



Australian Government

RII30320 Certificate III in Underground Metalliferous Mining

RII30320 Certificate III in Underground Metalliferous Mining

Modification History

Release	Comments
3	Superseded elective units updated
2	This version was released with RII Resources and Infrastructure Industry Training Package Version 7.1. This release removed RIICOM301E and added RIICOM302D to the core units.
1	This qualification was first released in RII Resources and Infrastructure Industry Training Package Release 7.0.

Qualification Description

This qualification reflects the role of individuals such as shot firers, drillers and production operators, working in underground metalliferous mining, who perform tasks involving a broad range of skilled applications in a varied work context, using some discretion and judgement in selecting equipment, services or contingency measures.

Licensing/Regulatory Information

Licensing, legislative and certification requirements that apply to this qualification can vary between states, territories, and industry sectors, and must be sourced from state jurisdictions prior to applying the qualification.

Entry Requirements

Nil

Packaging Rules

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

The qualification has core and elective units of competency that cover the skills for four specialist and one general underground metalliferous mining streams. The core and elective unit requirements of one of the following streams must be met for this qualification to be awarded.

- Charge Up
- Development
- Production
- Services and Infrastructure
- General

The achievement of a specialisation will be identified on testamurs as follows:

- RII30320 Certificate III in Underground Metalliferous Mining (Charge Up)
- RII30320 Certificate III in Underground Metalliferous Mining (Development)
- RII30320 Certificate III in Underground Metalliferous Mining (Production)
- RII30320 Certificate III in Underground Metalliferous Mining (Services and Infrastructure)
- RII30320 Certificate III in Underground Metalliferous Mining (General)

To be awarded the Certificate III in Underground Metalliferous Mining (Charge Up) the following packaging rules apply:

Total number of units = 14

6 core units plus

8 elective units, of which:

- at least 4 must be from Group A
- no more than 4 may be from Group E and/or Group F
- no more than 2 may be from elsewhere in this or any other currently endorsed training package, or from an accredited course.

To be awarded the Certificate III in Underground Metalliferous Mining (Development) the following packaging rules apply:

Total number of units = 14

6 core units plus

8 elective units, of which:

- at least 4 must be from Group B
- no more than 4 may be from Group E and/or Group F
- no more than 2 may be from elsewhere in this or any other currently endorsed training package, or from an accredited course.

To be awarded the Certificate III in Underground Metalliferous Mining (Production) the following packaging rules apply:

Total number of units = 14

6 core units plus

8 elective units, of which:

- at least 4 must be from Group C
- no more than 4 may be from Group E and/or Group F
- no more than 2 may be from elsewhere in this or any other currently endorsed training package, or from an accredited course.

To be awarded the Certificate III in Underground Metalliferous Mining (Services and Infrastructure) the following packaging rules apply:

Total number of units = 14

6 core units plus

8 elective units, of which:

- at least 4 must be from Group D
- no more than 4 may be from Group E and/or Group F
- no more than 2 may be from elsewhere in this or any other currently endorsed training package, or from an accredited course.

To be awarded the Certificate III in Underground Metalliferous Mining (General) the following packaging rules apply:

Total number of units = 14

6 core units plus

8 elective units, of which:

- at least 4 must be from Group E
- no more than 4 may be from Group F
- no more than 2 may be from elsewhere in this or any other currently endorsed training package, or from an accredited course.

Elective units must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid industry-supported vocational outcome.

The elective bank contains both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. To be appointed under any statutory requirements in related roles, units of competency should be selected to meet the state/territory licensing requirements.

There are prerequisites to imported units listed in this qualification. Where a unit is imported as an elective care must be taken to ensure that all prerequisites specified are complied with.

Core units of competency	
<i>Unit code</i>	<i>Unit title</i>
RIICOM302D	Communicate workplace information
RIIENV201E	Identify and assess environmental and heritage concerns

RIIMEX302D	Assess ground conditions
RIIQUA201E	Maintain and monitor site quality standards
RIIRIS301E	Apply risk management processes
RIIWHS201E	Work safely and follow WHS policies and procedures
Electives	
Group A (Charge up)	
<i>Unit code</i>	<i>Unit title</i>
RIIBLA201E	Support shotfiring operations
RIIBLA202F	Support underground shotfiring operations
RIIBLA205E	Store, handle and transport explosives
RIIBLA303E	Conduct underground development shotfiring
RIIBLA304E	Conduct underground production shotfiring
RIIBLA305E	Conduct secondary blasting
RIIBLA401E	Manage blasting operations
Group B (Development)	
<i>Unit code</i>	<i>Unit title</i>
RIIBHD302E	Conduct underground development drilling
RIIBHD303E	Conduct long hole drilling
RIIMPO333E	Conduct underground load, haul and dump truck operations
RIINHB312D	Conduct raise boring
RIIUMM303D	Conduct hand held mining
RIIUMM306D	Conduct mechanical scaling
RIIUND307D	Conduct tele-remote operations
RIIUND309D	Conduct mechanical underground ground support drilling and installation
RIIUND310E	Apply shotcrete underground

