



Australian Government

RIIPEO301D Conduct conveyor-car high wall mining operations

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIPEO301A Conduct conveyor-car high wall mining operations
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 conduct conveyor-car high wall mining operations in Coal Mining.

This unit is appropriate for those working in operational roles.

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

Unit Sector

Coal mining

Elements and Performance Criteria

1. Plan and prepare for conveyor-car high wall mining operations	1.1 Access, interpret and apply conveyor-car high wall mining operations documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements before proceeding 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 Access, interpret and apply geological and survey data required to complete the allocated work 1.6 Identify and obtain / schedule resources required for operations to support the mining sequence
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2. Position the launch	2.1 Coordinate activities related to the positioning of the launch with others at the site prior to commencement of, during, and on completion of the work activity 2.2 Carry out pre-start, start-up and shutdown procedures 2.3 Position the launch correctly 2.4 Act on or report monitoring systems and alarms 2.5 Recognise and respond hazardous conditions
3. Mine coal	3.1 Co-ordinate activities related to the mining of coal with others at the site prior to commencement of, during, and on completion of the work activity 3.2 Complete function tests on the miner and belts 3.3 Conduct and control mining procedures 3.4 Maintain supply of coal to the stacker 3.5 Act on or report monitoring systems and alarms 3.6 Recognise and respond to hazardous and emergency situations 3.7 Complete work in accordance with the agreed plan and outcomes and within the operating capacities of the allocated equipment
4. Carry out operator maintenance	4.1 Carry out visual and physical equipment inspections and fault finding processes 4.2 Carry out routine operational servicing, lubrication and housekeeping tasks 4.3 Carry out minor maintenance 4.4 Provide operator support during preparation for, and conduct of, major maintenance tasks 4.5 Process written records

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

RIIPEO301A Conduct conveyor-car high wall mining operations

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 RIIPEO301D Conduct conveyor-car high wall mining operations

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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 applicable legislation, documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of conveyor-car high wall mining operations including:
 - applying diagnostic and fault finding techniques
 - determining and obtaining resources required for operations
 - performing equipment inspections, operational servicing requirements and maintains clear written records of activities
- works effectively with others to undertake and complete the conveyor-car high wall mining operations that meets all of the required outcomes including:
 - communicate and coordinate activities with others
 - participate in shift briefing
 - clearly and concisely communicating and interpreting handover details
- demonstrates completion of conveyor-car high wall mining operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - positioning the launch
 - performing functions test on at least four (4) of the following:
 - chain conveyor
 - cutter-heads
 - traction

- shear-up/down
- camera sprays
- pan up/down
- water sprays
- steering wings
- stab-jack
- belt tracking
- propulsion
- coordinating and monitoring of at least one (1) of the following:
 - pit preparations
 - stacker positions
 - levelling and realigning of stacker
 - maintaining supply of coal
- monitoring and responding to mining requirements for at least five (5) of the following:
 - pitch
 - roll
 - spalling
 - guttering
 - roof conditions
 - water (in-rush)
 - floor conditions
 - coal flow
 - gaseous situations
- monitoring and responding to work area requirements for at least four (4) of the following:
 - high wall stability
 - low wall stability
 - lighting
 - associated / close proximity machinery
 - equipment and personnel
 - impact of weather conditions

Knowledge Evidence

The candidate must demonstrate knowledge of conducting conveyor-car high wall mining operations through:

- operational safety requirements
- access, interpret and apply technical information
- maintain equipment records

- environmentally sensitive fluids and materials
- chemical and fuel safety measures
- site and equipment safety procedures
- site mining systems and procedures
- conveyor-car high wall mining equipment characteristics, technical capabilities and limitations
- conveyor-car high wall mining maintenance systems and procedures
- mining conditions and related methods / techniques
- mine gases and their properties / impacts
- gas monitoring systems, processes and responses
- site system monitoring capabilities and uses
- cable management procedures
- hazard identification and response procedures, including retraction, evacuation and fire
- site environmental requirements and constraints related to conveyor-car high wall mining operations

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 must be assessed in the context of this sector's work environment; 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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