

## Qualification details

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| Qualification number/Te nama o te tohu mātauranga   | 2622   |                                 |             |
| English title/Rā whakamutunga kia uru ki ngā hōtaka | New Zealand Certificate in Drilling (Level 4)  |                                 |             |
| Māori title/Rā whakamutunga mō te aromatawai        |  |                                 |             |
| Version number/Te putanga                           | 3  | Qualification type/Te momo tohu | Certificate |
| Level/Te kaupae                                     | 4  | Credits/Ngā whiwhinga           | 135         |
| NZSCED/Whakaraupapa                                 | 030303 Engineering and Related Technologies>Process and Resources Engineering>Mining and Resources Engineering |                                 |             |
| Qualification developer/Te kaihanga tohu            | MITO New Zealand Incorporated  |                                 |             |
| Next review /Te rā arotake                          | 31 December 2024   |                                 |             |

## Outcome statement/Te tauāki ā-hua

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| <p><b>Strategic Purpose statement/ Te rautaki o te tohu</b></p> <p>This qualification provides all sectors of the drilling industry with people who have the required core skills and knowledge to work as a Driller under broad guidance.</p> <p>This qualification has been designed to be relevant to all sectors within the drilling industry. It has been made flexible to allow study or training to take place within a variety of drilling environments.</p> <p>Graduates will be qualified in the drilling environment in which they studied or trained.</p> |
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| <p><b>Graduate Profile/Ngā hua o te tohu</b></p> <p>Graduates of this qualification will be able to:</p> <ul style="list-style-type: none"> <li>- Apply risk assessment procedures, and workplace health and safety and environmental procedures.</li> <li>- Co-ordinate and apply emergency response</li> <li>- Select appropriate drilling methodologies, systems and processes for specific drilling environment(s)</li> </ul> |
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- Operate and monitor drilling systems and processes, monitor hole condition, and respond to down hole problems in a drilling environment
- Move drill rig and associated equipment to safely meet workplace requirements.
- Interpret and apply client/contract specifications to safely meet operational targets
- Provide mentoring and on-job training to drill crew
- Communicate with clients, internal staff and the general public.
- Lead reporting on drilling operations.

#### Education Pathway/ Ngā huarahi mātauranga

This qualification follows on from the New Zealand Certificate in Drilling (Level 3) [Ref: 2621], and may lead to the New Zealand Certificate in Drilling (Level 5) [Ref: 2623].

This qualification is intended to allow equivalency with the Certificate III drilling qualifications within the Australian Resources and Infrastructure Industry Training Package (RII09), ie:

- RII32009 Certificate III in Drilling Oil/Gas (On shore)
- RII31809 Certificate III in Drilling Operations
- RII31909 Certificate III in Drilling Oil/Gas (Off shore).

#### Employment, Cultural, Community Pathway/ Ko ngā huarahi ā-mahi, ā-ahurea, ā-whānau, ā-hapū, ā-iwi, ā-hapori anō hoki

Graduates of this qualification will have the skills and knowledge to work as a Driller within the drilling environment that their programme of study or industry training programme was completed.

With some context related workplace training they will also be able to use their skills in other drilling sub sectors.

## Qualification Specifications/ Ngā tauwhāititanga o te tohu

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| <b>Qualification Award/ Te whakawhiwhinga o te tohu</b>  | This qualification may be awarded by any education organisation which has an approved programme of study or industry training leading to the qualification.   |
| <b>Evidence requirements for assuring consistency/ Ngā taunaki hei whakaū i te tauritenga</b>  | Evidence may include: <ul style="list-style-type: none"> <li>• end user surveys (e.g. graduates, employers, industry associations) to determine how well graduates are meeting the outcomes in the workplace;</li> <li>• evidence of effective processes to ensure programmes continue to meet current industry needs and the graduate profile outcomes;</li> <li>• evidence of effective internal and external quality assurance systems to assure that graduates meet the graduate outcomes of the qualification;</li> <li>• and any other relevant evidence as appropriate.</li> </ul> |
| <b>Minimum standard of achievement and standards for grade endorsements/ Te pae o raro e tutuki ai, ngā paerewa hoki hei whakaatu i te taumata o te whakatutukinga</b> | Achieved.   |

