

Field Engineering and Technology**Review of *Explosive Atmospheres* unit standards**

Subfield	Domain	ID
Explosive Atmospheres	Electrical Apparatus in Explosive Atmospheres - Compliance	17055, 17074,17075, 24980
	Electrical Apparatus in Explosive Atmospheres - Operations	17056, 17058, 17070, 17071, 26739, 26740, 26741

The Skills Organisation has completed the review of the unit standards listed above.

Date new versions published

March 2017

Planned review date

December 2021

Summary

The review of these unit standards was initiated through their planned review and the Targeted Review of Qualifications (TRoQ) for Engineering and Technology triggered for 2011.

The unit standards were reviewed to ensure that they are fit for purpose, relevant to the Electrical Equipment in Explosive Atmospheres sector of the Electrical Engineering Industry and are readily available for assessment. Industry representatives from the TRoQ Review and Qualification Development Group were involved in the review and writing of these unit standards and took into account the requirements of AS/NZS 4761.1:2017 *Competencies for working with electrical equipment in hazardous areas (EEHA)*, which is in draft format. Standards Australia plan to publish the final version later in 2017, at which time The Skills Organisation will review the unit standards covered in this application against the published Standard.

Main changes

- Changes were made to accurately reflect industry terminology and practice, entry requirements, and evidence requirements.
- 10 unit standards have been reviewed as Category B.
- 4 new unit standards were developed.
- 1 unit standard has been reviewed as Category C and replaced.
- A last date for superseded versions of Category B unit standards was specified.

The Category C unit standard will expire at the end of December 2020

The last date for assessment of superseded versions of Category B unit standards is December 2021

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 > Explosive Atmospheres > Electrical Apparatus in Explosive Atmospheres - Compliance

ID	Title	Level	Credits	Review Category
17055	Manage compliance of hazardous areas Manage compliance of explosive atmospheres	5	3	B
17074	Conduct visual inspection of existing explosive atmospheres installations Conduct visual and close inspection of electrical installations for explosive atmospheres	4	2 3	B
17075	Conduct detailed inspection of electrical apparatus installations in explosive atmospheres	5	2	C
30071	Conduct detailed inspection of electrical installations for explosive atmospheres	5	5	
24980	Conduct audit of hazardous areas installations	5	3	B
	Perform compliance audits of explosive atmospheres and the related electrical installation	6		
30068	Enter classified explosive atmosphere areas to undertake work	3	2	New
30070	Manage continuous supervision inspection associated with explosive atmospheres	6	5	New

Engineering and Technology > Explosive Atmospheres > Electrical Apparatus in Explosive Atmospheres - Operations

ID	Title	Level	Credits	Review Category
17056	Install explosion-protected electrical apparatus and wiring systems in hazardous areas Install explosion-protected equipment and associated equipment and wiring systems	4	9	B
17058	Maintain apparatus in explosive atmospheres Maintain electrical equipment associated with explosive atmospheres	4	9	B

ID	Title	Level	Credits	Review Category
17070	Develop and manage maintenance programmes for explosive atmospheres installations Develop and manage electrical inspection and maintenance programmes for explosive atmospheres	6 5	8	B
17071	Plan electrical installations for explosive atmospheres	5	8	B
26739	Demonstrate introductory underpinning knowledge of electrical apparatus in explosive atmospheres Demonstrate introductory underpinning knowledge of electrical equipment in explosive atmospheres	4	5 7	B
26740	Demonstrate and apply intermediate underpinning knowledge of electrical apparatus in explosive atmospheres Demonstrate and apply intermediate underpinning knowledge of electrical equipment in explosive atmospheres	4	5	B
26741	Demonstrate underpinning knowledge of gas detection apparatus in explosive atmospheres Demonstrate underpinning knowledge of gas detection equipment in explosive atmospheres	4	4 6	B
30069	Determine the explosion-protection requirements specified for classified explosive atmospheres	4	5	New