

Australian/New Zealand Standard®

**Maintenance of fire protection
equipment**

**Part 16: Pyrogen fire extinguishing
aerosol systems**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee FP/11, Fire Extinguishing Systems. It was approved on behalf of the Council of Standards Australia on 25 July 1997 and on behalf of the Council of Standards New Zealand on 11 July 1997. It was published on 5 September 1997.

The following interests are represented on Committee FP/11:

Australian Chamber of Commerce and Industry
Fire Protection Association, Australia
Commonwealth Fire Board, Australia
Department of Defence, Australia
Fire Trainers Association of Australia
Institute of Security Executives
New Zealand Fire Equipment Association
New Zealand Fire Protection Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP/11 on Fire Extinguishing Systems to provide suitable requirements for the regular maintenance of Pyrogen fire extinguishing aerosol systems.

The objective of this Standard is to provide users of Pyrogen fire extinguishing aerosol systems with the necessary requirements needed in the regular maintenance of such systems.

Pyrogen fire extinguishing aerosol systems may incorporate control and indicating equipment (CIE) that complies with AS 1603.4, *Automatic fire detection and alarm systems*, Part 4: *Control and indicating equipment*, and is installed in accordance with AS 1670, *Automatic fire detection and alarm systems—System design, installation, and commissioning*. The maintenance provisions of this Standard therefore overlap those for control and indicating equipment contained in AS 1851.8, *Maintenance of fire protection equipment*, Part 8: *Automatic fire detection and alarm systems*. Where the CIE for a system forms part of a fire indicator panel (FIP) serving other zones as well as the protected enclosure, then maintenance in accordance with AS 1851.8 and this Standard can be undertaken simultaneously without the need for duplication.

This Standard has some variance in text from its sister document, AS 1851.8, due to the change in the document style procedures of Standards Australia.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**Maintenance of fire protection equipment****Part 16: Pyrogen fire extinguishing aerosol systems**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard sets out requirements for the regular maintenance of fire extinguishing systems utilizing SOYUZ pyrogenically generated fire extinguishing aerosols, designed and installed in accordance with AS/NZS 4487. Regular maintenance includes inspection and testing.

The Pyrogen fire extinguishing aerosol shall be referred to as the 'extinguishant' in this Standard.

NOTE: A Pyrogen fire extinguishing aerosol system is generally referred to in this Standard as 'a Pyrogen system' or 'the Pyrogen system'.

1.2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

1603 Automatic fire detection and alarm systems

1603.4 Part 4: Control and indicating equipment

1670 Automatic fire detection and alarm systems—System design, installation, and commissioning

1851 Maintenance of fire protection equipment

1851.8 Part 8: Automatic fire detection and alarm systems

2484 Fire—Glossary of terms

2484.2 Part 2: Fire protection and firefighting equipment

AS/NZS

4487 Pyrogen fire extinguishing aerosol systems

1.3 DEFINITIONS For the purpose of this Standard, the definitions given in AS 1603.4, AS 1670, AS 2484.2 and AS/NZS 4487 apply.

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