



**Australian Government**

# **RII30413 Certificate III in Resource Processing**

**Release 2**

## RII30413 Certificate III in Resource Processing

### Modification History

Release	Comments
1.0	Packaging rules changed to remove the requirement for Coal Mining and create a separate group.
1.1	Superseded imported units updated.

### Qualification Description

This qualification reflects the role of employees such as production operators in a metalliferous processing facility or a coal preparation and treatment plant, 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, legislative, regulatory and certification requirements that apply to this qualification can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the qualification.

### Entry Requirements

There are no entry requirements for this qualification.

## Packaging Rules

Requirements for completion of the qualification

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

Successful completion of thirteen (13) units of competency made up of:

- four (4) core units, and
- nine (9) elective units of which:
  - one (1) must be chosen from group A
  - at least six (6) must be chosen come from group B
  - up to two (2) may be chosen from group C and/or group D
  - up to two (2) unit may be chosen from Certificate II, Certificate III or Certificate IV level from this, or any other Training Package or accredited course

Units chosen must be relevant to the job function.

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 selected 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.

**RIIGOV201D** Comply with site work processes/procedures is mandatory for those working in Coal Mining in NSW.

**RIIERR302D** Respond to local emergencies and incidents is mandatory for those working in Coal Mining in NSW.

Core units of competency	
<i>Unit code</i>	<i>Unit title</i>
RIIENV302D	Apply environmentally sustainable work practices
RIICOM201D	Communicate in the workplace
RIIWHS201D	Work safely and follow WHS policies and procedures
RIIRIS301D	Apply risk management processes
Electives	
Group A	
<i>Unit code</i>	<i>Unit title</i>
RIIQUA201D	Maintain and monitor site quality standards
RIIGOV201D	Comply with site work processes/procedures <i>(Mandatory for Coal Mining in NSW)</i>
Group B	

<i>Unit code</i>	<i>Unit title</i>
FPPSTM320A	Manage steam boiler startup
FPPSTM330A	Shut down and store steam boiler
PMAOPS206B	Operate separation equipment
PMAOPS307B	Transfer bulk fluids into/out of storage facility
PMAOPS330B	Communicate and monitor pipeline activities
MSAPMPER300C	Issue work permits
RIICOM301D	Communicate information
RIICOM302D	Communicate workplace information
RIIERR302D	Respond to local emergencies and incidents <i>(Mandatory for Coal Mining in NSW)</i>
RIIHAN311D	Conduct operations with integrated tool carrier
RIIMCP301D	Monitor coal preparation plant operations
RIIMPG301D	Control and monitor automated plant/machinery
RIIMPO304D	Conduct wheel loader operations
RIIMPO305D	Conduct coal stockpile dozer operations
RIIMPO306D	Operate plant/machinery on live stockpiles
RIIMPO308D	Conduct tracked dozer operations
RIIMPO309D	Conduct wheeled dozer operations
RIIMPO310D	Conduct grader operations
RIIMPO336D	Conduct belly dump truck operations
RIIMPO337D	Conduct articulated truck operations
RIIMPO338D	Conduct rigid haul truck operations
RIIMPO331D	Conduct stockpile dozer operations
RIIWHS301D	Conduct safety and health investigation
RIIPBE301D	Conduct calcinations activities
RIIPBE302D	Conduct bacterial oxidation
RIIPBE303D	Conduct filtering process
RIIPBE304D	Conduct heavy media separation
RIIPBE305D	Conduct high tension separation
RIIPBE306D	Conduct leaching process
RIIPBE307D	Conduct pressure oxidation

RIIPBE308D	Conduct thickening and clarifying process
RIIPBE309D	Conduct wet gravity separation
RIIPBE310D	Conduct flotation process
RIIPBE311D	Conduct magnetic separation
RIIPBP301D	Process lime products
RIIPBP302D	Control acid plant operations
RIIPEO201D	Conduct conveyor operations
RIIPEO203D	Conduct stacker operations
RIIPEO205D	Conduct ship loading operations
RIIPEO302D	Operate and monitor ore car dumpers
RIIPGP201D	Conduct pump operations
RIIPGP202D	Handle reagents
RIIPGP301D	Conduct drying activities
RIIPGP302D	Monitor and operate auxiliary plant and equipment
RIIPHA301D	Conduct milling/grinding
RIIPHA302D	Operate and monitor filter processes
RIIPRE301D	Conduct electrowinning/electrorefining operations
RIIPRE302D	Conduct elution processes
RIIPRE303D	Conduct gold room operations
RIIPRE304D	Monitor casting quality
RIIPRO301D	Conduct crushing and screening plant operations
RIIPRO302D	Perform processing control room operations
RIIPSM301D	Cast a blast furnace
RIIPSM302D	Cast ingots
RIIPSM303D	Operate a blast furnace
RIIPSM304D	Operate furnaces
RIIPSM305D	Operate converters
RIIPSM306D	Supply molten metal and additives to furnaces
RIIPSM307D	Control molten metal in holding furnace/vessel
RIIPSM308D	Monitor and maintain furnace gas efficiency
RIIPSM309D	Monitor and maintain flue gas efficiency
RIISAM202D	Isolate and access plant
RIISRM301D	Blend stockpile materials

