

AS 4967(Int)—2001
(Expires 20 March 2003)

AS 4967(Int)

Interim Australian Standard™

**Protective clothing for firefighters—
Requirements and test methods for
protective clothing used for structural
firefighting**



S t a n d a r d s Australia

This Interim Australian Standard was prepared by Committee SF-004, Occupational Protective Clothing. It was approved on behalf of the Council of Standards Australia on 28 February 2001 and published on 20 March 2001.

The following interests are represented on Committee SF-004:

Australian Fire Authorities Council
Australian Association of Certification Bodies
Australian Business
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Wool Processors Council
Australian Wool Research and Promotion Organisation
Australian Wool Testing Authority
Bureau of Steel Manufacturers of Australia
Council of Textile and Fashion Industries of Australia
Country Fire Authority of Victoria
National Occupational Health and Safety Commission
Safety Institute of Australia (Incorporated)
Textile Clothing and Footwear Union of Australia
The Australian Assembly of Volunteer Fire Brigades Association
Transit New Zealand
United Firefighters Union of Australia
University of Otago New Zealand
University of Western Sydney
WorkCover New South Wales
Worksafe Western Australia

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Australia web site at www.standards.com.au and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Australian Standard*, has a full listing of revisions and amendments published each month.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.com.au, or write to the Chief Executive, Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001.

AS 4967(Int)—2001

Interim Australian Standard™

**Protective clothing for firefighters—
Requirements and test methods for
protective clothing used for structural
firefighting**

First published as AS 4967(Int)—2001.

COPYRIGHT

© Standards Australia International

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 3809 5

PREFACE

This Interim Australian Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-004, Occupational Protective Clothing.

This Interim Standard is based on a two-tiered CEN draft document, CEN/TC 162/N 379R1, with some variations to meet Australian requirements.

Standards Australia invites comment from persons and organizations concerned with this subject. The date of expiry of this Interim Standard is two years after publication, at which time this Interim Standard will be confirmed, withdrawn or revised in the light of public comment.

During the life of the document the Committee will monitor all comment as it is received.

AS 4360, *Risk Management* should be referred to when references to risk assessments are made.

The term ‘normative’ has been used in this Interim Standard to define the application on the Appendix to which it applies. A ‘normative’ appendix is an integral part of this Interim Standard.

CONTENTS

	<i>Page</i>
FOREWORD.....	4
 SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	5
1.2 OBJECTIVE.....	5
1.3 APPLICATION	5
1.4 REFERENCED DOCUMENTS.....	5
1.5 DEFINITIONS.....	6
 SECTION 2 DETERMINATION OF REQUIREMENTS FOR FIREFIGHTERS’ PROTECTIVE CLOTHING.....	
	10
 SECTION 3 DESIGN AND PERFORMANCE REQUIREMENTS	
3.1 GENERAL.....	11
3.2 DESIGN REQUIREMENTS.....	11
3.3 SAMPLING AND PRETREATMENT	12
3.4 BASIC SAFETY REQUIREMENTS.....	13
3.5 HEAT TRANSFER (FLAME).....	13
3.6 HEAT TRANSFER (RADIATION)	14
3.7 RESIDUAL STRENGTH OF MATERIAL WHEN EXPOSED TO RADIANT HEAT	14
3.8 HEAT RESISTANCE.....	14
3.9 TENSILE STRENGTH.....	14
3.10 TEAR STRENGTH	14
3.11 ABRASION RESISTANCE	15
3.12 RESISTANCE TO WATER AND LIQUID CHEMICALS	15
3.13 DIMENSIONAL CHANGE.....	16
3.14 RETRO-REFLECTIVE/FLUORESCENT MATERIAL	16
3.15 ADDITIONAL GARMENT TESTING	16
 SECTION 4 MARKING	
4.1 GENERAL.....	17
4.2 MARKING REQUIREMENTS	17
4.3 MANUFACTURERS’ INFORMATION	17
 APPENDIX A RETRO-REFLECTIVE/FLUORESCENT MATERIALS.....	
	19

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-