



Australian Government

RIIMCU605E Establish and maintain inrush management systems

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to establish and maintain inrush management systems in coal mining, including design, development, audit and review processes and procedures.

It applies to those working in management roles. They generally perform complex, non-routine tasks involving strategic and planning activities and are responsible for establishing and maintaining operational systems and plans.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Coal mining (underground)

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare to establish and maintain inrush management system	1.1 Access, interpret and apply inrush management documentation 1.2 Identify the potential sources and effects of inrush 1.3 Analyse and evaluate mine site historical information for indications of inrush potential 1.4 Identify, analyse and evaluate geological and physical conditions that contribute to inrush potential 1.5 Identify, analyse and evaluate inrush hazards and risks 1.6 Identify, analyse and evaluate the effects of inrush on mine operations and personnel

ELEMENT	PERFORMANCE CRITERIA
2. Identify, analyse and evaluate potential inrush controls	2.1 Identify, analyse and evaluate potential inrush controls 2.2 Identify, analyse and evaluate inrush controls to address matters identified from the review of historical information 2.3 Identify, analyse and evaluate inrush controls to address geological and physical conditions 2.4 Identify, analyse, evaluate and confirm the validity of mine plans and associated records 2.5 Identify, analyse and evaluate the methods, purposes and capabilities of mine monitoring systems
3. Design and develop inrush management system	3.1 Design and develop inrush controls for addressing inrush hazards according to site requirements 3.2 Determine personnel safety measures and techniques and incorporate into inrush management system according to site requirements 3.3 Design and/or incorporate services and infrastructure protection measures into inrush management system according to site requirements 3.4 Design and develop mine monitoring requirements relating to inrush according to site requirements 3.5 Integrate system elements and complete the inrush management system design
4. Establish inrush management system	4.1 Develop and establish inrush hazard identification, analysis and reporting procedures according to site requirements 4.2 Establish actions and procedures required in response to inrush indicators according to site requirements 4.3 Develop permit-to-mine procedures according to site requirements 4.4 Establish personnel safety measures and techniques according to site requirements 4.5 Establish services and infrastructure protection measures for minimising inrush damage according to site requirements 4.6 Establish the monitoring, recording and reporting procedures according to site requirements 4.7 Establish emergency response and evacuation plans according to site requirements 4.8 Establish training requirements for inrush management plan
5. Plan and prepare to implement inrush management system	5.1 Access, interpret and clarify inrush management plan 5.2 Identify, clarify and communicate to all personnel roles and responsibilities according to inrush management plan 5.3 Identify, forecast, obtain and allocate/schedule resources required for implementation of inrush management plan 5.4 Review inrush management plan implementation procedures, and

ELEMENT	PERFORMANCE CRITERIA
	implement changes as required
6. Audit and review inrush management system	6.1 Audit the inrush management system according to site requirements 6.2 Audit mine monitoring systems according to site requirements 6.3 Audit inrush hazard identification, monitoring and response procedures according to site requirements 6.4 Audit recording plans and procedures according to site requirements 6.5 Audit inrush training plan according to inrush management system requirements 6.6 Identify and respond to instances of non-compliance or other discrepancies/deficiencies revealed by audit 6.7 Maintain records, reports and policy documentation according to site requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Oral communication	<ul style="list-style-type: none"> Conveys information and requirements clearly and listens actively
Reading	<ul style="list-style-type: none"> Identifies and interprets relevant information from workplace procedures, documentation and legislation
Writing	<ul style="list-style-type: none"> Prepares specific information that complies with a range of requirements, using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIIMCU605D Establish and maintain the inrush management plan.

Links

Companion Volume Implementation Guide is found on VETNet -

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