



Australian Government

RII50609 Diploma of Drilling Operations

Release 3

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Modification History

Not applicable.

Description

This qualification reflects the role of employees such as senior drillers or field supervisors. 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 and contribute to the development of technical solutions to non-routine problems.

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 eleven (11) units of competency made up of:

- ten (10) Core units, and
- one (1) Group A elective unit from the list below

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>
BSBCUS501A	Manage quality customer service
BSBMGT515A	Manage operational plan
BSBWOR502B	Ensure team effectiveness
BSBOHS509A	Ensure a safe workplace
RIIENV501A	Implement and maintain environmental management plan
RIIGOV501A	Identify, implement and maintain legal compliance requirements
RIINHB501A	Plan drilling
RIIRIS501A	Implement and maintain management systems to control risk
RIIPRM501A	Implement, monitor, rectify and report on contracts
RIISAM502B	Manage general drilling equipment maintenance
Group A electives	
<i>Unit code</i>	<i>Unit title</i>
RIINHB401A	Plan and supervise the mobilisation of equipment, crew and materials
RIINHB402A	Supervise mineral exploration drilling operations
RIINHB403A	Supervise geotechnical drilling operations
RIINHB404A	Supervise seismic drilling operations

RIINHB405A	Supervise water well drilling operations
RIINHB406A	Supervise foundation drilling operations
RIINHB407A	Supervise horizontal directional drilling operations
RIINHB408A	Supervise environmental drilling operations
RIINHB409A	Supervise mineral production and development drilling operations
RIINHB410A	Supervise surface directional drilling operations
RIINHB411A	Construct artesian (flowing) aquifer production bores
RIINHB412B	Construct geothermal wells
RIINHB413A	Supervise underground in-seam directional drilling operations