



Australian Government

Department of Education, Employment and Workplace Relations

RIIMCO301A Conduct control centre operations

Release: 1

RIIMCO301A Conduct control centre operations

Modification History

Not applicable.

Unit Descriptor

This unit covers the conduct of control centre operations in the coal industry. It includes insert information from elements. 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.
---	--

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for plant operation	1.1. Access, interpret and apply compliance documentation relevant to the work activity 1.2. Identify shift requirements from the previous shift report and instructions relating to plant operations 1.3. Interpret and confirm shift operational plan with the supervisor according to mine procedures 1.4. Communicate with all relevant personnel before commencement of operations 1.5. Carry out pre-start check of all equipment
2. Control plant operations	2.1. Start-up equipment and close down completely or partially in the sequence necessary to avoid damage/spillage 2.2. Monitor and control plant processes to maintain shift plan and optimise coal stocks/ coal quality and overburden removal 2.3. Monitor location and availability of all personnel within the mine 2.4. Monitor and act on warning devices 2.5. Control the operation of equipment and the use of materials to minimise wastage 2.6. Implement emergency, fire and disaster situations, including control centre evacuation procedures
3. Record operational information	3.1. Report and record all information required to maintain excavation and plant operations , including oral and written reports
4. Maintain standard practices	4.1. Follow standards for safe and competent work practices 4.2. Maintain control systems security requirements 4.3. Control and monitor contractor access to mine and plant 4.4. Observe safety rules and regulations, including legislation and site-specific instructions

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 conduct control centre operations:

- apply legislative, organisation and site requirements and procedures for the conduct of control centre operations
- apply legislative, organisation and site requirements and procedures for conduct of control centre operations
- apply emergency, disaster, safety and security requirements
- access, interpret and apply technical information to production plans
- maintain records
- apply hand-eye coordination
- apply diagnostic techniques and resolve operational problems
- comply with environmental requirements
- use basic keyboard skills

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 conduct control centre operations:

- legislative and regulatory requirements relating to this competency
- site and equipment permit and access procedures
- state and mine emergency and disaster procedures and safety requirements, , including fire and flood
- site plant and systems configuration, alternative configurations, capacities and limitations
- environmental compliance requirements
- control centre monitoring and communication systems
- personnel/shift systems
- maintenance and contractor procedures
- mine geological conditions and survey data and associated operating precautions

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 conducting control centre operations • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of control centre operations • working with others to undertake and complete the control centre operations in a way that meets all of the required outcomes • consistent timely completion of control centre operations 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 centre operations
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 • Australian standards • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
Information may be transmitted by the following means:	• 2-way radio • telephone • PA • verbal • CB • written • computer monitor • printouts
Operations may be conducted in all weather conditions, including extreme conditions by day or night and may include:	• hot and dusty • heavy rain/flood • fog • high wind
Shift requirements may include:	• operating plant identified • outages and breakdowns • maintaining schedules • digging tonnage requirements • personal requirements • conditions of plant and weather
The previous shift report may include:	• production results , including input and output tonnages and coal quality/blending requirements • breakdown details • availability and location of coal by type, seam, blend • system and plant defects , including faults of plant equipment • maintenance and outage coordination

	requirements • water availability • charts, printouts, logs, amp readings
Plant may include:	• conveyor transport system • crushers • stackers • raw coal bunkers • bucketwheel/bucket chain excavators • feeders • reclaimers • samplers • pumps and screens • gates • compressors • tramp iron magnets
Processes may involve:	• ash level • moisture content • size • condition of ROM • yield • belt size • plant availability • coal availability • limitations of equipment • bunker capacity • coal blending • reject percentages • sump levels • density control • weather information
Role and responsibilities may include:	• production • outage coordination • emergency commander
Liaisons with other personnel may include:	• fitters • electricians • contractors • plant operators • machinery operators • supervisors • yard persons • laboratory assistant

	- planners - emergency personnel
Coordination with other sections may include:	- power station operations - fire services - police and emergency services - planning - maintenance
Environmental and ground conditions may include:	- stress relief - cracking - fire holes - aquifers
Faults may be identified by the following:	- alarms - indicator lights - amp gauges - computer monitor - camera monitor - visual inspection
Adjustments may be made directly using automatic or manual controls, or remotely through third parties.	
Factors governing coal quality may include:	- coal type - moisture - ash content
Plant identification codes may vary between mine sites.	

Unit Sector(s)

Coal Mining (Open Cut)

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.