



Australian Government

RIIRAI604D Establish and maintain mine services and infrastructure systems

Release: 1

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Modification History

Not applicable.

Application

This unit describes a participant's skills and knowledge required to establish and maintain mine services and infrastructure systems in Coal mining.

This unit is appropriate for those working in management or technical specialist roles

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

Unit Sector

Coal mining

Elements and Performance Criteria

<p>1. Plan and prepare mine services and infrastructure systems</p>	<p>1.1 Access, interpret and apply mine services and infrastructure documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address potential risks, hazards and environmental issues and implement control measures</p> <p>1.4 Select and wear personal protective equipment appropriate for work activities</p> <p>1.5 Identify the requirements for and purpose of mine services and infrastructure systems in accordance with legislative requirements and the system of mining</p> <p>1.6 Establish specifications for the mine services and infrastructure systems from a comprehensive analysis of operating requirements</p> <p>1.7 Identify options from an analysis of all relevant technical, operational and financial information</p> <p>1.8 Select the preferred systems options on the basis of performance against specification requirements</p> <p>1.9 Assess potential locations for mine services and infrastructure by site inspection, locate on mine plan and confirm location</p>
<p>2. Select plant, equipment or services</p>	<p>2.1 Conduct a detailed scoping of the operational requirement and develop key selection criteria, including hazard identification and risk analysis</p> <p>2.2 Establish specifications for the required plant, equipment and services</p> <p>2.3 Select the preferred plant, equipment and services options on the basis of performance against specification requirements</p>
<p>3. Establish installation and commissioning systems and procedures</p>	<p>3.1 Establish a system to identify hazards and analyse and evaluate risks associated with the installation of plant, equipment and services</p> <p>3.2 Plan and prepare for integration of new and existing systems and procedures to achieve optimum performance</p> <p>3.3 Establish procedures for installing and commissioning plant, equipment and services</p> <p>3.4 Establish systems and procedures to satisfy identified training requirements</p>
<p>4. Establish management systems for the operation and</p>	<p>4.1 Establish operational procedures for plant, equipment and services from site and legislative requirements and incorporate into</p>

maintenance of plant, equipment or services	<p>site documentation</p> <p>4.2 Establish maintenance procedures for plant, equipment and services from site and legislative requirements and incorporate into site documentation</p> <p>4.3 Establish procedures for reviewing and modifying work processes</p> <p>4.4 Establish the maintenance of emergency response and evacuation plant, equipment and services in accordance with site requirements</p> <p>4.5 Establish the system for recording and reporting of plant, equipment and services information</p>
5. Plan and prepare for the implementation of mine services and infrastructure	<p>5.1 Identify and interpret the legislative and site implementation requirements</p> <p>5.2 Identify, clarify, in consultation, and communicate roles and responsibilities, to all personnel</p> <p>5.3 Identify, forecast, obtain and allocate/schedule resources required for the implementation</p> <p>5.4 Implement mine services and infrastructure systems training program</p> <p>5.5 Encourage, receive, review and, where appropriate, implement suggestions and recommendations for changes to implementation procedures</p>
6. Establish management systems to audit and review mine services and infrastructure systems	<p>6.1 Establish procedures to audit and review equipment compliance in accordance with legislative and site requirements</p> <p>6.2 Identify and assess future plant, equipment and services requirements into the planning processes</p> <p>6.3 Establish procedures to audit and review the currency and compliance of operation and maintenance systems relating to plant, equipment and services</p> <p>6.4 Establish procedures to audit the training programs for currency and relevance</p> <p>6.5 Establish procedures for incorporating feedback into the audit/review system</p> <p>6.6 Establish procedures for response to instances of non-compliance or other discrepancies/deficiencies revealed by audit</p>

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

RIIRAI604A Establish and maintain mine services and infrastructure systems

Links

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>