

**Field      Engineering and Technology****Review of *Fire Protection Systems Technology* unit standards 17709-17711**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Mechanical Engineering	Fire Protection Systems Technology	17709-17711

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

**Date new versions published** **May 2010**

**Planned review date** **December 2015**

**Summary**

Since these standards were last reviewed in 2006/07 there have been further changes to the Building Act and its associated regulations and codes. As a result, the fire protection industry now requires personnel to carry out two types of inspections for passive fire protection in buildings:

- Existing buildings are to be inspected for ongoing compliance with the requirements of the Compliance Schedule; and
- New buildings are to be inspected for compliance with the Building Consent

These inspections must be carried out by qualified persons licensed by a Territorial Authority as Independent Qualified Persons (IQPs) for the type of inspections they do. Two qualifications are being developed to match this requirement.

To achieve this, the three existing standards have been substantially altered and re-classified. At the same time, credits have been amended to better reflect the time taken for candidates to learn and be assessed against their outcomes.

Consultation included the Passive Fire Protection Group of the Fire Protection Association New Zealand, with representatives from Territorial Authorities, the Building Research Association of New Zealand (BRANZ), the Department of Building and Housing, the New Zealand Fire Service, building and fire consultants, installers, inspectors, and providers. This group provided experts for fine tuning the drafts, and the group endorsed the proposal in their meeting on 25 February 2010.

The Sector Advisory Group of the Fire Protection Industry endorsed the replacement standards on 17 February 2010.

**Main changes**

- Unit standards 17709 and 17710 were replaced by unit standard 26422.
- Unit standard 17711 was replaced by unit standard 26423.
- A new unit standard, 26424, was developed to meet the requirements for inspection of new buildings for compliance with the Building Consent.
- Unit standards 26422, 26423, and 26424 will be registered in the *Passive Fire Protection* domain to achieve appropriate qualification titles.
- Range statements of the unit standards were written to clearly specify evidence requirements for assessment.

- Credit values of the replacement unit standards were amended to better reflect learning and assessment times.

### Category C unit standards will expire at the end of December 2014

#### Impact on existing accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or ID	Level	Nature of accreditation	Classification or ID	Level
Domain	Fire Protection Systems Technology	Any	Domain	Passive Fire Protection	Same

#### Impact on Accreditation and Moderation Action Plan (AMAP)

There is no impact on the AMAP.

#### Impact on registered qualifications

Key to type of impact	
<b>Affected</b>	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
<b>Not materially affected</b>	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following Competenz qualifications are impacted by the outcome of this review. The standards that generated the status Affected are listed in bold.

Ref: 0864 will be reviewed in 2012. Ref: 0867 was replaced by the National Certificate in Mechanical Engineering (Level 5) with strands in Engineering Fabrication, Fire Protection, General and Maintenance Engineering, Mechanical Services, and Precision Engineering [Ref: 1545].

Ref	Qualification Title	Classification or ID
0864	National Certificate in Fire Protection Systems Technology (Inspection and Testing) (Level 4)	<b>17710</b>

#### 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 &gt; Mechanical Engineering

ID	Domain	Title	Level	Credit	Review Category
17709 and 17710	Fire Protection Systems Technology	Demonstrate knowledge of inspection and testing of passive fire safety systems	4	4	C
26422	Fire Protection Systems Technology <b>Passive Fire Protection</b>	Demonstrate knowledge of passive fire safety systems <b>Demonstrate knowledge of passive fire protection</b>	3 <b>3</b>	4 <b>10</b>	C
17711 26423	Fire Protection Systems Technology <b>Passive Fire Protection</b>	Inspect and test passive fire safety systems <b>Inspect and verify passive fire protection as part of a routine inspection</b>	4 <b>3</b>	6 <b>25</b>	C
26424	<b>Passive Fire Protection</b>	<b>Inspect passive fire protection for compliance with Building Consents</b>	<b>4</b>	<b>30</b>	<b>New</b>