

Field Engineering and Technology**Review of *Heating, Ventilating, and Air Conditioning* unit standards**

| Subfield | Domain | ID |
|------------------------|--|--|
| Mechanical Engineering | Heating, Ventilating, and Air Conditioning | 3236, 3239, 26329, 26330, 26332-26335, 26337-26340 |

Competenz has completed the review of the unit standards listed above.

Date new versions published

March 2018

Planned review date

December 2023

Summary

The unit standards were reviewed to align with the recently registered New Zealand Certificate in Mechanical Building Services (Trade) (Level 4) [Ref: 2717] and to meet Competenz' s ongoing unit standard review schedule.

The review was carried out in consultation with the Mechanical Building Services (formerly known as Heating, Ventilating, and Air Conditioning) industry technical experts and the changes were endorsed by the industry technical group.

These unit standards will be moved to a new domain (Mechanical Building Services) when they are next reviewed.

Main changes

- Changes were made to unit standard titles, outcome statements, performance criteria, and range statements to clarify assessment requirements, remove duplication, and ensure alignment with current industry requirements. Unit standards were modified to align with the revised NZQA guidelines.
- The industry sector is now known as the Mechanical Building Services. This is reflected in the unit standards.
- Credit values were adjusted where necessary to reflect the time required to acquire the skills and knowledge.

The last date for assessment of superseded versions of Category B unit standards is 31 December 2023

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 |

Engineering and Technology > Mechanical Engineering > Heating, Ventilating, and Air Conditioning

| ID | Title | Level | Credit | Review Category |
|-------|---|-------|-----------------|-----------------|
| 3236 | Install stainless steel pipe-work for heating, ventilating, and air conditioning systems Install stainless steel pipe-work for mechanical building services | 4 | 12 | B |
| 3239 | Install duct-work for heating, ventilating, and air conditioning systems Install duct-work for mechanical building services | 4 | 10 | B |
| 26329 | Pre-commission and maintain heating, ventilating, and air conditioning systems under supervision Pre-commission mechanical building services under supervision | 3 | 15 10 | B |
| 26330 | Commission heating, ventilating, and air conditioning systems Commission mechanical building services | 5 | 25 | B |
| 26332 | Integrate heating, ventilating, and air conditioning systems components Integrate mechanical building services equipment and components | 4 | 30 20 | B |
| 26333 | Install external insulation to pipe-work and ducting for heating, ventilating, and air conditioning systems Install external insulation to pipe-work and ducting for mechanical building services | 3 | 3 | B |
| 26334 | Install pipe-work for heating, ventilating, and air conditioning systems Install pipe-work for mechanical building services | 4 | 25 20 | B |
| 26335 | Demonstrate introductory knowledge of heating, ventilating, and air conditioning Demonstrate introductory knowledge of mechanical building services | 3 | 12 8 | B |
| 26337 | Demonstrate advanced knowledge of heating, ventilating, and air conditioning systems Demonstrate advanced knowledge of mechanical building services | 4 | 12 | B |
| 26338 | Maintain heating, ventilating, and air conditioning systems Maintain mechanical building services | 4 | 25 | B |
| 26339 | Pre-commission heating, ventilating, and air conditioning systems Pre-commission mechanical building services | 4 | 20 15 | B |
| 26340 | Service heating, ventilating, and air conditioning systems Service mechanical building services | 5 | 20 | B |