



Protective helmets for structural firefighting

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This Australian Standard® was prepared by Committee SF-049, Firefighters' Personal Protective Equipment. It was approved on behalf of the Council of Standards Australia on 5 April 2012.

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- Association of Accredited Certification Bodies
 - Australasian Fire and Emergency Service Authorities Council
 - Australian Chamber of Commerce and Industry
 - Australian Industry Group
 - Council of Textile and Fashion Industries of Australia
 - CSIRO Textile and Fibre Technology
 - Department of Defence (Australia)
 - Footwear Manufacturers Association of Australia
 - New Zealand Fire Services
 - New Zealand Footwear Industry Association.
 - New Zealand Leather and Shoe Research Association
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 - New Zealand Professional Firefighters Union
 - NSW Rural Fire Service Association
 - Suppliers of Helmets
 - Testing Interests (Australia)
 - United Firefighters Union of Australia
 - University of Otago New Zealand
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-

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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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Australian Standard®

**Protective helmets for structural
firefighting**

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-049, Firefighters' Personal Protective Equipment, to supersede AS/NZS 4067:2004, *Firefighters' helmets*.

This Standard incorporates Amendment No. 1 (October 2014) and Amendment No. 2 (May 2020). 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.

A2 | Amendment No. 2 to this Standard was prepared by the Australian members of Joint Standards Australia/Standards New Zealand Committee SF-049, Firefighters Personal Protective Equipment. As a consequence of Amendment No. 2, which is published as an Australian-only amendment, the designation of this Standard has been changed from AS/NZS 4067:2012 to AS 4067:2012.

Clauses 5.13 and Q1 in this Standard deviate from SG-006 Clause 34 in that they specify the accreditation of testing laboratories and third party laboratory testing, respectively. This was approved by the Standards Development and Accreditation Committee (SDAC) on 8 November 2019.

It has been the Committee's intention to align this Standard in the future with relevant ISO Standards for firefighters' PPE when these are published. The objective of the current revision is to progress this alignment by adopting test methods from both EN 443 and NFPA 1971 in place of, or additional to, former requirements.

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 a Standard, whereas an 'informative' appendix is only for information and guidance.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	5
1.2 OBJECTIVE.....	5
1.3 REFERENCED DOCUMENTS.....	5
1.4 DEFINITIONS.....	6
SECTION 2 MATERIALS OF CONSTRUCTION	
SECTION 3 DESIGN AND CONSTRUCTION	
3.1 GENERAL.....	8
3.2 SHELL.....	8
3.3 RETENTION SYSTEM.....	9
3.4 FACESHIELD.....	9
3.5 EAR AND NECK PROTECTION.....	9
3.6 HELMET ACCESSORIES AND ASSOCIATED EQUIPMENT.....	10
SECTION 4 TEST SAMPLES AND CONDITIONING	
4.1 GENERAL.....	11
4.2 TEST SAMPLES.....	11
4.3 CONDITIONING.....	12
SECTION 5 PERFORMANCE REQUIREMENT	
5.1 ELECTRICAL INSULATION.....	15
5.2 FLAME PROPAGATION.....	15
5.3 CONVECTIVE HEAT EXPOSURE.....	15
5.4 RADIANT HEAT EXPOSURE.....	15
5.5 IMPACT ENERGY ATTENUATION (ACCELERATION METHOD).....	15
5.6 IMPACT RESISTANCE (FORCE TRANSMISSION METHOD).....	16
5.7 PENETRATION RESISTANCE.....	16
5.8 RETENTION SYSTEM.....	16
5.9 FACESHIELDS.....	17
5.10 EAR AND NECK PROTECTORS.....	18
5.11 HORIZONTAL PERIPHERAL VISION.....	18
5.12 MECHANICAL RIGIDITY.....	19
5.13 TEST LABORATORY.....	20
SECTION 6 MARKING	
6.1 HELMETS.....	21
6.2 INFORMATIVE LABELLING.....	21
6.3 REPLACEMENT COMPONENTS MARKING.....	22
APPENDICES	
A CHARACTERISTICS OF MATERIALS USED IN THE MANUFACTURE OF HELMETS.....	23
B CHEMICAL RESISTANCE TESTING OF FACESHIELDS.....	24
C ELECTRICAL INSULATION TEST.....	25
D DETERMINATION OF FLAME PROPAGATION PROPERTIES OF HELMETS.....	27
E CONVECTIVE HEAT EXPOSURE TEST.....	30
F RADIANT HEAT EXPOSURE TEST.....	32

G HELMET SHELL DURABILITY CONDITIONING 35
H IMPACT ENERGY ATTENUATION (ACCELERATION METHOD) 36
I PENETRATION TEST 40
J DETERMINATION OF FLAME PROPAGATION PROPERTIES OF
FACESHIELDS 42
K FACESHIELDS—IMPACT RESISTANCE TESTS 44
L HOT SOLIDS EXPOSURE TEST 50
M RADIANT HEAT CONDITIONING 52
N IMPACT RESISTANCE (FORCE TRANSMISSION METHOD) 54
O MECHANICAL RIGIDITY 57
P THERMAL SHOCK TEST (FOR FACESHIELD ONLY) 58
Q AFTERMARKET ACCESSORIES 59

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Australian Standard
Protective helmets for structural firefighting

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for helmets designed to protect the head from a blow by a heavy or sharp object, as well as adverse environmental conditions likely to be encountered in structural firefighting.

A2 | This Standard specifies performance criteria for faceshields, ear and neck protectors where these are fitted to the helmet. Other accessories performance criteria are not covered by this Standard.

Requirements for aftermarket accessories are given in Appendix C.

Those organizations responsible for other specialist functions, e.g. bush firefighting, are urged to use protective equipment specifically designed for these activities, e.g. Type 3 helmets specified in AS/NZS 1801.

1.2 OBJECTIVE

The objective of this Standard is to specify helmets that are to be worn for structural firefighting in order to reduce the severity of head and facial injury associated with such activities.

1.3 REFERENCED DOCUMENTS

The following documents are referenced in this Standard:

AS

1815	Metallic materials—Rockwell hardness test
1815.1	Test methods (Scales A, B, C, D, E, F, G, H, K, N, T)
2755	Textile fabrics—Burning behaviour
2755.1	Part 1: Determination of ease of ignition of vertically oriented specimens
2755.2	Part 2: Measurement of flame spread properties of vertically oriented specimens

AS/NZS

1337	Personal eye protection
1337.0	Part 0: Eye and face protectors—Vocabulary
1337.1	Part 1: Eye and face protectors for occupational applications
1698	Protective helmets for vehicle users
1801	Occupational protective helmets
1906	Retroreflective materials and devices for road traffic control purposes
1906.1	Part 1: Retroreflective sheeting
2512	Methods of testing protective helmets
2512.1	Method 1: Definitions and headforms
2512.2	Method 2: General requirements for the conditioning and preparation of test specimens and laboratory conditions