

## Field      Engineering and Technology

### Review of *Passive Fire Protection* unit standards

Subfield	Domain	ID
Mechanical Engineering	Passive Fire Protection	26422-26424, 29157, 31915-31917

Hanga Aro Rau Manufacturing, Engineering and Logistics Workforce Development Council has completed the review of the unit standards listed above.

**Date new versions published**

**March 2024**

**Planned review date**

**December 2028**

### Summary

Hanga-Aro-Rau Workforce Development Council undertook a review of the Passive Fire Protection domain unit standards from November 2022 and July 2023 as part of the 5-year review cycle. Regular Technical Advisory Group (TAG) meetings were held with a wide range of industry stakeholders, including representatives from fire protection industry associations, employers, training providers, assessment writers and subject matter experts. Passive fire protection was reviewed separately from the active fire protection review to achieve clarity and wider consultation.

Five new unit standards have been developed to address gaps in passive fire protection specific skills and knowledge identified by the stakeholders.

All feedback received was incorporated and endorsed for registration by the stakeholders in July 2023.

### Main changes

- Guidance information and document formatting were updated across the suite of unit standards.
- Standard setting body information was updated from Competenz to Hanga-Aro-Rau Workforce Development Council.
- Performance criteria and range statements were updated to accurately reflect current industry practice and legislation.
- Language was simplified for clarity of intent.
- The titles of unit standard 26423, 26424 and 31917 were changed to reflect industry practice and compliance practices.
- The development of five new unit standards (33298, 33299, 33300, 33301, and 33302) addresses a range of key aspects in passive fire protection, including compliance with the New Zealand Building Code, product functionality in fire protection systems, adherence to New Zealand standards, and interpretation of fire safety reports, architectural drawings, and building services drawings. Additionally, these standards cover substrates and their fire rating, as well as principles related to fire development and the impact of smoke and fire on people and components, collectively enhancing expertise and awareness in passive fire protection systems.

**The last date for assessment of superseded versions of Category B unit standards is December 2026**

## 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

### Engineering and Technology > Mechanical Engineering > Passive Fire Protection

ID	Title	Level	Credit	Review Category
26422	Demonstrate knowledge of passive fire protection	3	10	B
26423	Inspect passive fire protection as part of a routine inspection <b>Inspect passive fire protection as part of a routine compliance inspection</b>	4	35	B
26424	Inspect and verify passive fire protection for compliance with the building consent <b>Inspect passive fire protection for compliance with the building consent</b>	4	40	B
29157	Demonstrate knowledge of the fundamentals of passive fire protection systems	3	4	B
31915	Demonstrate knowledge of passive fire protection system elements and products, and installation practices	3	10	B
31916	Install compliant passive fire protection building elements and products	3	35	B
31917	Select, use, and care for tools and equipment used in the installation of compliant passive fire protection <b>Select, use, and care for tools and equipment used in the installation of passive fire protection</b>	2	5	B
<b>33298</b>	<b>Demonstrate knowledge of the New Zealand building code in relation to passive fire protection</b>	<b>4</b>	<b>10</b>	<b>NEW</b>
<b>33299</b>	<b>Demonstrate knowledge of passive fire protection systems and product functionality in buildings</b>	<b>4</b>	<b>20</b>	<b>NEW</b>
<b>33300</b>	<b>Demonstrate knowledge of passive fire protection safety documentation and potential conflicts</b>	<b>4</b>	<b>10</b>	<b>NEW</b>
<b>33301</b>	<b>Demonstrate knowledge of substrate specifications for passive fire protection</b>	<b>4</b>	<b>10</b>	<b>NEW</b>
<b>33302</b>	<b>Demonstrate knowledge of fire principles and the impact fire and smoke have on people</b>	<b>4</b>	<b>5</b>	<b>NEW</b>