

## Field Planning and Construction

### Review of *Hydrography* unit standards

| Subfield  | Domain      | ID          |
|-----------|-------------|-------------|
| Surveying | Hydrography | 29227-29231 |

Connexis Infrastructure ITO has completed the review of the unit standards listed above.

**Date new versions published**

**May 2021**

**Planned review date**

**December 2025**

#### Summary

The purpose of this review was to align five hydrography unit standards with version 2 of the New Zealand Certificate in Hydrography (Level 4) [Ref: 2958] following a scheduled qualification review. The industry reference group identified changes were required for the unit standards to better reflect industry requirements.

The unit standard review process involved consultation with the industry reference group, technical advisers, and stakeholders during February and March 2021. Industry feedback was received by email and technical adviser meetings.

#### Main changes

- Guidance information and legislation was updated.
- Unit standard titles, outcomes and performance criteria were amended.
- A practical outcome was added to unit standards 29227 and 29229.
- Credits were amended for 29227, 29228, and 29231 to include additional performance criteria.
- The term 'hydrographer' was replaced by 'surveyor in charge' (SIC) in unit standard 29230.

**The last date for assessment of superseded versions of these Category B unit standards is December 2022**

#### Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

| Key to review category |   |
|------------------------|---|
| <b>A</b>               | Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number           |
| <b>B</b>               | Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number |
| <b>C</b>               | Major changes that necessitate the registration of a replacement standard with a new ID   |
| <b>D</b>               | Standard will expire and not be replaced  |

Planning and Construction > Surveying > Hydrography

| ID    | Title   | Level | Credit   | Review Category |
|-------|---|-------|----------|-----------------|
| 29227 | Demonstrate knowledge of tidal and depth measurement theory<br><b>Demonstrate and apply knowledge of tidal and depth measurement theory</b> | 4     | 12<br>15 | B               |

| ID    | Title  | Level | Credit         | Review Category |
|-------|--|-------|----------------|-----------------|
| 29228 | Demonstrate knowledge of oceanography for hydrographic surveying operations<br><b>Demonstrate knowledge of oceanography, marine geology, geophysics, and hydrographic surveys</b>                                  | 4     | 3<br><b>5</b>  | B               |
| 29229 | Demonstrate knowledge of positioning in hydrographic surveying operations<br><b>Demonstrate knowledge of positioning and install and configure a GNSS receiver for hydrographic surveying operations</b>           | 4     | 5              | B               |
| 29230 | Undertake hydrographic survey measurement<br><b>Undertake and assist with hydrographic survey equipment</b>  | 4     | 30             | B               |
| 29231 | Demonstrate knowledge of and apply safe work practices in hydrographic surveying operations<br><b>Demonstrate knowledge of and apply health, safety, and environmental requirements for hydrographic surveying</b> | 4     | 8<br><b>10</b> | B               |