



Australian Government

RIIRAI507D Implement the underground coal mine mechanical plant management plan

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIRAI507A Implement the underground coal mine mechanical plant management plan
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 implement the underground coal mine mechanical plant management plan in Coal mining.

This unit is appropriate for those working in 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 (underground)

Elements and Performance Criteria

1. Plan and prepare for the implementation of the management plan	1.1 Access, interpret and apply underground coal mine mechanical plant management documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 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 clarify the underground mine mechanical plant management plan 1.6 Identify and communicate roles and responsibilities, to all
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	involved persons 1.7 Identify, forecast, obtain and allocate/schedule resources required for the implementation 1.8 Identify training needs and prepare training plans 1.9 Encourage, receive, review and, where appropriate, implement suggestions and recommendations for changes to underground mine mechanical plant management procedures
2. Implement the hazards and risk control options and measures	2.1 Implement procedures for the explosion protection of mechanical equipment 2.2 Implement procedures to control flammable environment 2.3 Implement procedures to control hazards caused by disruption to the mine ventilation system 2.4 Implement fire protection and prevention procedures on mechanical equipment 2.5 Implement procedures to control engine pollutants. initiated from or created by mechanical equipment 2.6 Implement procedures for control of hazardous substances initiated from or used by mechanical equipment 2.7 Implement procedures to maintain the integrity of safety critical functions of mechanical equipment 2.8 Implement procedures to control hazards in lifting and towing systems for mechanical equipment 2.9 Implement procedures to protect people in their interrelationship with mechanical equipment in the underground environment 2.10 Implement procedures to control hazards for energy dissipation and isolation systems on mechanical equipment 2.11 Implement procedures to prevent failure of winding and personnel transport equipment
3. Audit the management plan	3.1 Review the effectiveness of the underground mine mechanical plant management systems in accordance with the requirement of the underground Mine Mechanical Plant Management Plan 3.2 Audit the maintenance program and procedures in accordance with the underground Mine Mechanical Plant Management Plan and statutory requirements 3.3 Audit recording and reporting systems in accordance with the underground Mine Mechanical Plant Management Plan 3.4 Audit the mechanical plant management training program for currency, relevance and compliance with the underground Mine

	Mechanical Plant Management Plan
	3.5 Report audit findings and recommendations

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

IIRAI507A Implement the underground coal mine mechanical plant management plan

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>