

Field Engineering and Technology**Review of *Mechanical Engineering* unit standards**

Subfield	Domain	ID
Mechanical Engineering	Fixed Fire Protection Systems	9379-9382, 9396, 17733, 17736

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

Date new versions published

July 2011

Planned review date

December 2016

Summary

Competenz completed a review of the unit standards above in consultation with the industry representatives and experts, assessors, moderators and provider of the standards. Consultation was through meetings, an online survey, and email. Comments retained in the Competenz database were also integrated.

The review was to ensure the standards met industry requirements, and to ensure they were clear, logical and fit for purpose. Only standard 17736, which has been assessed against three times, has been used since 2004.

The review found that the majority of the standards from the Fixed Fire Protection Systems domain were not fit for purpose. New unit standards were developed to reflect the current industry practices, and knowledge and skills required at this level in the industry. The Level 3 and 4 unit standards in this domain will be reviewed as another project later this year.

Main changes

- Unit standards 9369, 9379, 9380, and 17733 are no longer required by the industry and have been designated expiring.
- Unit standards 9381 and 9382 have been replaced by unit standard 27524.
- Unit standard 17736 has been replaced by unit standard 27525.
- References were checked and updated where required.

The standards covered by this report use the new terminology reflected in the *Quality assurance criteria for the listing of unit standards on the Directory of Assessment Standards* and are in the new associated format.

Category C and D unit standards will expire at the end of December 2012

Impact on registered qualifications

Key to type of impact	
Affected	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
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following table identifies a qualification developed by another SSB that is impacted by the outcome of this review. The SSB has been advised that the qualification requires revision. The standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	ID	SSB Name
0736	National Diploma in Workplace Emergency Risk Management (Building Fire and Emergency Manager) (Level 5)	9379, 9380	Fire and Rescue Services Industry Training Organisation

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 > Fixed Fire Protection Systems

ID	Title	Level	Credit	Review Category
9369	Commission water supplies for conventional fixed fire protection systems	5	8	D
9379	Establish performance requirements for standardised conventional fixed fire protection systems	5	13	D
9380	Establish performance requirements for special hazards fixed fire protection systems	6	18	D
9381	Design conventional fixed fire protection systems	5	40	C
9382	Design special hazards fixed fire protection systems	5	35	C
27524	Design fixed fire protection systems	5	20	
17733	Demonstrate knowledge of, and apply standards and documentation for fixed fire protection systems	5	8	D
17736	Certify fixed fire protection systems	5	8	C
27525	Inspect and certify fixed fire protection systems	5	20	
27526	Supervise fire protection industry jobs/operations	5	30	New