Australian Government

# RII3182X Certificate III in Drilling Operations

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Release: 1

# RII3182X Certificate III in Drilling Operations

## Modification History

| Release | Comments |
|---|---|
| 1 | This qualification was first released in RII Resources and Infrastructure Industry Training Package Release 13.0. |

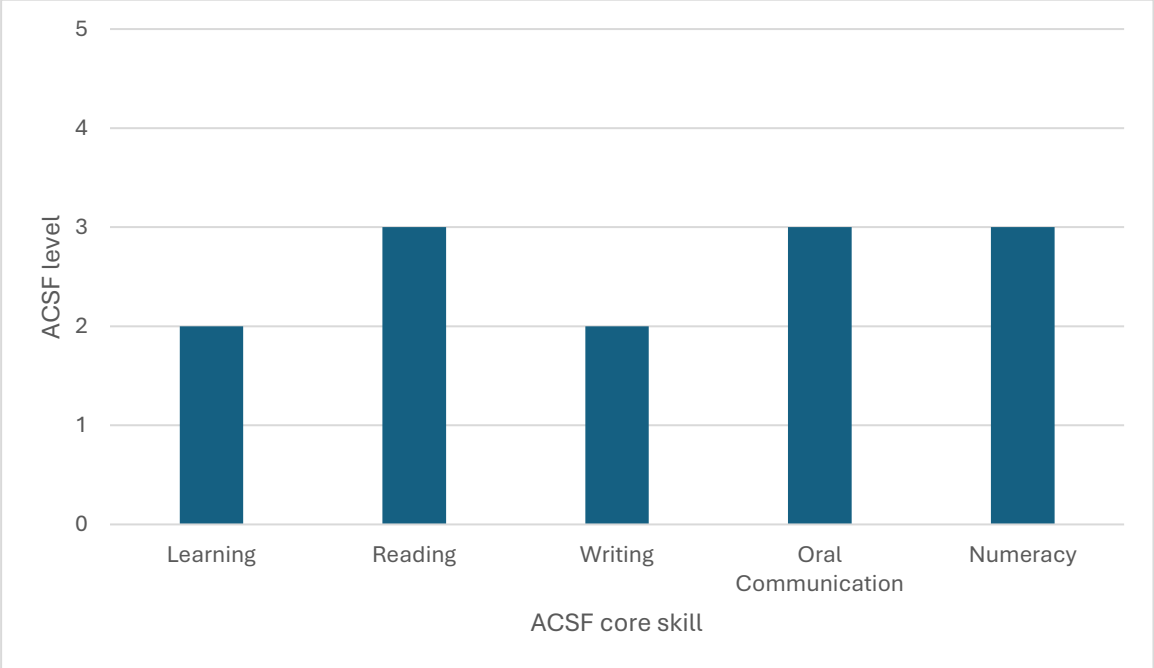
## Qualification Description

This qualification reflects the role of individuals 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 and/or contingency measures.

## Licensing/Regulatory Information

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

## Foundation Skills Outcomes




## Entry Requirements

Nil


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# Packaging Rules

The following provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Total number of units = 13

- **8 core units** plus
- **5 elective units,** of which:
    - at least one (1) must be chosen from Group A
    - at least one (1) may be chosen from Group B
    - no more than two (2) units may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Elective units must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment and contribute to a valid vocational outcome.

There are no prerequisites to imported units listed in this qualification. Where a unit is imported as an elective care must be taken to ensure that all prerequisites specified are complied with.

| **Core units of competency** | |
|---|---|
| ***Unit code*** | ***Unit title*** |
| MSMENV172 | Identify and minimise environmental hazards |
| RIIBEF301D | Run on-site operations |
| RIICOM301E | Communicate information |
| RIIERR302E | Respond to local emergencies and incidents |
| RIINHB301X | Set up and prepare for drilling operations |
| RIIRIS301E | Apply risk management processes |
| RIISAM215E | Carry out drilling industry operational maintenance |
| RIIWHS3XX | Work safely in the drilling industry |
| Electives | |
| Group A – Drilling Methodology | |
| ***Unit code*** | ***Unit title*** |
| RIIBHD301X | Conduct surface blast hole drilling |

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| | |
|---|---|
| RIINHB304X | Conduct reverse circulation drilling |
| RIINHB305X | Conduct continuous flight auger drilling |
| RIINHB306X | Conduct large diameter auger drilling |
| RIINHB307X | Conduct conventional core drilling |
| RIINHB308X | Conduct wireline core drilling |
| RIINHB309X | Conduct guided boring |
| RIINHB310X | Conduct surface directional drilling |
| RIINHB311X | Conduct mud rotary drilling |
| RIINHB312X | Conduct raise boring |
| RIINHB315X | Conduct top-hole hammer drilling |
| RIINHB316X | Conduct underground in-seam directional drilling |
| RIINHB323X | Conduct horizontal directional drilling |
| RIINHB326X | Conduct coil tube drilling |
| RIINHB328X | Conduct rotary air drilling |
| RIINHB329X | Conduct sonic drilling |
| RIINHB330X | Conduct down hammer drilling |
| Group B – General Electives | |
| ***Unit code*** | ***Unit title*** |
| BSBLDR413 | Lead effective workplace relationships |
| HLTAID011 | Provide First Aid |
| RIIARO303 | Operate equipment in autonomous environments |
| RIIBLA301E | Conduct surface shotfiring operations |
| RIIBLA303E | Conduct underground development shotfiring |
| RIIBLA304E | Conduct underground production shotfiring |
| RIICCM302 | Track directional boring operations |

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| | |
|---|---|
| RIICTT303E | Control micro tunnelling and pipe-jacking operations |
| RIIERR301E | Respond to work site incidents |
| RIIHAN307E | Operate a vehicle loading crane |
| RIIHAN309F | Conduct telescopic materials handler operations |
| RIIMEX302D | Assess ground conditions |
| RIIMPO304E | Conduct wheel loader operations |
| RIINHB302X | Carry out reaming |
| RIINHB303D | Install product pipe |
| RIINHB317D | Install underground in-seam directional drilling standpipes |
| RIINHB318D | Install and operate water and gas control equipment |
| RIINHB320D | Construct monitoring bores |
| RIINHB322E | Construct multiple aquifer production bores |
| RIINHB324X | Carry out grouting or cementing operations |
| RIINHB325E | Construct single aquifer bores |
| RIINHBX | Carry out surveying and orientation |
| RIIOGD304D | Apply effective coal seam gas control practices |
| RIIOGD305E | Apply blow out prevention operational procedures |
| RIIOGD405E | Carry out well control and blow out prevention operations |
| RIIWHS202 | Enter and work in confined spaces |
| RIIWHS204 | Work safely at heights |
| RIIWHS301E | Conduct safety and health investigations |
| RIIVEH305F | Operate and maintain a four wheel drive vehicle |
| TAEDEL311 | Provide work skill instruction |

# Pre-requisite Requirements

There are no pre-requisites associated with units packaged in this qualification.


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## Mandatory Workplace Requirements

There are no mandatory workplace requirements associated with units packaged in this qualification.

## Qualification Mapping Information

| Previous Code and Title | Equivalence | Comments |
|---|---|---|
| RII31820 Certificate III in Drilling Operations | Equivalent | Updates to Core and Elective units. Group A units updated. Superseded units updated. |

## Links

Companion volumes, including implementation guides, are found on the national training register - https://training.gov.au/training/details/RII.

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