



Australian Government

RIIMCU301E Conduct specialised strata control operations

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 conduct specialised strata control operations in underground coal mining, including scaling down roofs and ribs, drilling holes for rib and roof bolt installation, and installing and securing supports.

It applies to those working in operational roles. They generally work under minimal supervision to undertake a broad range of tasks in varied work contexts, using some discretion and judgement in selecting equipment, services or contingency measures.

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 conduct specialised strata control operations	1.1 Obtain, interpret, clarify and confirm work requirements 1.2 Access, interpret and apply documentation required to conduct specialised strata control operations 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures according to site requirements 1.4 Select and wear personal protective equipment according to site requirements 1.5. Access, interpret and apply mine environmental, geological and survey data according to site requirements

ELEMENT	PERFORMANCE CRITERIA
	1.6 Determine, obtain and transport resources according to job requirements 1.7 Obtain and interpret emergency procedures and identify steps required to respond to emergencies
2. Install and secure supports	2.1 Coordinate activities with others within scope of own role 2.2 Carry out equipment, materials and services checks according to site requirements 2.3 Carry out prestart and start-up according to manufacturer specifications and site requirements 2.4 Scale down roof and ribs according to site requirements 2.5 Drill holes for rib and roof bolt installation according to manufacturer specifications and job requirements 2.6 Install and secure supports according to manufacturer specifications and job requirements 2.7 Identify and monitor geological conditions and respond to changing conditions according to site requirements 2.8 Monitor risks and hazards and confirm safe operation of plant and equipment 2.9 Carry out park-up, shutdown and secure equipment procedures according to manufacturer specifications and site requirements
3. Carry out operator maintenance	3.1 Prepare machine/equipment for maintenance according to manufacturer specifications and site requirements 3.2 Conduct inspection and fault finding according to manufacturer specifications and site requirements 3.3 Carry out scheduled maintenance tasks according to manufacturer specifications and site requirements 3.4 Carry out housekeeping activities according to site requirements 3.5 Complete maintenance records 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
Numeracy	Calculates basic measurements including mass and dimensions
Reading	Identifies and interprets information from workplace documentation and legislation

SKILL	DESCRIPTION
Self-management	Monitors and minimises own exposure to worksite risks and hazards during activities
Writing	Completes maintenance records using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIIMCU301D Conduct specialised strata control operations.

Links

Companion Volume Implementation Guide is found on VETNet -

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