



**Australian Government**

# **RII30415 Certificate III in Resource Processing**

**Release: 5**

## RII30415 Certificate III in Resource Processing

### Modification History

Release	Comments
1	This qualification replaces RII30413 Certificate III in Resource Processing. Amended packaging rules. Elective Groups C and D combined. Added RIIVEH305E Operate and maintain a four wheel drive vehicle and BSBDIV301 Work effectively with diversity to Group C electives. Updated codes of imported units. Added qualification mapping information.
2	This version was released with RII Resources and Infrastructure Training Package version 3.0.
3	Editorial corrections.
4	Minor change to add the following units of competency to the elective list: RIIPEO201E Conduct conveyor operations RIIPEO302E Operate and monitor ore car dumpers RIIPHA303D Operate agglomeration circuit RIIVEH302E Operate multi-combination vehicle
5	Minor amendment to accurately reflect elective unit RIIWHS301D Conduct safety and health investigations.

### 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

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:

- one (1) must be chosen from Group A
- at least six (6) must be chosen come from Group B
- no more than two (2) may be chosen from Group C
- no more than two (2) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

All elective units selected 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 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>
RIICOM201D	Communicate in the workplace
RIIENV302D	Apply environmentally sustainable work practices
RIIRIS301D	Apply risk management processes
RIIWHS201D	Work safely and follow WHS policies and procedures
<b>Electives</b>	
<b>Group A</b>	
<i>Unit code</i>	<i>Unit title</i>
MSMPER300	Issue work permits <ul style="list-style-type: none"> <li>• Prerequisite unit: MSMWHS201 Conduct hazard analysis</li> </ul>
RIIGOV201D	Comply with site work processes/procedures
RIIQUA201D	Maintain and monitor site quality standards
<b>Group B</b>	
<i>Unit code</i>	<i>Unit title</i>

MSL943003	Work safety with instruments that emit ionising radiation
PPMSTM320	Manage steam boiler start up
PPMSTM330	Shut down and bank steam boiler
PMAOPS307	Transfer bulk fluids into/out of storage facility
PMAOPS330	Communicate and monitor pipeline activities
PMAOPS335	Conduct pipeline pigging
RIICOM301D	Communicate information
RIICOM302D	Communicate workplace information
RIIERR302E	Respond to local emergencies and incidents
RIIHAN311F	Conduct operations with integrated tool carrier
RIIMCP301D	Monitor coal preparation plant operations
RIIMPG301D	Control and monitor automated plant/machinery
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
RIIMPO331E	Conduct operations with stockpile dozer
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
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
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
RIIPHA303D	Operate agglomeration circuit
RIIPRE301D	Conduct electrowinning/electro refining 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
RIIWHS301D	Conduct safety and health investigation
RIIWMG302D	Reclaim and treat water system
UEPOPS316	Operate and monitor boiler steam/water cycle
<b>Group C</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBDIV301	Work effectively with diversity
BSBPUR301	Purchase goods and services
BSBRKG304	Maintain business records
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
RIIBLA306D	Conduct accretion firing
RIIERR205D	Apply initial response First Aid
RIIERR301D	Respond to mine incident
RIIERR302E	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
RIIHAN307E	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
RIIMPO208F	Operate support equipment
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
RIISAM301E	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
RIIVEH302E	Operate multi-combination vehicle
RIIVEH305E	Operate and maintain a four wheel drive vehicle
RIIWBP201D	Treat and dispose of rejects and tailings
RIIWBP202D	Distribute tailings
RIIWBP203D	Monitor tailings dam environment
RIIWHS202D	Enter and work in confined spaces

RIIWH204D	Work safely at heights
TLIA2009	Complete and check import/export documentation
TLILIC0002	Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above)
TLILIC0006	Licence to operate a bridge or gantry crane
TLILIC3018	Licence to drive a multi combination vehicle

## Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RII30415 Certificate III in Resource Processing	RII30413 Certificate III in Resource Processing	Packaging rules changed to clarify intent; elective Groups C and D combined; added an elective unit	Equivalent qualification

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

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