 Provide, review and implement recommendations for changes to implementation procedures as required
6. Establish systems for audit and	6.1 Establish procedures to audit and review equipment compliance according to legislative and site requirements

ELEMENT	PERFORMANCE CRITERIA
review of production and transport systems and equipment	6.2 Identify and assess future production and transport systems and equipment requirements and incorporate into planning processes 6.3 Establish procedures to audit and review currency and compliance of operation and maintenance relating to production and transport systems and equipment 6.4 Establish procedures for incorporating feedback into the audit/review system 6.5 Establish procedures to confirm the currency, relevance and compliance with the training program against identified requirements 6.6 Establish procedures for response to instances on non-compliance or other discrepancies/deficiencies revealed by audit 6.7 Establish procedures to audit emergency response and evacuation systems according to site requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria

SKILL	DESCRIPTION
Numeracy	Calculates resourcing requirements
Oral communication	Conveys information and requirements clearly and listens actively
Reading	Identifies and interprets relevant information from workplace procedures, documentation and legislation
Writing	Prepares specific information that complies with a range of requirements, using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIIRAI603D Establish and maintain mine transport systems and production equipment.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>