RIISRM302D	Conduct stockpile reclaiming operations
RIISRM304D	Maintain stockpiles
RIIWBP203D	Monitor tailings dam environment
RIIWMG302D	Reclaim and treat water system
UEPOPS316B	Operate and monitor boiler steam/water cycle
Group C	
<i>Unit code</i>	<i>Unit title</i>
BSBPUR301B	Purchase goods and services
BSBRKG304B	Maintain business records
PMAOPS223B	Operate and monitor valve systems
PMAOPS230B	Monitor, operate and maintain pipeline stations and equipment
PMAOPS335A	Conduct pipeline pigging
PMAOPS202B	Operate fluid mixing equipment
PMAOPS205B	Operate heat exchangers
PMAOPS207B	Operate powered separation equipment
PMAOPS208B	Operate chemical separation equipment
MSL943001A	Work safely with instruments that emit ionizing radiation
RIIBLA306D	Conduct accretion firing
RIIERR205D	Apply initial response First Aid
RIIERR301D	Respond to mine incident
RIIERR302D	Respond to local emergencies and incidents
RIIERR303D	Operate in self-contained regenerative oxygen breathing apparatus
RIIERR308D	Extricate and transport people involved in incidents
RIIHAN305D	Operate a gantry or overhead crane
RIIHAN307D	Operate a vehicle loading crane
RIIMCP202D	Conduct rail dispatch operations
RIIMEX203D	Break oversize rock
RIIMPG201D	Connect and disconnect reefer units
RIIMPO206D	Conduct bulk water truck operations
RIIMPO208D	Operate support equipment

RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIPBE201D	Conduct aeration process
RIIPBE202D	Conduct digestion process
RIIPBE203D	Conduct precipitation operations
RIIPBE204D	Conduct reduction process
RIIPBE205D	Conduct roasting operations
RIIPBP202D	Conduct air cleaning activities
RIIPEO201D	Conduct conveyor operations
RIIPEO204D	Conduct shore side mooring operations
RIIPGP201D	Conduct pump operations
RIIPGP202D	Handle reagents
RIIPGP203D	Operate compressors
RIIPGP204D	Carry out bore-field operations
RIIPHA201D	Operate raw material feed systems
RIIPRE201D	Conduct solvent extraction
RIIPRE202D	Prepare and carry out electrolytic cleaning process
RIIPRE203D	Prepare for sintering activities
RIIPRE204D	Sinter materials
RIIPRO202D	Conduct screening and conveying operations
RIIPRO204D	Bulk package and store product
RIIPRO205D	Conduct blending plant operations
RIIPSM201D	Tap furnaces
RIIPSM202D	Prepare for pelletising activities
RIIPSM203D	Produce pellets
RIIRIS202D	Respond to site based spills
RIISAM214D	Provide support to electrical tradesperson
RIISAM301D	Test operational functions of vehicles and equipment
RIISAM304D	Install, commission and maintain major conveyor equipment and systems
RIISAM305D	Repair and splice conveyor belting
RIISTD301D	Take environmental samples and measurements
RIIVEH201D	Operate light vehicle

RIIVEH302D	Operate multi-combination vehicle
RIIWBP201D	Treat and dispose of rejects and tailings
RIIWBP202D	Distribute tailings
RIIWBP203D	Monitor tailings dam environment
TLIA2009A	Complete and check import/export documentation
Group D	
<i>Unit code</i>	<i>Unit title</i>
TLILIC0012A	Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above)
TLILIC3003A	Licence to operate a bridge or gantry crane
TLILIC3018B	Licence to drive a multi combination vehicle

## Qualification Mapping Information

No equivalent qualification

## Links

SkillsDMC RII Companion Volume - <http://www.skillsdmc.com.au/>