



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **RII20509 Certificate II in Resource Processing**

**Release: 2**

## **RII20509 Certificate II in Resource Processing**

### **Modification History**

Not applicable.

### **Description**

This qualification reflects the role of individuals working in a metal processing facility or a coal preparation plant, performing mainly routine, operational tasks using limited practical skills and fundamental operational knowledge, in a defined context under direct supervision.

### **Pathways Information**

Not applicable.

### **Licensing/Regulatory Information**

Not applicable.

### **Entry Requirements**

Not applicable.

## Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> <li>• speak clearly and directly</li> <li>• listen carefully to instructions and information</li> <li>• read and interpret work instructions and safety signs</li> <li>• calculate basic weights, distances and volumes</li> <li>• complete incident and maintenance reports</li> <li>• adjust communication style to meet the needs of people with diverse backgrounds</li> </ul>
Teamwork	<ul style="list-style-type: none"> <li>• apply teamwork in a range of situations, particularly in a safety context</li> <li>• contribute to the planning and execution of operations</li> <li>• work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability</li> <li>• recognise and respond sensitively to people from culturally and linguistically diverse backgrounds</li> </ul>
Problem-solving	<ul style="list-style-type: none"> <li>• adjust work methods in response to changing weather and site conditions</li> <li>• participate in team solutions to safety issues</li> </ul>
Initiative and enterprise	<ul style="list-style-type: none"> <li>• independently adapt to changing work conditions or different work areas</li> <li>• identify potential improvements to working practice and conditions</li> <li>• identify and assess risks in the workplace</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>• manage time and priorities to complete work</li> <li>• identify and obtain appropriate equipment and permits</li> <li>• identify potential hazards and prepare appropriate responses</li> <li>• follow procedures and techniques relevant to the equipment and work being done</li> </ul>
Self-management	<ul style="list-style-type: none"> <li>• take responsibility for planning and organising own work priorities and completing assigned tasks</li> <li>• monitor own performance to ensure work will be completed well and on time</li> <li>• understand the standard of work expected at a work site</li> </ul>
Learning	<ul style="list-style-type: none"> <li>• be willing to learn new ways of working</li> <li>• seek information to improve performance from people and</li> </ul>

	workplace documents like policies, procedures etc <ul style="list-style-type: none"> <li>• understand equipment characteristics, technical capabilities, limitations and procedures</li> </ul>
Technology	<ul style="list-style-type: none"> <li>• use technology to monitor and report on work progress</li> <li>• use communications technology appropriate to the workplace (email, mobile, radio, etc)</li> <li>• operate equipment safely</li> </ul>

## Packaging Rules

### Requirements for completion of the qualification

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

**Note about regulations:** RIIERR302A is Mandatory in NSW.

Successful completion of ten (10) units of competency made up of:

- five (5) Core units, and
- five (5) elective units of which:
  - at least four (4) must come from the Group A electives listed below
  - up to one (1) from the Group B electives listed below, or from AQF level II or III level in this, or any other Training Package.

Units of competency chosen must be relevant to the competency requirements for the job function.

Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

<b>Core units of competency</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBSUS201A	Participate in environmentally sustainable work practices
RIICOM201A	Communicate in the workplace
RIIOHS201A	Work safely and follow OHS policies and procedures
RIIRIS201B	Conduct local risk control
	<b><i>And either</i></b>
RIIQUA201A	Maintain and monitor site quality standards
	<b><i>OR</i></b>

RIIGOV201A	Comply with site work processes/procedures (Coal)
<b>Group A electives</b>	
<i>Unit code</i>	<i>Unit title</i>
MSAPMSUP101A	Clean workplace or equipment
PMAOPS202B	Operate fluid mixing equipment
PMAOPS205B	Operate heat exchangers
PMAOPS206B	Operate separation equipment
PMAOPS207B	Operate powered separation equipment
PMAOPS208B	Operate chemical separation equipment
PMAOPS223B	Operate and monitor valve systems
PMAOPS230B	Monitor, operate and maintain pipeline stations and equipment
PMAOPS307B	Transfer bulk fluids into/out of storage facility
MSL973001A	Perform basic tests
RIIERR302A	Respond to local emergencies and incidents ( <i>Mandatory in NSW</i> )
RIIMCP202A	Conduct rail dispatch operations
RIIMEX203B	Break oversize rock
RIIMPG201A	Connect and disconnect reefer units
RIIMPO206B	Conduct bulk water truck operations
RIIMPO208A	Operate support equipment
RIIMPO305B	Conduct coal stockpile dozer operations
RIIMPO306A	Operate plant/machinery on live stockpiles
RIIMPO308B	Conduct tracked dozer operations
RIIMPO331A	Conduct operations with stockpile dozer
RIIPBE201A	Conduct aeration process
RIIPBE202A	Conduct digestion process

RIIPBE203A	Conduct precipitation operations
RIIPBE204A	Conduct reduction process
RIIPBE205B	Conduct roasting operations
RIIPBP202A	Conduct air cleaning activities
RIIPEO201B	Conduct conveyor operations
RIIPEO203B	Conduct stacker operations
RIIPEO204A	Conduct shore side mooring operations
RIIPEO205A	Conduct ship loading operations
RIIPGP201A	Conduct pump operations
RIIPGP202A	Handle reagents
RIIPGP203A	Operate compressors
RIIPGP204A	Carry out bore-field operations
RIIPGP205A	Handle, store and use cyanide
RIIPHA201A	Operate raw material feed systems
RIIPRE201A	Conduct solvent extraction
RIIPRE202A	Prepare and carry out electrolytic cleaning process
RIIPRE203A	Prepare for sintering activities
RIIPRE204A	Sinter materials
RIIPRO201A	Conduct crushing operations
RIIPRO202A	Conduct screening and conveying operations
RIIPRO204A	Bulk package and store product
RIIPRO205A	Conduct blending plant operations
RIIPRO301C	Conduct crushing and screening plant operations
RIIPSM201A	Tap furnaces
RIIPSM202A	Prepare for pelletising activities

RIIPSM203A	Produce pellets
RIISRM302B	Conduct stockpile reclaiming operations
RIISAM214A	Provide support to electrical tradesperson
RIIWBP201A	Treat and dispose of rejects and tailings
RIIWBP202A	Distribute tailings
RIIWBP203B	Monitor tailings dam environment
<b>Group B electives</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBITU101A	Operate a personal computer
RIIBEF201B	Plan and organise work
RIIENV202A	Suppress airborne contaminants
RIIERR201A	Conduct fire team operations
RIIERR205A	Apply initial response First Aid
RIIHAN201A	Operate a forklift
RIIHAN203A	Conduct lifting operations
RIIHAN204A	Load and unload cargo/goods
RIIHAN205A	Secure cargo
RIIHAN206A	Transport plant, equipment and personnel
RIIHAN208A	Perform dogging
RIIHAN209A	Perform basic rigging
RIIHAN210A	Perform intermediate rigging operations
RIIHAN212A	Conduct non-slewing crane operations
RIIMCP301A	Monitor coal preparation plant operations
RIIOHS202A	Enter and work in confined spaces
RIIOHS204A	Work safely at heights

RIIPBP302A	Control acid plant operations
RIISAM202A	Isolate and access plant
RIISAM205A	Cut, weld and bend materials
RIISAM207A	Apply operational maintenance skills
RIISAM208A	Perform plant operational maintenance
RIISAM212A	Service mine plant and equipment
RIISTD202A	Collect routine site samples