

## Field      Engineering and Technology

### Registration of skill standards and review of unit standards for *Infrastructure Asset Management*

| Subfield                         | Domain                          | ID                                                           |
|----------------------------------|---------------------------------|--------------------------------------------------------------|
| Infrastructure Civil Engineering | Infrastructure Asset Management | 11429, 17291, 17305, 17308, 23589–23592, 29486, 29544, 29545 |

The Energy and Infrastructure Industry Skills Board has completed the review of the unit standards listed above.

**Date new versions published**

**July 2026**

**Planned review date**

**December 2031**

#### Summary

Waihangā Ara Rau Construction and Infrastructure Workforce Development Council (WDC) and representatives from the asset management industry reviewed the *Infrastructure Asset Management* unit standards alongside the review of the New Zealand Diploma in Infrastructure Asset Management (Level 6) [Ref: 3180] during 2025. This resulted in the unit standards being expired and new skill standards being developed.

A technical advisory group was established with industry representatives from the energy, roading, district council, polytechnic, provider, university sectors and the industry association. Skill standards were developed to better reflect the skills and learning required. Consultation was undertaken in April and May 2026 using the Energy and Infrastructure Industry Skills Board (ISB) website, by email, and during an industry association conference. The technical advisory group completed the development of the skill standards.

Responsibility for the reviewed unit standards listed above and the new skill standards was transferred from Waihangā Ara Rau WDC to Energy and Infrastructure Industry Skills Board as a result of the VET reforms. The ISB has finalised these standards for approval.

#### Main changes

- 11 standards were set to expire without replacement.
- 11 new skill standards were developed.

**Category D unit standards will expire at the end of December 2028**

**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                                                                                              |

| ID           | Title                                                                                                          | Level    | Credit    | Review Category |
|--------------|----------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|
| 11429        | Contribute to infrastructure asset management planning and implementation                                      | 6        | 30        | D               |
| 17291        | Report infrastructure asset condition and attribute data                                                       | 3        | 8         | D               |
| 17305        | Apply an optimised decision-making process for infrastructure asset management                                 | 6        | 15        | D               |
| 17308        | Conduct risk management in an infrastructure asset management context                                          | 6        | 15        | D               |
| 23589        | Explain process, and develop and measure levels of service for infrastructure assets                           | 5        | 10        | D               |
| 23590        | Demonstrate knowledge of infrastructure asset information management                                           | 6        | 10        | D               |
| 23591        | Demonstrate knowledge of financial and economic analysis for infrastructure asset management                   | 6        | 15        | D               |
| 23592        | Undertake demand management analysis for infrastructure assets                                                 | 5        | 10        | D               |
| 29486        | Explain the application of laws and standards to infrastructure asset management and methods used in contracts | 4        | 5         | D               |
| 29544        | Apply professional body rules and ethics as an infrastructure asset management practitioner                    | 5        | 6         | D               |
| 29545        | Work professionally as an infrastructure asset management practitioner                                         | 6        | 6         | D               |
| <b>41348</b> | <b>Prepare for an engagement plan and contribute to an engagement activity for asset management</b>            | <b>6</b> | <b>10</b> | <b>NEW</b>      |
| <b>41349</b> | <b>Monitor and update a policy and strategy for asset management</b>                                           | <b>6</b> | <b>10</b> | <b>NEW</b>      |
| <b>41350</b> | <b>Carry out a risk assessment activity for an asset management activity</b>                                   | <b>6</b> | <b>15</b> | <b>NEW</b>      |
| <b>41351</b> | <b>Facilitate a cross-functional asset management focus group meeting</b>                                      | <b>6</b> | <b>15</b> | <b>NEW</b>      |
| <b>41352</b> | <b>Use data and information to inform decision-making and derive value for asset management</b>                | <b>6</b> | <b>10</b> | <b>NEW</b>      |
| <b>41353</b> | <b>Review levels of service for an asset or asset management activity</b>                                      | <b>6</b> | <b>20</b> | <b>NEW</b>      |
| <b>41354</b> | <b>Analyse data and information to develop intervention options for an asset or work programme</b>             | <b>6</b> | <b>10</b> | <b>NEW</b>      |
| <b>41355</b> | <b>Prepare, test, and prioritise intervention options for asset management</b>                                 | <b>6</b> | <b>15</b> | <b>NEW</b>      |
| <b>41356</b> | <b>Evaluate an asset management work programme for alignment with organisational goals and objectives</b>      | <b>6</b> | <b>20</b> | <b>NEW</b>      |
| <b>41357</b> | <b>Analyse asset and system performance measures and collate achievement data for a progress report</b>        | <b>6</b> | <b>15</b> | <b>NEW</b>      |

| ID    | Title                                                                                                 | Level | Credit | Review Category |
|-------|-------------------------------------------------------------------------------------------------------|-------|--------|-----------------|
| 41358 | Identify asset and asset management system continuous improvement initiatives for an improvement plan | 6     | 20     | NEW             |