



Australian Government

RII30220 Certificate III in Underground Coal Operations

RII30220 Certificate III in Underground Coal Operations

Modification History

Release	Comments
4	Superseded elective units updated
3	<p>This version was released with RII Resources and Infrastructure Industry Training Package Version 7.1.</p> <p>The following elective units of competency have been reinstated as directed by the AISC:</p> <ul style="list-style-type: none"> • RIPEO207E Carry out conveyor system shift • RIPEO208E Extend, retract and maintain conveyor componentry.
2	<p>This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.</p> <p>The following elective units of competency have been deleted as directed by the AISC:</p> <ul style="list-style-type: none"> • RIPEO207E Carry out conveyor system shift • RIPEO208E Extend, retract and maintain conveyor componentry. <p>The above training products were identified as having zero enrolments over a three year period.</p> <p>Version created to reflect minor change in the packaging rules to include the following units of competency:</p> <ul style="list-style-type: none"> • RIIMCU218 Work safely with polymeric chemicals in underground coal mining • RIIMCU312 Conduct polymeric chemical operations in underground coal mining • RIIMCU313 Mix and pump polymeric chemicals in underground coal mining • RIIMCU314 Transport and handle polymeric chemicals in underground coal mining.
1	This qualification was first released in RII Resources and Infrastructure Industry Training Package Release 5.0.

Qualification Description

This qualification reflects the role of skilled workers, including production operators, working in underground coal mines, who perform tasks involving a broad range of skilled applications in varied work contexts, using some discretion and judgement in selecting equipment, services and 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

Successful completion of the following or equivalent:

- RIICOM201E Communicate in the workplace
- RIIERR203E Escape from hazardous situation unaided
- RIIERR205D Apply initial response first aid
- RIIGOV201E Comply with site work processes/procedures
- RIIMCU217 Apply spontaneous combustion management measures
- RIIMCU208E Conduct basic strata control operations
- RIIMCU214E Conduct ventilation operations
- RIIRIS201E Conduct local risk control
- RIIWHS201E Work safely and follow WHS policies and procedures.

Packaging Rules

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

Specialisations

The qualification has core and elective units of competency that cover the skills for the following four (4) specialisations:

- Specialisation 1 – Continuous Mining Operations
- Specialisation 2 – High Wall Mining Operations
- Specialisation 3 – Longwall Operations
- Specialisation 4 – Services

The core and elective unit requirements of one (1) stream must be met for this qualification to be awarded.

All elective units chosen from outside this qualification must reflect current occupational and learning outcomes of this AQF qualification level.

There are both licensed and non-licensed units of competency relating to high risk work in the Resources and Infrastructure Industry Training Package. To be appointed under any statutory requirements in related roles, units of competency should be chosen to meet the state/territory licensing requirements.

There are no 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.

To be awarded the Certificate III in Underground Coal Operations (Continuous Mining Operations) the following packaging rules apply:

Total number of units = 11

- **3 core units** plus
- **8 elective units**, of which:
 - three (3) must be chosen from the electives in Group A
 - at least three (3) must be chosen from the electives in Group B
 - up to two (2) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

To be awarded the Certificate III in Underground Coal Operations (High Wall Mining Operations) the following packaging rules apply:

Total number of units = 9

- **3 core units** plus
- **6 elective units**, of which:
 - three (3) must be chosen from the electives in Group C
 - at least one (1) must be chosen from the electives in Group D
 - up to two (2) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

To be awarded the Certificate III in Underground Coal Operations (Longwall Operations) the following packaging rules apply:

Total number of units = 12

- **3 core units** plus
- **9 elective units**, of which:
 - three (3) must be chosen from the electives in Group E
 - at least three (3) must be chosen from the electives in Group F

- up to two (2) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

To be awarded the Certificate III in Underground Coal Operations (Services) the following packaging rules apply:

