



**Australian Government**

# **RII20409 Certificate II in Underground Metalliferous Mining**

**Release 3**

## **RII20409 Certificate II in Underground Metalliferous Mining**

### **Modification History**

RIIUND203A code change to RIIUND310 Apply shot-crete underground

### **Description**

This qualification reflects the role of individuals, such as an operator working in an underground metalliferous mine, who perform a range of mainly routine tasks using limited practical skills and fundamental operational knowledge in a defined context, working under direct supervision.

### **Pathways Information**

Not applicable.

### **Licensing/Regulatory Information**

Not applicable.

### **Entry Requirements**

Not applicable.

## Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> <li>• speak clearly and directly</li> <li>• listen carefully to instructions and information</li> <li>• read and interpret work instructions and safety signs</li> <li>• calculate basic weights, distances and volumes</li> <li>• complete incident and maintenance reports</li> </ul>
Teamwork	<ul style="list-style-type: none"> <li>• apply teamwork in a range of situations, particularly in a safety context</li> <li>• contribute to the planning and execution of operations</li> <li>• work cooperatively with people of different ages, gender, race, religion or political persuasion</li> </ul>
Problem-solving	<ul style="list-style-type: none"> <li>• adjust work methods in response to changing weather and site conditions</li> <li>• participate in team solutions to safety issues</li> </ul>
Initiative and enterprise	<ul style="list-style-type: none"> <li>• independently adapt to changing work conditions or different work areas</li> <li>• identify potential improvements to working practice and conditions</li> <li>• identify and assess risks in the workplace</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>• manage time and priorities to complete work</li> <li>• identify and obtain appropriate equipment and permits</li> <li>• identify potential hazards and prepare appropriate responses</li> <li>• follow procedures and techniques relevant to the equipment and work being done</li> </ul>
Self-management	<ul style="list-style-type: none"> <li>• take responsibility for planning and organising own work priorities and completing assigned tasks</li> <li>• monitor own performance to ensure work will be completed well and on time</li> <li>• understand the standard of work expected at a work site</li> </ul>
Learning	<ul style="list-style-type: none"> <li>• be willing to learn new ways of working</li> <li>• seek information to improve performance from people and workplace documents like policies, procedures etc</li> <li>• understand equipment characteristics, technical capabilities, limitations and procedures</li> </ul>

Technology	<ul style="list-style-type: none"><li>• use technology to monitor and report on work progress</li><li>• use communications technology appropriate to the workplace (email, mobile, radio, etc)</li><li>• operate equipment safely</li></ul>
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## Packaging Rules

### Requirements for completion of the qualification

The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Successful completion of ten (10) units of competency made up of:

- five (5) Core units, and
- five (5) elective units of which:
  - at least three (3) must come from the Group A electives listed below
  - up to two (2) from the Group B electives listed below
  - up to one (1) unit may come from AQF level II or III in this, or any other Training Package.

Units of competency chosen must be relevant to the competency requirements.

Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

<b>Core units of competency</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBSUS201A	Participate in environmentally sustainable work practices
RIICOM201A	Communicate in the workplace
RIIOHS201A	Work safely and follow OHS policies and procedures
RIIQUA201A	Maintain and monitor site quality standards
RIIRIS201B	Conduct local risk control
<b>Group A electives</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBWOR203B	Work effectively with others
RIIBEF202A	Identify and rectify site operating problems
RIIBLA201A	Support shotfiring operations
RIIBLA205A	Store, handle and transport explosives
RIIMPO201A	Operate roller/compactor underground
RIIMPO202A	Undertake towing underground
RIIMPO333	Conduct underground load, haul and dump operations
RIIMPO210A	Conduct underground truck operations

RIIPEO201B	Conduct conveyor operations
RIISAM203B	Use hand and power tools
RIISAM205A	Cut, weld and bend materials
RIISRM302B	Conduct stockpile reclaiming operations
RIIUMM201A	Install ground support
RIIUMM202A	Install and maintain vent
RIIUMM203A	Prepare and perform manual scaling operations
RIIUMM301A	Conduct wet filling activities
RIIUMM305A	Install and remove a secondary fan
RIIUND201A	Install, maintain and recover reticulation systems
RIIUND202A	Operate from elevated work platform underground
RIIUND310	Apply shot-crete underground
RIIUND204A	Refuel vehicles/machines underground
RIIUND208A	Conduct skip operations
RIIUND209A	Operate automated winder
RIIUND302A	Conduct cage operations
RIIVEH203B	Operate light vehicle underground
RIIWMG202A	Conduct dewatering operations in underground mining operations
<b>Group B electives</b>	
<i>Unit code</i>	<i>Unit title</i>
HLTFA301C	Apply first aid
RIIBEF201B	Plan and organise work
RIIBLA202A	Support underground shotfiring operations
RIIBLA203B	Conduct mobile mixing of explosives
RIIERR203B	Escape from a hazardous situation unaided

RIIERR205A	Apply initial response First Aid
RIIENV202A	Suppress airborne contaminants
RIIHAN201A	Operate a forklift
RIIHAN203A	Conduct lifting operations
RIIHAN206A	Transport plant, equipment and personnel
RIIHAN207A	Operate personnel and materials hoists
RIIHAN208A	Perform dogging
RIIHAN209A	Perform basic rigging
RIIHAN210A	Perform intermediate rigging operations
RIIHAN212A	Conduct non-slewing crane operations
RIIHAN305A	Operate a gantry or overhead crane
RIIMPO332A	Conduct operations with skid steer loader
RIIOHS202A	Enter and work in confined spaces
RIIOHS204A	Work safely at heights
RIISAM202A	Isolate and access plant
RIISAM207A	Apply operational maintenance skills
RIISAM212A	Service mine plant and equipment
RIISAM301A	Test operational functions of vehicles and equipment
RIIVEH306A	Operate mine service vehicle