Group C (Production)	
<i>Unit code</i>	<i>Unit title</i>
RIIBEF302E	Monitor site production activities
RIIBHD303E	Conduct long hole drilling
RIIHAN304E	Conduct slewing crane operations
RIIHAN309F	Conduct telescopic materials handler operations
RIIHAN310E	Conduct crane operations underground
RIIHAN311F	Conduct operations with integrated tool carrier
RIIMPG301D	Control and monitor automated plant/machinery
RIIMPO307E	Conduct wheel grader operations in underground mines
RIIMPO333E	Conduct underground load, haul and dump truck operations
RIIMPO334E	Conduct skid steer loader operations using attachments
RIIMPO335E	Conduct skid steer loader operations without attachments
RIINHB312D	Conduct raise boring
RIIUMM303D	Conduct hand held mining
RIIUND307D	Conduct tele-remote operations
RIIVEH306E	Operate a mine service vehicle
Group D (Services and infrastructure)	
<i>Unit code</i>	<i>Unit title</i>
RIIBEF301D	Run on-site operations
RIIBEF401E	Manage non-routine and complex technical situations
RIIMPG301D	Control and monitor automated plant/machinery
RIIMSM307D	Install and maintain ventilation systems and equipment
RIINHB312D	Conduct raise boring
RIISAM306E	Service and maintain conveyors, feeders and hoppers

RIISAM307E	Service and maintain crushers
RIISRM302E	Conduct stockpile reclaiming operations
RIIUMM304D	Construct and maintain underground roads
RIIUMM305D	Install and remove a secondary fan
RIIUMM307D	Maintain underground stockpiles
RIIUND301E	Operate manual winder
RIIUND302E	Conduct cage operations
RIIUND303E	Operate winder for shaft sinking
Group E (General 1)	
<i>Unit code</i>	<i>Unit title</i>
BSBOPS402	Coordinate business operational plans
RIIBEF301D	Run on-site operations
RIIBEF401E	Manage non-routine and complex technical situations
RIIBHD302E	Conduct underground development drilling
RIIBHD303E	Conduct long hole drilling
RIIBLA303E	Conduct underground development shotfiring
RIIBLA304E	Conduct underground production shotfiring
RIIBLA305E	Conduct secondary blasting
RIIMPG301D	Control and monitor automated plant/machinery
RIIMPO307E	Conduct wheel grader operations in underground mines
RIIMPO333E	Conduct underground load, haul and dump truck operations
RIINHB312D	Conduct raise boring
RIISAM202E	Isolate and access plant
RIISAM306E	Service and maintain conveyors, feeders and hoppers
RIISAM307E	Service and maintain crushers

RIISRM302E	Conduct stockpile reclaiming operations
RIIUMM303D	Conduct hand held mining
RIIUMM304D	Construct and maintain underground roads
RIIUMM305D	Install and remove a secondary fan
RIIUMM306D	Conduct mechanical scaling
RIIUMM307D	Maintain underground stockpiles
RIIUND205E	Respond to a workforce incident
RIIUND301E	Operate manual winder
RIIUND302E	Conduct cage operations
RIIUND303E	Operate winder for shaft sinking
RIIUND305D	Recover underground equipment
RIIUND307D	Conduct tele-remote operations
RIIUND309D	Conduct mechanical underground ground support drilling and installation
RIIVEH306E	Operate a mine service vehicle
RIIWHS301E	Conduct safety and health investigations
Group F (General 2)	
<i>Unit code</i>	<i>Unit title</i>
BSBSTR401	Promote innovation in team environments
BSBTWK301	Use inclusive work practices
MSMPER200	Work in accordance with an issued permit
MSMPER300*	Issue work permits
MSMWHS201	Conduct hazard analysis
RIIBEF302E	Monitor site production activities
RIIBLA201E	Support shotfiring operations
RIIBLA205E	Store, handle and transport explosives

RIICAR302D	Rehabilitate small mine site
RIIERR203E	Escape from hazardous situations unaided
RIIERR204E	Provide aided rescue to endangered personnel
RIIERR302E	Respond to local emergencies and incidents
RIIHAN304E	Conduct slewing crane operations
RIIHAN309F	Conduct telescopic materials handler operations
RIIHAN310E	Conduct crane operations underground
RIIHAN311F	Conduct operations with integrated tool carrier
RIIMPO334E	Conduct skid steer loader operations using attachments
RIIMPO335E	Conduct skid steer loader operations without attachments
RIIRIS202E	Respond to site based spills
RIISTD301D	Take environmental samples and measurements
RIIUND310E	Apply shotcrete underground
TLILIC0022	Licence to operate a slewing mobile crane (up to 20 tonnes)

Pre-requisite Requirements

Unit of competency	Prerequisite requirement
MSMPER300 Issue work permits	MSMWHS201 Conduct hazard analysis

Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
RII30320 Certificate III in Underground Metalliferous Mining	RII30315 Certificate III in Underground Metalliferous Mining		Equivalent

Links

Companion volumes, including implementation guides, are found on the national training register - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>.