Total number of units = 12

- **3 core units** plus
- **9 elective units**, of which:
 - at least two (2) must be chosen from the electives in Group G
 - at least four (4) must be chosen from the electives in Group H
 - up to two (3) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Core units of competency	
<i>Unit code</i>	<i>Unit title</i>
RIIERR201E	Conduct fire team operations
RIIRIS301E	Apply risk management processes
RIIUND207E	Conduct underground lifting operations
Electives	
Group A (Continuous mining operations)	
<i>Unit code</i>	<i>Unit title</i>
RIIMCU210D	Conduct stonedusting operations
RIIMCU301E	Conduct specialised strata control operations
RIIMCU303E	Conduct continuous miner operations
Group B (Continuous mining operations)	
<i>Unit code</i>	<i>Unit title</i>
RIIENV301E	Conduct atmospheric monitoring
RIIMCU201D	Operate power tram
RIIMCU202D	Conduct tracked vehicle/plant operations
RIIMCU203D	Conduct wheeled vehicle operations (non-articulated)

RIIMCU204D	Conduct wheeled vehicle operations (articulated)
RIIMCU213E	Conduct feeder breaker operations
RIIMCU304E	Conduct shuttle car operations
RIIMCU305E	Conduct outburst mining operations
RIIMCU309E	Operate breaker line supports
RIIMCU310E	Conduct flexible conveyor train (FCT) operations
RIIMCU401E	Conduct special roadway operations
Group C (High wall mining operations)	
<i>Unit code</i>	<i>Unit title</i>
RIIENV301E	Conduct atmospheric monitoring
RIIPEO202E	Provide deck support for conveyor-car high wall mining operations
RIIPEO301E	Conduct conveyor-car high wall mining operations
Group D (High wall mining operations)	
<i>Unit code</i>	<i>Unit title</i>
RIIHAN201E	Operate a forklift
RIIMPO304E	Conduct wheel loader operations
Group E (Longwall operations)	
<i>Unit code</i>	<i>Unit title</i>
RIIMCU215D	Operate longwall ancillary equipment
RIIMCU306E	Conduct shearer operations
RIIMCU307E	Conduct longwall face equipment operations
Group F (Longwall operations)	
<i>Unit code</i>	<i>Unit title</i>
RIIENV301E	Conduct atmospheric monitoring
RIIMCU201D	Operate power tram

RIIMCU202D	Conduct tracked vehicle/plant operations
RIIMCU203D	Conduct wheeled vehicle operations (non-articulated)
RIIMCU204D	Conduct wheeled vehicle operations (articulated)
RIIMCU210D	Conduct stonedusting operations
RIIMCU301E	Conduct specialised strata control operations
RIIMCU308E	Install and recover longwall equipment
Group G (Services)	
<i>Unit code</i>	<i>Unit title</i>
RIIENV301E	Conduct atmospheric monitoring
RIIMCU301E	Conduct specialised strata control operations
RIIMCU302F	Construct and maintain ventilation devices
RIIMCU308E	Install and recover longwall equipment
RIIUND201D	Install, maintain and recover reticulation systems
Group H (Services)	
<i>Unit code</i>	<i>Unit title</i>
RIIHAN208E	Perform dogging
RIIHAN209E	Perform basic rigging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN307E	Operate a vehicle loading crane
RIIMCU201D	Operate power tram
RIIMCU203D	Conduct wheeled vehicle operations (non-articulated)
RIIMCU204D	Conduct wheeled vehicle operations (articulated)
RIIMCU206D	Install, maintain and recover gas drainage systems
RIIMCU207D	Install, maintain and recover electrical services
RIIMCU209E	Conduct roadway maintenance

