



Australian Government

Department of Education, Employment and Workplace Relations

RIIPEO202A Provide deck support for conveyor-car high wall mining operations

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the providing of deck support for conveyor-car high wall mining operation in coal mining. It includes the functions for loading/ unloading, operation and maintenance of conveyor-cars and operation of pendant controls during high-wall mining operations.

Application of the Unit

This unit is appropriate for those working in operational roles, at worksites within:

- Coal mining

Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Plan and prepare for operations	1.1. Access, interpret and apply compliance documentation relevant to the providing of deck support for conveyor-car high wall mining operation 1.2. Obtain, interpret and clarify/confirm work requirements before proceeding, to provide deck support for conveyor-car high wall mining operation 1.3. Access, interpret and apply geological and survey data required to complete the allocated work 1.4. Carry out pre-start procedures 1.5. Access and apply safety information and procedures throughout the work 1.6. Recognise and respond to emergency and/or hazardous conditions throughout the work sequences
2. Load and unload cars	2.1. Coordinate activities related to the loading and unloading of cars with others at the site prior to commencement of, and during, the work activity 2.2. Carry out the staging and positioning of cars correctly in accordance with manufacturer instructions and site procedures/plans 2.3. Carry out cable connections correctly
3. Operate cars	3.1. Coordinate activities related to the operation of cars with others at the site prior to commencement of, and during, the work activity 3.2. Carry out start-up, sequencing and shutdown procedures 3.3. Remove surface dust from cars in accordance with site procedures and facilities. 3.4. Pin and unpin cars in accordance with mining procedures and plans 3.5. 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 equipment inspections and fault finding

	4.2. Carry out routine operational servicing, lubrication and housekeeping tasks 4.3. Carry out minor maintenance to manufacturer instructions and site requirements 4.4. Provide operator support during preparation for, and conduct of, major maintenance tasks 4.5. Process records
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Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

Specific skills are required to achieve the performance criteria in this unit, particularly for the application in the various circumstances in which this unit may be applied. This includes the ability to carry out the following as required to provide deck support for conveyor-car high wall mining operation:

- apply legislative, organisation and site requirements and procedures
- apply operational safety requirements
- access, interpret and apply technical information
- apply hand-eye coordination
- work wearing noise protection equipment
- apply diagnostic techniques
- use hand tools
- apply equipment records maintenance requirements
- apply procedures for the dispose of environmentally sensitive fluids and materials
- apply chemical and fuel safety measures

Required knowledge

Specific knowledge is required to achieve the Performance Criteria of this unit, particularly its application in a variety of circumstances in which the unit may be used. This includes knowledge of the following, as required to provide deck support for conveyor-car high wall mining operation:

- site and equipment safety procedures
- site mining systems and procedures
- conveyor-car equipment characteristics, technical capabilities and limitations
- conveyor-car maintenance systems and procedures
- site geological and survey data
- mine gases and their properties / impacts
- deck based gas monitoring systems, processes and responses
- cable management procedures
- emergency retraction procedures
- emergency evacuation and fire procedures
- site environmental requirements and constraints related to conveyor-car high wall mining operations

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to worksite operations and satisfy all of the requirements of the performance criteria, required skills and knowledge and the range statement of this unit and include evidence of the following: • knowledge of the requirements, procedures and instructions for providing deck support for conveyor-car high wall mining operation • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of the provision of deck support for conveyor-car high wall mining operation • working with others to undertake and complete the provision of deck support for conveyor-car high wall mining operation that meets all of the required outcomes • consistent timely completion of the provision of deck support for conveyor-car high wall mining operation that safely, effectively and efficiently meets the required outcomes
Context of and specific resources for assessment	• This unit must be assessed in the context of the 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 workplace performance, including task skills, task management skills, contingency management skills and job role environment skills. • The assessment environment should not disadvantage the participant. For example, language, literacy and numeracy demands of assessment should not be greater than those required on the job. • Customisation of assessment and delivery environment to sensitively accommodate

	cultural diversity. • Aboriginal people and other people from a non English speaking background may have second language issues. • Assessment of this competency requires typical resources normally used in the work environment. Selection and use of resources for particular worksites may differ due to site circumstances. • Where applicable, physical resources should include equipment modified for people with disabilities. • Access must be provided to appropriate learning and/or assessment support when required.
Method of assessment	This unit may be assessed in a holistic way with other units of competency. The assessment strategy for this unit must verify required knowledge and skill and practical application using more than one of the following assessment methods: • written and/or oral assessment of the candidate's required knowledge • observed, documented and/or first hand testimonial evidence of the candidate's: • implementation of appropriate requirement, procedures and techniques for the safe, effective and efficient achievement of required outcomes • consistently achieving the required outcomes • first hand testimonial evidence of the candidate's: • working with others to undertake and complete deck support for conveyor-car high wall mining operation
Guidance information for assessment	Consult the SkillsDMC User Guide for further information on assessment including access and equity issues.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Relevant compliance documentation may include:	• legislative, organisation and site requirements and procedures • manufacturer's guidelines and specifications • Australian standards • code of practice • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
Work requirements may be in the form of:	• shift briefings • handover details, and/or • work orders
Conveyor-car high wall mining system deck activities may include launch vehicle and conveyor-cars powered by:	• electric (over hydraulic) systems • water supply • IGG • communications • gas monitoring devices
Work requirements may include:	• equipment / plant identification / allocation • nature and scope of the work • working conditions • achievement targets • site lighting arrangements • defects on machine • hazards and potential hazards
Geological and survey data may include:	• go / no-go zones • high-wall stability • gas conditions • other operational and safety related issues
Safety information and procedures may be contained in:	• legislation and regulations • relevant Australian standards • management plans • manager's rules • mining plans • OHS policy

	• code of practice
Emergency response may include:	• blast door operations • stand-off ramp operations • re-action cylinder operations • emergency retraction • evacuation • fire procedures
Hazardous conditions may include:	• wet weather • gas • fire • explosions • highwall collapse • falling material
Coordination with others may include:	• the functions of the system operator • the loader driver
Staging and positioning may include:	• method of staging • angle of launch • impact of weather • staging devices • lanyard systems
Cable connection procedures are for both electrical and gas monitoring cables and cover:	• moisture • water • damage • dirt • coal • grease

Unit Sector(s)

Plant and Equipment Operation

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.