



Australian Government

Department of Education, Employment and Workplace Relations

RIIMCU311A Monitor control processes

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the monitoring of control processes in the coal industry. It includes planning and preparing for operations, monitoring and controlling operations, and recording operational information. Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between States, Territories, and industry sectors. Relevant information must be sourced prior to application of the unit.

Application of the Unit

This unit is appropriate for those working in an operational role 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 work activity 1.2. Check monitoring equipment in accordance with site procedures and/or manufacturer instructions 1.3. Identify and locate all equipment and services under monitoring control in accordance with site procedures
2. Monitor and control operations	2.1. Monitor mine processes to identify equipment availability, service availability and continuity of production 2.2. Report faults within processes, to equipment or services, to the appropriate authority for remedial action in accordance with site procedures 2.3. Recognise and respond to hazardous and emergency situations in accordance with manufacturer instructions and/or site procedures 2.4. Provide status reports to those who are or may be affected by the faults or disruption to production 2.5. Monitor and report remedial actions and the effects on production to the appropriate authority in accordance with site procedures
3. Record operational information	3.1. Provide handover reports in accordance with site procedures 3.2. Process records in accordance with site requirements

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 of this unit, particularly for its application in the various circumstances in which this unit may be used. This includes the ability to carry out the following, as required to monitor control processes:

- apply legislative, organisation and site requirements and procedures for monitoring control processes
- apply personal and operational safety requirements
- start, operate and close down monitoring equipment
- read and interpret technical/operational monitoring information and reports
- communicate effectively on monitoring information
- maintain records

Required knowledge

Specific knowledge is required to achieve the Performance Criteria of this unit, particularly for its application in the various circumstances in which this unit may be used. This includes knowledge of the following, as required to monitor control processes:

- site personnel and operational safety procedures
- mining systems in use
- mine operational procedures
- monitoring systems characteristics, uses and limitations
- monitoring equipment and its operations/procedures
- mine plan and layout
- mine system schematics
- site communication procedures

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 monitoring control processes • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of control processes monitoring • working with others to undertake and complete the control processes monitoring in a way that meets all of the required outcomes • consistent timely completion of control processes monitoring 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. • Assessment of this competency requires typical resources normally used in a resources and infrastructure sector environment. Selection and use of resources for particular worksites may differ due to the site circumstances. • 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. • 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 • consistent achievement of required outcomes • first hand testimonial evidence of the candidate's: • working with others to undertake and complete the control processes monitoring
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, organisational and site requirements and procedures • manufacturer's guidelines and specifications • management plans • OHS policy • Australian standards • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
Work requirements may be in the form of:	• shift briefings • handover details • work orders
Work requirements details may include:	• standard operating procedures • status reports • notice of known or anticipated changes • specific responsibilities for the shift • coordination requirements/issues
Monitoring equipment may be located:	• underground • on the surface
Equipment used for monitoring may include:	• visual display units • logical programmable control units • communication devices including two-way radio, DACs, phones
Processes, equipment and services monitored may include:	• conveyors • fans • sample analysis reports • power and production tonnage/rates
Monitoring may include monitoring of:	• power failure • ventilation pressure changes • lock out • belt slip • gas concentration

	• production tonnage/rates
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Unit Sector(s)

Coal Mining (Underground)

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.