



Australian Government

RII40109 Certificate IV in Surface Extraction Operations

Release 3

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Modification History

Not applicable.

Description

This qualification reflects the role of employees such as a supervisor or team leader working in an open cut mine or quarry. They perform tasks involving a broad range of varied activities most of which are complex and non-routine. They are responsible for the quantity and quality of the output of others, contribute to the development of technical solutions to non-routine problems and apply safety management plans to the workplace.

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"> • provide clear and direct feedback • listen carefully to instructions and information • read and interpret project plans and safety signs • calculate basic weights, distances and volumes • complete accurate work plans, technical reports, risk assessments, etc • negotiate solutions to customer and workplace based issues • negotiate project details with clients • network with other professionals working in the same field • adjust communication style to meet the needs of people with diverse backgrounds
Teamwork	<ul style="list-style-type: none"> • plan and lead team performance and operations • coordinate project activities and timelines with clients • 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 • provide feedback and advice to staff • participate in site-wide planning and coordination activities
Problem-solving	<ul style="list-style-type: none"> • re-allocate staff and resources in response to changing weather, site conditions and priorities • work with staff to solve problems and coordinate team members' responsibilities and activities • work cooperatively with clients to resolve contract and operational issues • participate in ongoing review and adjustment of operations against performance indicators and project milestones
Initiative and enterprise	<ul style="list-style-type: none"> • act independently to identify potential improvements to working practice and conditions • identify and take steps to resolve risks in the workplace • encourage the exploration and application of innovative approaches to improve on operational performance
Planning and organising	<ul style="list-style-type: none"> • manage and coordinate time and priorities for self and team

	<ul style="list-style-type: none"> • identify and obtain appropriate personnel and resources for work • ensure that risks are assessed and appropriate emergency plans are in place • ensure that project planning incorporates the possibility of adapting to future changes
Self-management	<ul style="list-style-type: none"> • take responsibility for ensuring team targets and goals are achieved • understand the standard of work expected at the work site • proactively manage team performance • develop trust and confidence in staff and customers
Learning	<ul style="list-style-type: none"> • 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 • participate in and, where appropriate, lead change processes • work with staff to create learning and development plans • prepare and lead formal or informal training sessions
Technology	<ul style="list-style-type: none"> • apply a range of basic IT skills in monitoring and reporting on systems • operate equipment safely and according to manufacturer and workplace guidelines • use communications technology appropriate to the workplace (email, mobile, radio, etc) • use computer technology to monitor and communicate project status • use IT to create documents and maintain records of work activities

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) core units, and
- eight (8) elective units of which:
 - at least two (2) must come from the Group A electives listed below
 - up to four (4) from the Group B electives listed below
 - up to two (2) unit may come from AQF level III, IV or Diploma 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.

Core units of competency	
<i>Unit code</i>	<i>Unit title</i>
BSBSUS301A	Implement and monitor environmentally sustainable work practices
RIICOM301B	Communicate information
RIIGOV401B	Apply, monitor and report on compliance systems
RIIRIS401B	Apply site risk management system
	<i>And either</i>
BSBOHS407A	Monitor a safe workplace
	<i>OR</i>

RIIOHS402A	Examine and maintain mine safety
Group A electives	
<i>Unit code</i>	<i>Unit title</i>
RIIBLA401A	Manage blasting operations
RIIBHD401A	Supervise blast hole drilling operations
RIICAR401A	Supervise rehabilitation operations
RIIERR302A	Respond to local emergencies and incidents (<i>Mandatory for Coal</i>)
RIIERR401B	Apply and monitor surface operations emergency preparedness and response systems (<i>Mandatory for Coal</i>)
RIIMEX401A	Apply pit plan
RIIMEX402A	Supervise dredging operations
RIIMEX404B	Apply and monitor systems for stable mining
RIIMEX405A	Apply and monitor systems and methods of surface coal mining
RIIMPO401A	Supervise mobile plant operations
RIIMPO403A	Monitor the interaction of heavy and light vehicles and mining equipment
RIIPRO401A	Supervise processing operations
RIIPRO402A	Supervise recycled materials operations
RIIRAI401A	Apply and monitor mine services and infrastructure systems
RIIRAI402A	Apply and monitor site plant and resource management plan
RIISRM401A	Apply and monitor the site stockpile management plan
RIIWBP401A	Apply and monitor site waste and by-products management plan
RIIWMG401A	Apply and monitor the site water management plan
Group B electives	
<i>Unit code</i>	<i>Unit title</i>
BSBCUS401B	Coordinate implementation of customer service strategies

BSBFIA402A	Report on financial activity
BSBINM401A	Implement workplace information system
BSBLED401A	Develop teams and individuals
BSBMGT401A	Show leadership in the workplace
BSBMGT402A	Implement operational plan
BSBSMB403A	Market the small business
BSBSMB404A	Undertake small business planning
BSBSMB402A	Plan small business finances
BSBWOR404B	Develop work priorities
HLTFA301C	Apply first aid
	<i>OR</i>

RIIERR205A	Apply initial response first aid (<i>Mandatory for Coal</i>)
ICAICT308A	Use advanced features of computer applications
RIIBLA301A	Conduct surface shotfiring operations
RIIBLA402A	Monitor and control the effects of blasting on the environment
RIICCR401A	Develop and maintain positive community relations
RIIENV401A	Supervise dust and noise control
RIIERR201A	Conduct fire team operations
RIIERR301A	Respond to mine incident
RIIERR310A	Provide support for rescue operations
RIIERR403A	Lead rescue team
RIIOHS301A	Conduct safety and health investigations
RIIOHS401A	Supervise work in confined spaces
RIIQUA401A	Apply quality management system on site
RIIRIS301B	Apply risk management processes
RIISAM401A	Apply site plant, equipment and infrastructure maintenance management plan
RIISAM402A	Supervise operation of electrical equipment and installations
RIISAM403A	Commission/recommission plant
TAEASS301B	Contribute to assessment
TAEASS401A	Plan and organise assessment
TAEASS402B	Assess competence
TAEASS403B	Participate in assessment validation
TAEDEL301A	Provide work skill instruction