



Australian Government

RIIMEX406D Apply and monitor mine transport systems and production equipment

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIMEX406A Apply and monitor mine transport system and production equipment
2	Required frequency and volume of evidence amended in Performance evidence. 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 apply and monitor mine transport systems and production equipment in Coal and Metalliferous mining.

This unit is appropriate for those working in supervisory roles.

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

Unit Sector

Coal mining

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for the operation and maintenance of transport systems and production equipment	1.1 Access, interpret and apply transport systems and production equipment documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Identify and confirm the purpose of transport systems and production equipment 1.6 Communicate and coordinate activities with others prior to,
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	during and on completion of the work activity 1.7 Identify training needs of team members and prepare training plans
2. Apply and monitor the systems for the operation of transport systems and production equipment	2.1 Identify, interpret and apply commissioning procedures and report outcomes 2.2 Assess the impacts of equipment and systems on work processes, record and report processes 2.3 Identify, interpret, apply and monitor procedures for reviewing and modifying work processes 2.4 Participate in systems audit and review requirements
3. Apply monitoring and maintenance procedures for transport systems and production equipment	3.1 Identify, interpret and apply operational and maintenance procedures 3.2 Schedule and carry out inspection, modification, repair and maintenance activities 3.3 Record, report and review maintenance and monitoring requirements and activities

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

RIIMEX406A Apply and monitor mine transport systems and production equipment

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIIMEX406D Apply and monitor mine transport systems and production equipment

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant legislation, documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of management of mine transport systems and production equipment including:
 - accessing, interpreting and applying technical information
 - accessing, interpreting and applying briefings and handover details
 - assessing the risks and consequences attached to production and transport systems and equipment
 - interpreting and applying manufacturer's instructions
 - applying maintenance and modification systems
- works effectively with others to undertake and complete the management of mine transport systems and production equipment that meets all of the required outcomes including:
 - complying with written and verbal reporting requirements and procedures
 - planning and coordinating work and communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to resolve coordination requirements prior to commencing and during work activities
 - identifying the training needs of others

- demonstrates completion of applying and monitoring mine transport systems and production equipment that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - proposing practical recommendations for identified key issues
 - commissioning and maintaining transport systems and equipment
 - monitoring procedures for reviewing and modifying work procedures
 - participating in system audits
 - inspecting plant and equipment
 - identifying environmental issues, risks and hazards

Knowledge Evidence

The candidate must demonstrate knowledge of applying and monitoring mine transport systems and production equipment through:

- key components of production and transport equipment and systems including:
 - equipment and system types, uses, characteristics and limitations appropriate for safe operation at the mine site including:
 - isolation and safe control of energy sources including: electrical, hydraulic, pneumatic, diesel
 - computer based systems
 - confined space entry requirements
 - identifying fire prevention techniques and fire-fighting systems
- safety design features of production and transport systems including traffic control devices, and statutory inspection requirements
- standard operating procedures relating to production and transport equipment

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,

- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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