RIIMCU210D	Conduct stonedusting operations
RIIMCU218	Work safely with polymeric chemicals in underground coal mining
RIIMCU312	Conduct polymeric chemical operations in underground coal mining
RIIMCU313	Mix and pump polymeric chemicals in underground coal mining
RIIMCU314	Transport and store polymeric chemicals in underground coal mining
RIIMCU401E	Conduct special roadway operations
RIIMPO307E	Conduct wheel grader operations in underground mines
RIINHB304E	Conduct reverse circulation drilling operations
RIINHB310D	Conduct surface directional drilling
RIIPEO207E	Carry out conveyor system shift
RIIPEO208E	Extend, retract and maintain conveyor componentry
RIISAM304E	Install, commission and maintain major conveyor equipment and systems
RIIUND208E	Conduct skip operations
RIIUND209E	Operate automated winder
RIIUND301E	Operate manual winder
RIIUND302E	Conduct cage operations
RIIUND303E	Operate winder for shaft sinking
Group I (General underground coal operations)	
<i>Unit code</i>	<i>Unit title</i>
AURKTJ011	Remove, inspect and fit earthmoving and off-the-road tyres
AURKTJ012	Remove, inspect and fit earthmoving and off-the-road wheel and rim assemblies
RIIBLA202F	Support underground shotfiring operations

RIIBLA204E	Store, handle and transport explosives in underground coal mines
RIIBLA302E	Conduct shotfiring operations in underground coal mines
RIICOM301E	Communicate information
RIIERR204E	Provide aided rescue to endangered personnel
RIIERR301E	Respond to work site incidents
RIIERR302E	Respond to local emergencies and incidents
RIIERR303E	Operate in self-contained regenerative oxygen breathing apparatus
RIIERR405	Control emergencies and critical situations
RIIERR305E	Control underground fires
RIIERR306E	Conduct underground searches
RIIERR307E	Extricate casualties from underground incidents
RIIERR308E	Extricate and transport people involved in incidents
RIIERR309D	Establish and operate from fresh air base
RIIERR406	Provide support for rescue operations
RIIHAN201E	Operate a forklift
RIIHAN208E	Perform dogging
RIIHAN209E	Perform basic rigging
RIIHAN210D	Perform intermediate rigging operations
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN212E	Conduct non-slewing crane operations
RIIHAN301E	Operate elevating work platform
RIIHAN302D	Conduct intermediate scaffolding operations
RIIHAN305D	Operate a gantry or overhead crane
RIIMCU311E	Monitor control processes

RIIMPO208F	Operate support equipment
RIIQUA201E	Maintain and monitor site quality standards
RIIRIS202E	Respond to site based spills
RIISAM205E	Cut, weld and bend materials
RIISAM207E	Apply operational maintenance skills
RIISAM212E	Service mine plant and equipment
RIISAM301F	Test operational functions of vehicles and equipment
RIISAM315A	Manage tyre, wheel and rim assembly applications
RIIUND205E	Respond to a workforce incident
RIIVEH201E	Operate a light vehicle
RIIVEH202F	Operate a medium vehicle
RIIWHS301E	Conduct safety and health investigations

Pre-requisite Requirements

Unit of competency	Prerequisite requirement
RIIERR305E Control underground fires	PUAFIR207 Operate breathing apparatus open circuit RIIERR303E Operate in self-contained regenerative oxygen breathing apparatus
RIIERR307E Extricate casualties from underground incidents	PUAFIR207B Operate breathing apparatus open circuit RIIERR303E Operate in self-contained regenerative oxygen breathing apparatus
RIIERR308E Extricate and transport people involved in incidents	PUAFIR207B Operate breathing apparatus open circuit RIIERR303E Operate in self-contained regenerative oxygen breathing apparatus
RIISAM315A Manage tyre, wheel and rim assembly applications	AURKTJ011 Remove, inspect and fit earthmoving and off-the-road tyres

	<p>AURKTJ012 Remove, inspect and fit earthmoving and off-the-road wheel and rim assemblies</p> <p>RIISAM210D Remove and fit wheel assemblies</p> <p>RIISAM211D Remove, repair and refit tyres and tubes</p>
--	---

Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
RII30220 Certificate III in Underground Coal Operations	RII30218 Certificate III in Underground Coal Operations		Not 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>.