ISO-<u>/</u>TC-94/SC-14<del>/WG</del>

Secretariat:-SA

Date: 2024-<del>05-30</del>xx

PPE for firefighters— Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures—Part 1: General—

Élément introductif — Élément central — Partie 1: Titre de la parti

iTeh Standards
(https://standards.iteh.
Document Preview

ISO/FDIS 11999-

https://standards.iteh.ai/catalog/standards/iso/9e9f3d06-57e2-406c-a295-c

Style Definition	
Style Definition	
-	<u> </u>
Style Definition	
Style Definition	
Style Definition	<u> </u>
Style Definition	<u></u>
Style Definition	
Style Definition	
Style Definition	
Style Definition	[]
Style Definition	

Style Definition
Style Definition

# <u>Part 1:</u> <u>General</u>

Équipement de protection individuelle pour pompiers — Méthodes d'essai et exigences pour les équipements de protection individuelle utilisés par les pompiers qui risquent d'être exposés à des niveaux élevés de chaleur et/ou de flamme lorsqu'ils combattent des incendies dans des structures —

Partie 1: Généralités

FDIS stage

**Document Preview** 

ISO/FDIS 11999-1

https://standards.iteh.ai/catalog/standards/iso/9e9f3d06-57e2-406c-a295-c7d6f8c7037d/iso-fdis-11999-1

# iTeh Standards (https://standards.iteh.ai) Document Preview

ISO/FDIS 11999-1

https://standards.iteh.ai/catalog/standards/iso/9e9f3d06-57e2-406c-a295-c7d6f8c7037d/iso-fdis-11999-1

© ISO 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: + 41 22 749 01 11 EmailE-mail; copyright@iso.org

Website: www.iso.org

Published in Switzerland

Formatted: Font: Bold

Formatted: HeaderCentered

Formatted: French (France)

**Formatted:** Right: 1.5 cm, Bottom: 1 cm, Gutter: 0 cm, Header distance from edge: 1.27 cm, Footer distance from edge: 0.5 cm

**Commented [eXtyles1]:** The reference "ISO 2024" is to a withdrawn standard

Formatted: Default Paragraph Font, French (France)

Formatted: French (France)

Formatted: Default Paragraph Font, French (France)

Formatted: French (France)

**Formatted:** Adjust space between Latin and Asian text, Adjust space between Asian text and numbers

Formatted: French (France)

Formatted: French (France)
Formatted: French (France)

iTeh Standards (https://standards.iteh.ai) Document Preview

ISO/FDIS 11999-1

https://standards.iteh.ai/catalog/standards/iso/9e9f3d06-5/e2-406c-a295-c/d6f8c/03/d/iso-fdis-11999-1

Formatted: Font: 10 pt

Formatted: Font: 10 pt

Formatted: Font: 11 pt

Formatted: FooterPageRomanNumber, Space After: 0

pt, Line spacing: single

© ISO ####\_2024 - All rights reserved

Contents

rorew	voru
Introd	ductionv
1	<u>Scope</u>
2	Normative references1
3	Terms, definitions and abbreviated terms
3.1	Terms and definitions 2
3.2	Abbreviated terms
3.3	Subscripts3
4	Design and performance requirements for PPE items and ensembles3
4.1	General3
4.2	Innocuousness3
4.3	Items of PPE, combinations, and ensembles
5	Marking4
<u>5.1</u>	General4
<u>5.2</u>	Compliance marking requirements for an item of PPE4
5.3	Additional marking for compatibility5
6	Information supplied5
6.1	Information to be supplied by the manufacturer5
6.2	Manufacturer instructions for use5
7	Compatibility instructions 6
Riblio	ography8
DIDITO	Document Preview
_	vord v
Introd	luction ISO TDIS 11999-1 vi
<del>1 h</del>	Scope standards item aircanalog standards iso people and 57e2 400c at 1
2	Normative references.
	Terms and definitions 1
<del>3</del>	
4_1_	Design and performance requirements for PPE items and ensembles 3 General 3
4.1	Innocuousness 3
	Items of PPE, combinations, and ensembles
5	
5.1	Marking 3 General 3
5.1 5.2	
	Compliance marking requirements for an item of PPE
5.3	Compliance marking requirements for an item of PPE
5.3	Compliance marking requirements for an item of PPE
5.3 6 6.1	Compliance marking requirements for an item of PPE
5.3 6—— 6.1—— 6.2	Compliance marking requirements for an item of PPE 3 Additional marking for compatibility 4 Information supplied 4 Information to be supplied by the manufacturer 4 Manufacturer Instructions for use 4
5.3 6—— 6.1—— 6.2	Compliance marking requirements for an item of PPE

Formatted: Font: Bold

Formatted: HeaderCentered, Left

Formatted: Font: 10 pt

Formatted: Font: 10 pt

Formatted: Font: 10 pt

Formatted: FooterCentered, Left, Space Before: 0 pt,

Tab stops: Not at 17.2 cm

Formatted: Font: 11 pt

Formatted: FooterPageRomanNumber, Left, Space

After: 0 pt, Tab stops: Not at 17.2 cm

© ISO-2024 - All rights reserved

iii

#### **Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part-1. In particular, the different approval criteria needed for the different types of ISO documents document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part-2 (see <a href="https://www.iso.org/directives/">www.iso.org/directives/</a>.

Attention is drawn[SO draws attention to the possibility that some of the elementsimplementation of this document may be in volve the subjectuse of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights, in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>.

This document was prepared by Technical Committee ISO/TC 94, <u>Personal safety — Personal protective</u> equipment, Subcommittee SC 14, <u>Firefighters' personal equipment</u>.

This second edition of ISO\_11999-1, together with ISO\_/TS\_11999-2 to ISO\_11999-10, cancels and replaces ISO\_11999-2,1;2015, which has been technically revised.

The main changes are as follows:

- —the content has been revised with a focus on single performance requirements;
- performance requirements for respiratory protection are covered in JSO\_17420-5—Respiratory protective devices Performance requirements Part 5: Special application for fire and rescue services Supplied breathable gas RPD and filtering RPD.

A list of all parts in the ISO 11999 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at <a href="https://www.iso.org/members.html">www.iso.org/members.html</a>.

Formatted: Font: Bold

Formatted: HeaderCentered

**Formatted:** Adjust space between Latin and Asian text, Adjust space between Asian text and numbers

Formatted: Font: Italic

Formatted: Font: Italic

**Commented [eXtyles2]:** ISO 11999-1: current stage is

50.00

Commented [eXtyles3]: Not found, but similar references exist

ISO 11999-2, PPE for firefighters — Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures — Part 2: Compatibility

**Commented [eXtyles4]:** ISO 11999-10: current stage is 40.20

Formatted: Default Paragraph Font

Formatted: Default Paragraph Font
Formatted: Default Paragraph Font

Formatted: Default Paragraph Font

Formatted: Default Paragraph Font

Commented [eXtyles5]: Not found, but similar referenc ...

Formatted: Default Paragraph Font

Formatted: Default Paragraph Font

Formatted: Default Paragraph Font

Formatted: Default Paragraph Font

Formatted

Formatted: Default Paragraph Font

Formatted: Default Paragraph Font

Formatted: Default Paragraph Font

Commented [eXtyles6]: Invalid reference: "ISO 11999 ...

Formatted: Default Paragraph Font

Formatted: Default Paragraph Font

Formatted: Default Paragraph Font

Formatted

Formatted: Font: 10 pt

Formatted: Font: 10 pt

Formatted: Font: 11 pt

Formatted