

December 2022

Mining engineering manager of underground mines other than coal mines

Prerequisites and written examination details

1. Prerequisites

An application for examination must be accompanied by evidence that you have the following:

Details of mine operator making the notification

Prerequisite	Requirement
Tertiary or vocational qualification	<p>Any one of the following:</p> <ul style="list-style-type: none"> • Bachelor of Mining Engineering issued by an Australian university, or • RII60120 Advanced Diploma of Metalliferous Mining issued by a registered training organisation (the superseded qualifications RII60115 & RII60113 Advanced Diploma of Metalliferous Mining, or other equivalent superseded qualification is acceptable). <p>If you hold a qualification/unit of competence that is not specified as a prerequisite, refer to <u>Fact sheet - Recognition of qualifications and units of competence.</u></p>
Practical experience	<p>A minimum of five years* practical underground mine experience (other than coal), including:</p> <ul style="list-style-type: none"> • a minimum three years being present: <ul style="list-style-type: none"> <input type="checkbox"/> with a minimum 1 year at an extraction face during production or development works and <input type="checkbox"/> during other mining activities (this must be included in the five years of experience required above) • a minimum two years in a supervisory role responsible for the control and management of underground mining operations (other than coal), with minimum 1 year in mining activities at the mine.

	<p>*In the five years of experience, up to one year in any other class of mine may be included.</p> <p>Your experience must be verifiable and/or signed off by your supervising manager who holds a Mining Engineering Manager of underground mines other than coal mines practising certificate.</p>
Emergency preparedness qualification	<p>RIIERR601E Establish and maintain mine emergency preparedness and response systems, issued by a registered training organisation</p> <p>*The superseded units RIIERR601D and RIIERR601A Establish and maintain mine emergency preparedness and response systems, or other equivalent superseded unit number is acceptable.</p> <p>If you hold a qualification/unit of competence that is not specified as a prerequisite, refer to <u>Fact sheet - Recognition of qualifications and units of competence</u>.</p>
Portfolio of evidence	<p>You must attach the following documents as evidence of your competence:</p> <ul style="list-style-type: none"><input type="checkbox"/> Risk assessment – a copy of a WHS risk assessment that you were involved in at your mine during the last three years<input type="checkbox"/> Workplace inspection - a copy of a WHS workplace inspection, task observation or audit, that you carried out and documented for your mine in the last three years<input type="checkbox"/> Review of principle hazard management plan or control plan – evidence, such as a report, of your involvement in reviewing a principal hazard management plan or control plan at your mine<input type="checkbox"/> Shift handover report, shift work plan or compliance report- a copy of a WHS shift handover report, shift work plan or compliance report that you completed in the last six months<input type="checkbox"/> Delivery of workplace training program (may include mentoring or coaching) - evidence of a WHS related training program in a mining or related field that you were involved in developing and delivering for workers in full or part of it at your mine (eg. toolbox talks, shift or work group briefings)<input type="checkbox"/> Safe work procedure or related document for standard setting - a copy of a safe work procedure or related document for standard setting (eg. work instruction, work order job

	<p>detail) that you actioned at your mine during the last three years</p> <p>For more information about portfolio requirements refer to the Portfolio requirements: certificate of competence examination process.</p>
Identity verification	Refer to the Factsheet: Certifying documents and verifying identity .

2. Written examination details

The written examination consists of the following papers:

Paper	Method of examination	Duration of paper
Paper 1	Closed book	3 hours

2.1. Paper 1

Part A

You will be required to demonstrate a working knowledge of the *Work Health and Safety Act 2011*, *Work Health and Safety Regulation 2017*, *Work Health and Safety (Mines and Petroleum Sites) Act 2013*, *Work Health and Safety (Mines and Petroleum Sites) Regulation 2022*, *Explosives Act 2003* and their supporting regulations, Australian Standard 2187 Explosives – Storage, Transport and Use, Australian Standard, 4326 The Storage and Handling of Oxidising Agents, Australian Dangerous Goods Code and Australian Explosives Code as they relate to the duties of a mining engineering manager.

Part B

You will be required to have technical knowledge of mine planning and design in both open cut and underground mines, ventilation, geotechnical engineering, surveying. You will need to be familiar with Technical Reference Guides (TRGs) published by the Resources Regulator that are relevant to non coal mines and MDG15. You will be expected to have knowledge of safe working procedures, the causes, management and prevention of mine incidents.

An exam briefing session will be held 2 months ahead of the written exam where the application and marking process are described. Example question and answers will be shown. The session will allow for applicants to ask questions.

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