

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

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Mechanical Engineering	Heating, Ventilating, and Air Conditioning	26327, 26332-26335, 31142

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

**Date new versions published**

**October 2018**

**Planned review date**

**December 2023**

**Summary**

These unit standards were reviewed at the request of the Mechanical Building Services industry (previously known as Heating, Ventilating, and Air Conditioning, or HVAC industry) to remove some technical content that was deemed not applicable to HVAC engineers and update other content to align with current trade skill and knowledge requirements.

Extensive industry consultation was carried out to complete the review and the changes were endorsed by the Mechanical Building Services industry and Competenz.

**Main changes**

- Outcome 3 and the title of unit standard 26327 were changed to require the skills to be demonstrated on the job, under supervision. The term HVAC was replaced with mechanical building services throughout the unit.
- Unit standards 26332 and 26334 were reviewed to update the term 'on-site measurement' to 'site measure'.
- Unit standard 26331 was added as a recommended entry to unit standard 26332.
- Unit standard 26333 was reviewed to delete the requirement to coordinate with other trades and add compliance with manufacturer's specifications and industry practice.
- Unit standard 26335 had an outcome added to cover knowledge of the structural elements of a building and the procedures for mounting components to a building's structure.
- Unit standard 31142 was reviewed to remove knowledge of refrigerants that is not required by HVAC engineers and add identification and safe handling of refrigerants. The unit standard title was changed to better align with the reviewed content. A last date for assessment of version 1 was specified (31 December 2018).

**The last date for assessment of superseded versions of Category B unit standards is December 2023**

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

All changes are in **bold**.

<b>Key to review category</b>	
<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

## Engineering and Technology &gt; Mechanical Engineering &gt; Heating, Ventilating, and Air Conditioning

ID	Title	Level	Credit	Review Category
26327	Demonstrate knowledge and plan installation of pipe-work and ducting for HVAC systems <b>Demonstrate knowledge, and plan and install pipe-work and ducting for mechanical building services under supervision</b>	3	7	B
26332	Integrate mechanical building services equipment and components	4	20	B
26333	Install external insulation to pipe-work and ducting for mechanical building services	3	3	B
26334	Install pipe-work for mechanical building services	4	20	B
26335	Demonstrate introductory knowledge of mechanical building services	3	8	B
31142	Demonstrate knowledge of refrigerants, classification, and environmental effects for mechanical building services <b>Demonstrate knowledge of refrigerants and their use in mechanical building services</b>	3	3	B