

Field Planning and Construction**Review of *Plumbing, Gasfitting and Drainlaying* unit standards and development of *Hazardous Substances and Materials***

| Subfield | Domain | ID |
|--------------------------------------|---|--------------------------------------|
| Plumbing, Gasfitting and Drainlaying | Core Plumbing, Gasfitting and Drainlaying | 2157 |
| | Drainlaying | 1102, 1118 |
| | Plumbing | 2117, 2143, 2149, 2153, 23849, 24305 |

The Skills Organisation has completed the review of the unit standards listed above.

Date new versions published

October 2017

Planned review date

December 2022

Summary

The review of these standards was initiated following the listing of Level 4 New Zealand Certificates in Plumbing, in Gasfitting, and in Drainlaying, to ensure that they are fit for purpose, relevant to the Plumbing, Gasfitting, and Drainlaying (PGD) sectors and are readily available for assessment. Industry representatives from the PGD Sector Review and Qualification Development Groups were involved in the review and writing of these unit standards and provided feedback on the unit standards.

The review included one asbestos-related unit standard. This unit standard is intended to be used across a wide range of industries, including PGD.

Main changes

- Changes were made to accurately reflect sector terminology, changing trade practices, and emerging materials.
- Nine unit standards were reviewed as Category C and replaced by 16 new standards.
- Five new unit standards were developed, one of which was listed under the *Hazardous Substances and Materials*.

Category C unit standards will expire at the end of December 2022

Impact on existing organisations with consent to assess

| Current consent for | | | Consent extended to | | |
|---------------------|----------------------|-------|---------------------|----------------------|-------|
| Nature of consent | Classification or ID | Level | Nature of consent | Classification or ID | Level |
| Standard | 1118 | 4 | Standards | 30600, 30601 | 4 |
| Standard | 2117 | 4 | Standards | 30598, 30599 | 4 |

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

All changes are in **bold**.

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

Health > Occupational Health and Safety > Hazardous Substances and Materials

| ID | Title | Level | Credit | Review Category |
|--------------|--|----------|----------|-----------------|
| 30596 | Demonstrate knowledge of asbestos and safety measures for asbestos-related work | 3 | 2 | New |

Planning and Construction > Plumbing, Gasfitting and Drainlaying > Core Plumbing, Gasfitting, and Drainlaying

| ID | Title | Level | Credit | Review Category |
|--------------|---|----------|----------|-----------------|
| 2157 | Install and maintain air heating and ventilation ducting and equipment | 3 | 5 | C |
| 30597 | Demonstrate knowledge of the installation and maintenance of ducting systems for warm air heating | 3 | 3 | |
| 30602 | Demonstrate knowledge of gas boosted solar water heating systems and hydronic heating | 4 | 4 | New |
| 30616 | Demonstrate knowledge of water, material properties, and of less frequently used materials in plumbing and drainlaying | 3 | 3 | New |

Planning and Construction > Plumbing, Gasfitting and Drainlaying > Drainlaying

| ID | Title | Level | Credit | Review Category |
|--------------|---|----------|----------|-----------------|
| 1102 | Install trade waste interceptor traps | 3 | 4 | C |
| 30612 | Demonstrate knowledge of trade waste interceptor traps | 3 | 4 | |
| 30613 | Install food grease interceptor traps | 3 | 2 | |
| 1118 | Install sewage pump stations | 4 | 4 | C |
| 30600 | Demonstrate knowledge of pumps used in drainlaying systems | 4 | 3 | |
| 30601 | Install pumps for drainlaying systems | 4 | 2 | |

Planning and Construction > Plumbing, Gasfitting and Drainlaying > Plumbing

| ID | Title | Level | Credit | Review Category |
|--------------|--|----------|----------|-----------------|
| 2117 | Install, test, and maintain water supply backflow prevention devices | 4 | 11 | C |
| 30598 | Demonstrate knowledge of the installation, testing, and maintenance of water supply backflow prevention devices | 4 | 4 | |
| 30599 | Determine the position of water supply backflow prevention devices, and install, test, and maintain devices | 4 | 3 | |
| 2143 | Install, secure, and maintain water supply pipework in buildings | 3 | 11 | C |
| 30605 | Demonstrate knowledge of installing, securing, and maintaining water supply pipework in buildings | 4 | 7 | |
| 30606 | Determine water supply requirements in buildings, and install, secure, and maintain pipework | 3 | 6 | |
| 2149 | Select, install, and maintain pumps and controls for water supply and disposal systems in plumbing | 4 | 10 | C |
| 30604 | Demonstrate knowledge of pumps used for water supply and disposal systems in plumbing | 4 | 3 | |
| 23849 | Install and maintain water mains and water supply systems and reticulation | 4 | 8 | C |
| 30614 | Demonstrate knowledge of the installation and maintenance of water mains and water supply systems | 4 | 4 | |
| 30615 | Install and maintain water mains and water supply systems | 4 | 4 | |
| 24305 | Install, test, commission, and maintain solar water heating systems | 4 | 7 | C |
| 30610 | Demonstrate knowledge of the installation, testing, commissioning, and maintenance of solar water heating systems | 4 | 5 | |
| 30611 | Carry out installation, testing, commissioning, and maintenance of solar water heating systems | 4 | 4 | |
| 2153 | Install and maintain solid fuel space heaters and flues | 4 | 6 | C |
| 30607 | Demonstrate knowledge of the installation and maintenance of solid fuel space heaters and flues | 4 | 3 | |
| 30608 | Position, install, and maintain solid fuel space heaters and flues | 4 | 2 | |
| 30603 | Demonstrate knowledge of plumbing aspects of domestic fire sprinkler systems | 4 | 3 | New |
| 30609 | Demonstrate knowledge of alternative water supply and water storage for sanitary plumbing | 4 | 3 | New |

