



**Australian Government**

# **RII30420 Certificate III in Resource Processing**

# RII30420 Certificate III in Resource Processing

## Modification History

Release	Comments
2	Superseded elective units updated
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 production operators, working in metalliferous processing facilities or coal preparation and treatment plants, 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.

Total number of units = 13

- **4 core units** plus
- **9 elective units**, of which:
  - 1 must be from Group A
  - at least 6 must be from Group B
  - no more than 2 may be from Group C

- 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.

<b>Core units of competency</b>	
<i>Unit code</i>	<i>Unit title</i>
RIICOM201E	Communicate in the workplace
RIIENV201E	Identify and assess environmental and heritage concerns
RIIRIS301E	Apply risk management processes
RIIWHS201E	Work safely and follow WHS policies and procedures
<b>Electives</b>	
<b>Group A</b>	
<i>Unit code</i>	<i>Unit title</i>
MSMPER200	Work in accordance with an issued permit
MSMPER300*	Issue work permits
RIIGOV201E	Comply with site work processes/procedures
RIIQUA201E	Maintain and monitor site quality standards
<b>Group B</b>	
<i>Unit code</i>	<i>Unit title</i>
MSL943003	Work safely with instruments that emit ionising radiation
PMAOPS338	Communicate and monitor pipeline activities
PMAOPS342	Conduct pipeline pigging

PMAOPS343	Transfer bulk fluids into/out of storage facility
PPMSTM301	Perform steam boiler operations
RIICOM301E	Communicate information
RIIERR302E	Respond to local emergencies and incidents
RIIHAN309F	Conduct telescopic materials handler operations
RIIHAN311F	Conduct operations with integrated tool carrier
RIIMCP301D	Monitor plant operations for coal preparation
RIIMPG301D	Control and monitor automated plant/machinery
RIIMPO301E	Conduct hydraulic excavator operations
RIIMPO304E	Conduct wheel loader operations
RIIMPO305F	Conduct coal stockpile dozer operations
RIIMPO306D	Operate plant/machinery on live stockpiles
RIIMPO308F	Conduct tracked dozer operations
RIIMPO309F	Conduct wheeled dozer operations
RIIMPO310F	Conduct grader operations
RIIMPO319E	Conduct backhoe/loader operations
RIIMPO331E	Conduct operations with stockpile dozer
RIIMPO334E	Conduct skid steer loader operations using attachments
RIIMPO335E	Conduct skid steer loader operations without attachments
RIIMPO336E	Conduct belly dump truck operations
RIIMPO337E	Conduct articulated haul truck operations
RIIMPO338E	Conduct rigid haul truck operations
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
RIIPBE308D	Conduct thickening and clarifying process
RIIPBE309D	Conduct wet gravity separation
RIIPBE310D	Conduct flotation process
RIIPBE311D	Conduct magnetic separation
RIIPEO201E	Conduct conveyor operations
RIIPEO203D	Conduct stacker operations
RIIPEO205D	Conduct ship loading operations
RIIPEO302E	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/electro-refining operations
RIIPRE302D	Conduct elution processes
RIIPRE303D	Conduct gold room operations
RIIPRO301D	Conduct crushing and screening plant operations
RIIPRO302D	Perform process control room operations
RIIPSM302D	Cast ingots
RIIPSM304D	Operate furnaces
RIISAM202E	Isolate and access plant

RIISRM301E	Blend stockpile materials
RIISRM302E	Conduct stockpile reclaiming operations
RIISRM304E	Maintain stockpiles
RIIWBP203E	Monitor tailings dam environments
RIIWS301E	Conduct safety and health investigations
RIIWMG302D	Reclaim and treat water
UEPOPS083	Operate and monitor boiler steam/water cycle
<b>Group C</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBINS309	Maintain business records
BSBTWK301	Use inclusive work practices
MSMWS201	Conduct hazard analysis
PMAOPS202	Operate fluid mixing equipment
PMAOPS205	Operate heat exchangers
PMAOPS208	Operate chemical separation equipment
PMAOPS223	Operate and monitor valve systems
PMAOPS230	Monitor, operate and maintain pipeline stations and equipment
PMAOPS246	Operate separation equipment
PMAOPS247	Operate powered separation equipment
RIIERR205D	Apply initial response First Aid
RIIERR301E	Respond to work site incidents
RIIERR303E	Operate in self-contained regenerative oxygen breathing apparatus
RIIERR308E	Extricate and transport people involved in incidents
RIIHAN305D	Operate a gantry or overhead crane

RIIHAN307E	Operate a vehicle loading crane
RIIMCP202D	Conduct rail dispatch operations
RIIMEX203D	Break oversize rock
RIIMPO206D	Conduct bulk water truck operations
RIIMPO208F	Operate support equipment
RIIPBE201D	Conduct aeration process
RIIPBE202D	Conduct digestion process
RIIPBE203D	Conduct precipitation operations
RIIPBE204D	Conduct reduction process
RIIPEO204D	Conduct shore side mooring operations
RIIPGP203D	Operate compressors
RIIPHA201D	Operate raw material feed systems
RIIPRO202D	Conduct screening and conveying operations
RIIPRO204D	Bulk package and store product
RIIPRO205D	Conduct blending plant operations
RIIRIS202E	Respond to site based spills
RIISAM301F	Test operational functions of vehicles and equipment
RIISAM304E	Install, commission and maintain major conveyor equipment and systems
RIISTD301D	Take environmental samples and measurements
RIIVEH201E	Operate a light vehicle
RIIVEH302E	Operate multi-combination vehicle
RIIVEH304E	Conduct tip truck operations
RIIVEH305F	Operate and maintain a four wheel drive vehicle
RIIWBP201E	Treat and dispose of rejects and tailings
RIIWBP202E	Distribute tailings

RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
TLIA0003	Complete and check import/export documentation
TLILIC0016	Licence to operate a bridge and gantry crane
TLILIC3018	Licence to drive a multi-combination vehicle
TLILIC0024	Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above)

## Pre-requisite Requirements

Unit of competency	Prerequisite requirement
MSMPER300 Issue work permits	MSMWHS201 Conduct hazard analysis
RIIERR308E Extricate and transport people involved in incidents	PUAFIR207B Operate breathing apparatus open circuit RIIERR303E Operate in self-contained regenerative oxygen breathing apparatus

## Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
RII30420 Certificate III in Resource Processing	RII30415 Certificate III in Resource Processing		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>.