



Australian Government

Department of Education, Employment and Workplace Relations

RII30111 Certificate III in Surface Extraction Operations

Release: 1

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Modification History

Not applicable.

Description

This qualification reflects the role of employees such as production operators in an open cut mine or quarry, 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.

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	• speak clearly and directly • listen carefully to instructions and information • read and interpret work instructions and safety signs • calculate basic weights, distances and volumes • complete incident and maintenance reports • adjust communication style to meet the needs of people with diverse backgrounds
Teamwork	• apply teamwork in a range of situations, particularly in a safety context • contribute to the planning and execution of operations • work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability • recognise and respond sensitively to people from culturally and linguistically diverse backgrounds
Problem-solving	• adjust work methods in response to changing weather and site conditions • participate in team solutions to safety issues
Initiative and enterprise	• independently adapt to changing work conditions or different work areas • identify potential improvements to working practice and conditions • identify and assess risks in the workplace
Planning and organising	• manage time and priorities to complete work • identify and obtain appropriate equipment and permits • identify potential hazards and prepare appropriate responses • follow procedures and techniques relevant to the equipment and work being done
Self-management	• take responsibility for planning and organising own work priorities and completing assigned tasks • monitor own performance to ensure work will be completed well and on time • understand the standard of work expected at a work site
Learning	• be willing to learn new ways of working • seek information to improve performance from people and

	workplace documents like policies, procedures etc • understand equipment characteristics, technical capabilities, limitations and procedures
Technology	• use technology to monitor and report on work progress • use communications technology appropriate to the workplace (email, mobile, radio, etc) • operate equipment safely

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.

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

- five (5) mandatory units, and
- eight (8) elective units of which:
 - at least three (3) must come from the specified electives listed below
 - up to three (3) from the general electives listed below
 - up to two (2) from Certificate II, Certificate III or Certificate IV level from this, or any other Training Package

Units chosen must be relevant to the job function.

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

The unit RIICOM301B is part of the Communicate information S1, S2, S3 suite of competencies required in Queensland for supervisors in the coal sector.

Mandatory units of competency	
<i>Unit code</i>	<i>Unit title</i>
RIIOHS201A	Work safely and follow OHS policies and procedures
RIIENV201A	Identify and assess environmental and heritage concerns
RIIRIS301A	Apply risk management processes
RIICOM301B	Communicate information
	OR

RIICOM302A	Communicate workplace information (except Coal)
	<i>And either</i>
RIIGOV201A	Comply with site work processes/procedures (Coal)
	<i>OR</i>

RIIQUA201A	Maintain and monitor site quality standards
Specified electives	
<i>Unit code</i>	<i>Unit title</i>
MSAPMPER300B	Issue work permits
RIIBHD301A	Conduct surface blast hole drilling operations
RIIBHD304A	Set up and prepare for open cut drilling operations
RIIBLA301A	Conduct surface shotfiring operations
RIIMCO301A	Conduct control centre operations
RIIMCO302A	Conduct surface miner operations
RIIMCO303A	Conduct auger miner operations
RIIMEX301A	Conduct dredging operations
RIIMEX302B	Assess ground conditions
RIIMPG301A	Control and monitor automated plant/machinery
RIIMPO206A	Conduct bulk water truck operations
RIIMPO301B	Conduct hydraulic excavator operations
RIIMPO302B	Conduct hydraulic shovel operations
RIIMPO303A	Conduct rope shovel operations
RIIMPO304B	Conduct wheel loader operations
RIIMPO305B	Conduct coal stockpile dozer operations
RIIMPO306A	Operate plant/machinery on live stockpiles
RIIMPO308B	Conduct tracked dozer operations
RIIMPO309A	Conduct wheeled dozer operations
RIIMPO310A	Conduct grader operations
RIIMPO311A	Conduct haul truck operations
RIIMPO312A	Conduct scraper operations

RIIMPO313B	Conduct face loading operations
RIIMPO329A	Conduct dragline operations
RIIMPO331A	Conduct stockpile dozer operations
RIINHB307B	Conduct conventional core drilling
RIIPEO301A	Conduct conveyor-car high wall mining operations
RIIPRO301B	Conduct crushing and screening plant operations
RIIPRO302A	Perform process control room operations
RIIPRO303A	Conduct sand wash plant operations
RIISAM202A	Isolate and access plant
RIISAM301A	Test operational functions of vehicles and equipment
RIISRM301B	Blend stockpile materials
RIISRM302B	Conduct stockpile reclaiming operations
RIISRM303B	Move and position materials to form stockpiles
RIISRM304B	Maintain stockpiles
RIIVEH201B	Operate light vehicle
RIIVEH307A	Operate heavy rigid vehicle
General electives	
<i>Unit code</i>	<i>Unit title</i>
BSBINN301A	Promote innovation in a team environment
BSBPUR301B	Purchase goods and services
HLTFA301B	Apply first aid
PMLDATA400A	Process and interpret data
PMLOHS301B	Work safely with instruments that emit ionizing radiation
PMLORG301A	Plan and conduct laboratory/field work
PMLTEST300B	Perform basic tests

RIIBEF302A	Monitor site production activities
RIIBLA201A	Support shotfiring operations
RIIBLA205A	Store, handle and transport explosives
RIIBLA304A	Conduct underground production shotfiring
RIIBLA305A	Conduct secondary blasting
RIIBLA306A	Conduct accretion firing
RIIBLA307A	Conduct blast survey
RIICRC310A	Construct and maintain roads
RIIERR301A	Respond to mine incident
RIIERR302A	Respond to local emergencies and incidents
RIIERR308A	Extricate and transport people involved in incidents
RIIERR310A	Provide support for rescue operations
RIIHAN208A	Perform dogging
RIIHAN301B	Operate elevating work platforms
RIIHAN302A	Conduct intermediate scaffolding operations
RIIHAN304A	Conduct slewing crane operations
RIIHAN305A	Operate a gantry or overhead crane
RIIHAN306A	Carry out lifting using multiple cranes
RIIHAN307A	Operate a vehicle loading crane
RIIHAN311A	Conduct operations with integrated tool carrier
RIIMPO206A	Conduct bulk water truck operations
RIIOHS301A	Conduct safety and health investigations
RIIPEO206A	Lay and recover cables and hoses
RIISAM303A	Shut down dredge for operator maintenance
RIISAM304A	Install, commission and maintain major conveyor equipment and systems

RIISAM305A	Repair and splice conveyor belting
RIISAM306A	Service and maintain conveyors, feeders and hoppers
RIISAM307A	Service and maintain crushers
RIISAM308A	Service and maintain screens
RIISAM309A	Service and maintain pumps
RIISTD301A	Take environmental samples and measurements
RIIVEH302A	Operate multi-combination vehicle
RIIVEH303A	Drive heavy combination vehicle
RIIVEH306A	Operate mine services vehicle
RTD3034A	Implement revegetation works
RTD3205A	Construct conservation earthworks
TLIC407D	Drive heavy rigid vehicle
TLID2207C	Conduct weighbridge operations