



**Australian Government**

**RIIRAI610D Establish and maintain  
mechanical standard/engineering practices  
for transport/production equipment**

**Release: 3**

## **RIIRAI610D Establish and maintain mechanical standard/engineering practices for transport/production equipment**

### **Modification History**

| <b>Release</b> | <b>Comment</b>                                                                                                                                                                                                                                                                                                  |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1              | This unit replaces RIIRAI610A Establish and maintain mechanical standard and engineering practices for transport and production equipment                                                                                                                                                                       |
| 2              | Required frequency and volume of evidence amended in Performance evidence.<br>Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm. |

### **Application**

This unit describes a participant's skills and knowledge required to establish and maintain mechanical standard and engineering practices for transport and production equipment in Coal mining.

This unit is appropriate for those working in management or technical specialist roles.

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

### **Unit Sector**

Coal mining

### **Elements and Performance Criteria**

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| 1. Plan and prepare production and transport systems | <p>1.1 Access, interpret and apply production and transport systems documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address potential risks, hazards and environmental issues and implement control measures</p> <p>1.4 Identify and confirm, in consultation, the requirements for, and purpose of, production and transport systems in accordance with the system of mining</p> <p>1.5 Identify systems options from an analysis of all relevant</p> |
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|                                                                                                          | <p>technical, operational and financial information</p> <p>1.6 Establish specification for the production and transport system from a comprehensive analysis of operating requirements</p> <p>1.7 Select the preferred systems options on the basis of performance against specification requirements</p>                                                                                                                                                                                                                                                     |
| 2. Select equipment for production and transport systems                                                 | <p>2.1 Identify the mechanical requirements for and purpose of transport and production equipment against systems requirements</p> <p>2.2 Conduct a detailed scoping of the operational production and transport systems requirements and develop key selection criteria, including hazard identification and risk analysis</p> <p>2.3 Establish specification for the required production and/or transport equipment</p> <p>2.4 Select the preferred equipment solutions on the basis of performance against specification requirements</p>                  |
| 3. Establish systems and procedures to install and commission equipment                                  | <p>3.1 Establish systems to identify hazards and analyse and evaluate risks associated with the installation</p> <p>3.2 Plan and prepare for integration of new and existing mine production and transport systems and processes</p> <p>3.3 Establish procedures for installing and commissioning production and transport systems and equipment</p> <p>3.4 Establish systems and procedures, to satisfy identified production and transport systems training requirements</p>                                                                                |
| 4. Establish systems for the operation and maintenance of production and transport systems and equipment | <p>4.1 Establish and document, operational procedures for production and transport systems and equipment</p> <p>4.2 Establish and document, maintenance procedures for production and transport systems and equipment from site and legislative requirements</p> <p>4.3 Establish and document, procedures for reviewing and modifying work processes</p> <p>4.4 Establish and document, emergency response and evacuation plans and procedures</p> <p>4.5 Establish the system of recording and reporting production and transport equipment information</p> |
| 5. Establish systems for audit and review of production and transport systems and equipment              | <p>5.1 Establish procedures to audit and review equipment compliance</p> <p>5.2 Identify and assess future production and transport systems and equipment requirements, and incorporate into planning processes</p> <p>5.3 Establish procedures to audit and review the currency and</p>                                                                                                                                                                                                                                                                      |

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|  | <p>compliance of operation and maintenance relating to production and transport systems and equipment</p> <p>5.4 Establish procedures for incorporating feedback into the audit/review system</p> <p>5.5 Establish procedures to confirm the currency, relevance and compliance of the training program against identified requirements</p> <p>5.6 Establish procedures for response to instances of non-compliance or other discrepancies/deficiencies revealed by audit</p> <p>5.7 Establish procedures to audit emergency response and evacuation systems for compliance</p> |
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## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

## Unit Mapping Information

RIIRAI610A Establish and maintain mechanical standard and engineering practices for transport and production equipment

## Links

Companion Volume Implementation Guides are available from VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>