TECHNICAL REPORT

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# Personal protective equipment for firefighters — Standard terms and definitions

*Équipement de protection personnelle pour pompiers — Termes et définitions normalisés*

Reference number
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# Foreword

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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 should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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

For an explanation on 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 WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

This document was prepared by Technical Committee ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 14, *Fire-fighters' personal equipment*.


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# Introduction

The definitions compiled in this document apply to the standards and draft standards prepared by ISO/TC 94/SC 14.

For this reason, the terms and definitions laid down in this technical report only cover personal protective equipment which is used by firefighters.

Since the document was developed under Clause 5.2 of the Vienna Agreement, it also takes account of terms and definitions of the relevant ISO-TC for protective clothing, ISO/TC 94/SC 13 and ISO/TR 11610. In addition, terms applied by the American National Fire Protection Association standards body and other standards bodies including EN and AS/NZS Standards are included in so far as ISO/TC 94/SC 14 use them in its standardising activities.

This document is intended to serve as a reference document for ISO/TC 94/SC 14 to ascertain what definitions already exist and may be used for setting up new standards and to provide guidance in the elaboration of new definitions. The document should be taken into account when terms need to be defined in ISO/TC 94/SC 14. Except in exceptional circumstances, terms included in Clause 3 of this document should not be re-defined with a different meaning in a standard prepared by ISO/TC 94/SC 14. If the particular use of a term requires a further definition to limit its meaning within the definition in this document, this document should be referred to and the term number given. The division of a concept defined in this document into sub-concepts in a terms and definitions clause of another standard should be in accordance with ISO 704:1994 and ISO 860. The layout should be in accordance with ISO 10241-1.

Whenever new terms are defined, the principles laid down in ISO 10241-1, ISO 860 ad ISO 704 should be taken into account as far as possible.

It is strongly recommended that terms in this document are used within the limits of their definitions when they are used in manufacturers' information leaflets and in advertising and promotion of products covered by standards prepared by ISO/TC 94/SC 14.

This document aims to facilitate the use of terms that have already been defined and to serve as a basis for further definitions when new standards are being developed for firefighters' personal protective equipment.

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# Personal protective equipment for firefighters — Standard terms and definitions

## 1 Scope

This document contains a list of terms which are frequently used in the standardization of personal protective equipment worn by firefighters and definitions of these terms. The definitions are intended to support an unambiguous use of the terms listed.

## 2 Normative references

There are no normative references in this document.

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

NOTE The following terms and definitions have been taken from ISO/TR 11610 and the existing standards and draft standards in ISO/TC 94/SC 14. For each definition, the source standard(s) is given below the term. For some terms, the definition given in the document refers to its use in the specific field of firefighters personal protective equipment.

**3.1**
**abrasion cycle**
completion of all the translational abrasion movements tracing a Lissajous figure comprising 16 rubs, i.e. 16 revolutions of the two outer drives and 15 revolutions of the inner drive of the Martindale abrasion tester

[SOURCE: ISO 12947–1:1998, 3.2]

**3.2**
**abrasion rub**
one revolution of the outer drives of the Martindale abrasion tester

[SOURCE: ISO 12947-11:1998, 3.1]

**3.3**
**attached components**
components such as but not limited to gloves and boots that can be either temporarily or permanently joined or fastened, either by design or by a procedure described by the manufacturer in the user instructions, to the chemical protective suit to create a chemical protective ensemble

**3.4**
**accessory**
additional parts that are approved by the manufacturer and can be attached to an item of PPE but are not necessary to fulfil the requirements of the standard

EXAMPLE Cable clips, lamp brackets, etc.

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