



Australian Government

RII31809 Certificate III in Drilling Operations

Release: 3

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Modification History

Not applicable.

Description

This qualification reflects the role of employees such as drillers who perform tasks involving a broad range of skilled applications applied in a wide variety of contexts, which may involve application of 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • adjust work methods in response to changing weather and site conditions • participate in team solutions to safety issues
Initiative and enterprise	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • be willing to learn new ways of working • seek information to improve performance from people and

	<p>workplace documents like policies, procedures etc</p> <ul style="list-style-type: none">• understand equipment characteristics, technical capabilities, limitations and procedures
Technology	<ul style="list-style-type: none">• 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:

- eight (8) Core units, and
- five (5) elective units of which:
 - up to two (2) must come from the Group A electives listed below, including at least one (1) 'Conduct' unit
 - at least two (2) from the Group B electives listed below
 - up to one (1) unit may come from AQF level II, III or IV level from 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>
BSBCMN311B	Maintain workplace safety
RIIBEF301A	Run on-site operations
RIICOM201A	Communicate in the workplace
RIINHB301A	Set up and prepare for drilling operations
RIIRIS301B	Apply risk management processes
RIISAM209A	Carry out operational maintenance
MSAPMSUP172 A	Identify and minimise environmental hazards
TAEDEL301A	Provide work skill instruction
Group A electives	
<i>Unit code</i>	<i>Unit title</i>
RIIBHD305	Conduct down-hole hammer drilling
RIINHB302A	Conduct reaming
RIINHB303A	Install product pipe

RIINHB304B	Conduct air drilling
RIINHB305A	Conduct continuous flight auger drilling
RIINHB306A	Conduct large diameter auger drilling
RIINHB307B	Conduct conventional core drilling
RIINHB308A	Conduct wireline core drilling
RIINHB309A	Conduct guided boring
RIINHB310A	Conduct surface directional drilling
RIINHB311A	Conduct mud rotary drilling
RIINHB312A	Conduct raise boring
RIINHB313A	Conduct cable tool drilling
RIINHB315A	Conduct top-hole hammer drilling
RIINHB316A	Conduct underground in-seam directional drilling
RIINHB317A	Install underground in-seam directional drilling standpipes
RIINHB318A	Install and operate water and gas control equipment
RIINHB319A	Install de-watering conduit and gas drainage equipment
RIINHB320A	Construct monitoring bores
RIINHB322A	Construct multiple aquifer production bores
RIINHB323A	Conduct horizontal directional drilling
RIINHB324B	Carry out grouting or cementing operations
RIINHB325A	Construct and complete single aquifer production bores
Group B electives	
<i>Unit code</i>	<i>Unit title</i>
HLTFA301C	Apply first aid
HLTFA402C	Apply advanced first aid
PMASUP236B	Operate vehicles in the field

RIIBHD301A	Conduct surface blast hole drilling operations
RIIBHD304B	Set-up and prepare for open cut drilling operations
RIIBLA201A	Support shotfiring operations
RIIBLA202B	Support underground shotfiring operations
RIIBLA205A	Store, handle and transport explosives
RIIBLA301A	Conduct surface shotfiring operations
RIIBLA303A	Conduct underground development shotfiring
RIIBLA304A	Conduct underground production shotfiring
RIIERR301A	Respond to mine incident
RIIERR302A	Respond to local emergencies and incidents
RIINHB205A	Assist continuous flight auger drilling
RIINHB206A	Assist large diameter auger drilling
RIINHB208B	Assist diamond core drilling
RIINHB209A	Assist guided boring
RIINHB210B	Assist surface directional drilling
RIINHB211A	Assist mud rotary drilling
RIINHB213A	Assist cable tool drilling
RIINHB219A	Assist with air drilling
RIIOGD304A	Apply effective coal seam gas control practices
RIIOGD305A	Apply blow out prevention operational procedures
RIIOGD405A	Carry out well control and blow out prevention
RIIQUA201A	Maintain and monitor site quality standards
RIIVEH305A	Operate and maintain a four wheel drive vehicle