



Australian Government

RII50109 Diploma of Surface Operations Management

Release 3

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Modification History

Not applicable.

Description

This qualification reflects the role of mine managers in an open cut coal or metalliferous mine or a quarry, who perform tasks involving a high level of autonomy and requiring the application of significant judgement in planning and determining the selection of equipment/roles/techniques for themselves and others. They are required to demonstrate the application of a broad range of technical, managerial, coordination and planning and implement safety management plans.

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
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 • provide feedback and advice to staff • lead 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 • manage staff to solve problems and coordinate individual responsibilities and activities • work cooperatively with clients to resolve contract and operational issues • manage the 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 • 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• lead change and continuous improvement processes• manage 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:

- two(2) Core units, and
- eleven (11) elective units of which:
- at least four (4) must come from the Group A electives listed below
- up to five (5) from the Group B electives listed below
- up to two (2) units may come from AQF level IV, Diploma or Advanced 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>
RIIGOV501A	Identify, implement and maintain legal compliance requirements
RIIRIS501A	Implement and maintain management systems to control risk
Group A electives	
<i>Unit code</i>	<i>Unit title</i>
RIIENV501A	Implement and and maintain environmental management plan
RIIERR503A	Implement emergency preparedness and response systems
RIIMEX405A	Apply and monitor systems and methods of surface coal mining
RIIMEX501A	Implement pit plan
RIIMEX502A	Implement systems and methods of mining
RIIMEX503A	Manage dredging operations
RIIMPO502A	Manage the interaction of heavy and light vehicles and mining equipment
RIIMPO503A	Manage laser levelling of operating plant
RIIOHS404A	Implement and monitor health and hygiene management systems
RIIPRO501A	Implement site processing plant operations

RIIPRO502A	Develop, implement and maintain process control systems
RIIRAI501B	Implement mine transport systems and production equipment
RIIRAI502A	Implement site plant and resource management plan
RIIRAI503B	Implement site services and infrastructure systems
RIIRAI504A	Select and install surface plant and equipment
RIIRAI506A	Implement, monitor, rectify and report on inventory control system
RIIRAI508A	Implement mine services systems
RIIRAI509A	Implement mine fixed plant and infrastructure systems
RIISDM501A	Conduct mine surveying operations
RIISRM501A	Implement the stockpile management plan
RIISRM502A	Design stockpile formations and reclaiming systems
RIIWBP501A	Implement site waste and by-product management plan
RIIWBP502A	Plan and monitor recycled material operations
RIIWMG501A	Implement the site water management plan
RIIRIS402A	Carry out the risk management processes
Group B electives	
<i>Unit code</i>	<i>Unit title</i>
BSBCUS501A	Manage quality customer service
BSBFIM501A	Manage budgets and financial plans
BSBINM501A	Manage an information or knowledge management system
BSBLED501A	Develop a workplace learning environment
BSBMGT515A	Manage operational plan
BSBMGT516A	Facilitate continuous improvement
BSBOHS407A	Monitor a safe workplace
BSBOHS509A	Ensure a safe workplace

BSBSMB402A	Plan small business finances
BSBWOR501B	Manage personal work priorities and professional development
BSBWOR502B	Ensure team effectiveness
RIIBHD501A	Manage blast hole drilling operations
RIIBLA301A	Conduct surface shotfiring operations
RIIBLA601A	Design surface blasts
RIICCR501A	Conduct sales in construction materials operations
RIICOM301B	Communicate information
RIIENV502A	Undertake process or project environmental impact assessment
RIIERR504A	Manage major incidents and emergencies
RIIGOV401B	Apply, monitor and report on compliance systems
RIIOHS301A	Conduct safety and health investigations
RIIPRM501A	Implement, monitor, rectify and report on contracts
RIISAM501A	Implement and maintain the site plant, equipment and infrastructure maintenance plan