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| <p><b>Other requirements for the qualification (including regulatory body or legislative requirements)/ Kō ētahi atu here o te tohu (tae atu hoki ki ngā here ā-hinonga whakamarumarū, ki ngā here ā-ture rānei)</b></p> | <p>None.</p>   |
| <p><b>General conditions for programme/ Ngā tikanga whānui o te hōtaka</b></p>   | <p>Competence may be demonstrated in different sub sector contexts depending on the workplace. To support equivalency with relevant drilling qualifications within the Australian Resources and Infrastructure Industry Training Package (RII09), programmes should be aligned to the required Australian Units of Competency for each Training Package qualification. This can be achieved through use of listed New Zealand coversheet unit standards linked to Australian Units of Competency, or through use of equivalent New Zealand assessment standards.</p> <p>Additional guidance and recommendations for programme development can be found on the MITO New Zealand Incorporated website <a href="https://www.mito.org.nz/">https://www.mito.org.nz/</a>.</p> |

**Conditions relating to the Graduate Profile /Ngā tikanga e hāngai ana ki nga hua o te tohu**

| Qualification outcomes/ Ngā hua  | Credits/Ngā whiwhinga | Conditions/Ngā tikanga |
|--|-----------------------|------------------------|
| <p>1. <b>Apply risk assessment procedures, and workplace health and safety and environmental procedures.</b></p>   | <p>25</p>             |                        |
| <p>2. <b>Co-ordinate and apply emergency response</b></p>  | <p>5</p>              |                        |
| <p>3. <b>Select appropriate drilling methodologies, systems and processes for specific drilling environment(s)</b></p>                                   | <p>20</p>             |                        |
| <p>4. <b>Operate and monitor drilling systems and processes, monitor hole condition, and respond to down hole problems in a drilling environment</b></p> | <p>35</p>             |                        |
| <p>5. <b>Move drill rig and associated equipment to safely meet workplace requirements.</b></p>  | <p>5</p>              |                        |
| <p>6. <b>Interpret and apply client/contract specifications to safely meet operational targets</b></p>   | <p>5</p>              |                        |
| <p>7. <b>Provide mentoring and onjob training to drill crew</b></p>  | <p>15</p>             |                        |
| <p>8. <b>Communicate with clients, internal staff and the general public as required to meet</b></p>   | <p>5</p>              |                        |

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|    | relevant workplace policies and procedures. |    |  |
| 9. | Lead reporting on drilling operations.      | 20 |  |

## Transition information/ He kōrero whakawhiti

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| <p><b>Replacement information/ He kōrero mō te whakakapi</b></p>                     | <p>This qualification replaced the National Certificate in Drilling - Non-hydrocarbon (Driller) (Level 3) with optional strands in Environmental/Geotechnical, and Water Well [Ref: 1332] and the National Certificate in Drilling - Hydrocarbon (Derrickman) (Level 3) with strands in Off Shore Drilling, and On Shore Drilling [Ref: 1336].</p> <p>People currently working towards either of the replaced qualifications must complete its requirements, or transfer to a programme of study or training leading to this qualification, by 31 December 2018.</p>   |
| <p><b>Additional transition information/ Kō ētahi atu kōrero mō te whakakapi</b></p> | <p>Version 2 of this qualification was revised to reduce the total credits from 170 to 135 credits.</p> <p>The last date of assessment for version 1 of this qualification is 31 December 2020.</p> <p>People currently working towards version one of this qualification must complete its requirements or transfer to a programme of study or training leading to version two of the qualification by 31 December 2020.</p> <p>Version 3 of this qualification was published following a scheduled review. The last date for assessments to take place leading to version 2 of this qualification is 31 December 2022.</p> <p>Any person who considers they have been disadvantaged by these transition arrangements may appeal to MITO at the address below. All appeals will be considered on a case by case basis.</p> <p>MITO New Zealand Incorporated<br/>PO BOX 10803<br/>The Terrace<br/>Wellington 6143<br/>Email <a href="mailto:info@mito.org.nz">info@mito.org.nz</a></p> |