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Australia

AS 1851—2005

(Incorporating Amendment Nos 1 and 2)

Maintenance of Fire Protection Systems and Equipment



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This Australian Standard® was prepared by Committee FP-001, Maintenance of Fire Protection Systems and Equipment. It was approved on behalf of the Council of Standards Australia on 29 June 2005.

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The following are represented on Committee FP-001:

- Australian Institute of Refrigeration, Air-conditioning and Heating
 - Australasian Fire Authorities Council
 - Communications, Electrical and Plumbing Union
 - Department of Defence
 - Department of Human Services
 - Fire Protection Association of Australia
 - Engineers Australia
 - National Association of Testing Authorities, Australia
 - National Electrical & Communications Association
 - Property Council of Australia
 - Representatives from Standards Australia Technical Committees—
 - FP-002—Fire detection and alarms
 - FP-003—Fire extinguishers
 - FP-004—Automatic fire sprinkler systems
 - FP-007—Fire hose reels
 - FP-008—Fire pumpsets
 - FP-009—Fire hydrants
 - FP-011—Special fire hazards
 - FP-017—Emergency management procedures
 - FP-019—Passive fire systems
 - ME-062—Ventilation and Airconditioning
-

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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AS 1851—2005
(Incorporating Amendment Nos 1 and 2)

Australian Standard[®]

**Maintenance of fire protection systems
and equipment**

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AS 1851.1—1995, AS 1851.2—1995, AS 1851.3—1997, AS 1851.4—1992, AS 1851.5—1981, AS 1851.6—1997, AS 1851.7—1984, AS 1851.8—1987, AS 1851.9—1997, AS 1851.10—1989, AS 1851.11—1991, AS 1851.12—1995, AS/NZS 1851.13:1995, AS 1851.14—1996, AS 1851.15—1997 and AS/NZS 1851.16:1997 revised, amalgamated and redesignated as AS 1851—2005.

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PREFACE

This Standard was prepared by the Standards Australia Committee FP-001, Maintenance of Fire Protection Systems and Equipment, to supersede the following.

AS 1851 Maintenance of fire protection equipment

AS 1851.1—1995	Part 1:	Portable fire extinguishers and fire blankets
AS 1851.2—1995	Part 2:	Fire hose reels
AS 1851.3—1997	Part 3:	Automatic fire sprinkler systems
AS 1851.4—1992	Part 4:	Fire hydrant installations
AS 1851.5—1981	Part 5:	Automatic smoke/heat venting systems
AS 1851.6—1997	Part 6:	Management procedures for maintaining the fire and smoke control features of air-handling systems
AS 1851.7—1984	Part 7:	Fire-resistant doorsets
AS 1851.8—1987	Part 8:	Automatic fire detection and alarm systems
AS 1851.9—1997	Part 9:	Delivery lay flat fire hose
AS 1851.10—1989	Part 10:	Emergency warning and intercommunication systems
AS 1851.11—1991	Part 11:	Halon 1301 total flooding systems
AS 1851.12—1995	Part 12:	Gaseous fire extinguishing systems
AS/NZS 1851.13—1995	Part 13:	Wheeled fire extinguishers
AS 1851.14—1996	Part 14:	Pumpset systems
AS 1851.15—1997	Part 15:	Local fire alarm systems
AS/NZS 1851.16—1997	Part 16:	Pyrogen fire extinguishing aerosol systems

This Standard incorporates Amendment No. 1 (July 2006) and Amendment No. 2 (May 2008). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This edition of AS 1851 incorporates a considerable amount of new material for the maintenance of fire protection systems and equipment. In the light of user experience, it may be necessary to amend the Standard. The committee responsible for AS 1851—2005 will address user comment as and when received.

A feature of this edition is a uniform structure for maintenance requirements. Section 1 sets out general requirements applying to all systems and equipment. The other Sections contain the additional requirements specific to particular fire protection systems or equipment.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of the Standard, whereas an ‘informative’ appendix is only for information and guidance.

Notes in this Standard are advisory only.

This Standard incorporates a Commentary on some clauses. The Commentary directly follows the relevant clause, is designated by ‘C’ preceding the clause number and is printed in italics in a panel. The Commentary is for information only and does not need to be followed for compliance with the Standard.

The following list of AS 1851 superseded parts shows the corresponding applicable sections in this revised Standard as a source of reference.

Superseded AS 1851 Parts			AS 1851—2005	
Standard No.	Date published	Short title	Group	Section
AS 1851.1	1995	Extinguishers and blankets	First aid	15 and 16
AS 1851.2	1995	Hose reels	First aid	14
AS 1851.3	1997	Sprinklers	Water-based	2
AS 1851.4	1992	Hydrants	Water-based	4
AS 1851.5	1981	Smoke/heat venting	HVAC	18
AS 1851.6	1997	Fire and smoke management	HVAC	18
AS 1851.7	1984	Fire doorsets	Passive	17
AS 1851.8	1987	Detection alarms warning	Detection	6
AS 1851.9	1997	Lay flat hose	Water-based	5
AS 1851.10	1989	EWIS	Detection	9 and 10
AS 1851.11	1991	Halon 1301	Special hazards	Obsolete
AS 1851.12	1995	Gaseous	Special hazards	11
AS/NZS 1851.13	1995	Wheeled extinguishers	First aid	15
AS 1851.14	1996	Pumpsets	Water-based	3
AS 1851.15	1997	Local alarms	Detection	7 or 6
AS/NZS 1851.16	1997	Pyrogen aerosols	Special Hazard	12
—	—	Fire monitoring systems (new)	Detection	8
—	—	Smoke alarms (new)	Detection	7
—	—	Water mist (new)	Special Hazard	13
—	—	Evacuation (new)	EVAC	19

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