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|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>STN</b> | <b>Ochranné odevy pre hasičov<br/>Fyziologické vplyvy<br/>Časť 2: Stanovenie fyziologickej tepelnej záťaže<br/>spôsobenej nosením ochranného odevu hasičmi<br/>(ISO 18640-2: 2018/Amd 1: 2019)<br/>Zmena A1</b> | <b>STN<br/>EN ISO<br/>18640-2/A1</b><br><br>83 2766 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|

Protective clothing for firefighters - Physiological impact - Part 2: Determination of physiological heat load caused by protective clothing worn by firefighters (ISO 18640-2:2018)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/20

Obsahuje: EN ISO 18640-2:2018/A1:2019, ISO 18640-2:2018/Amd 1:2019

**130115**

EUROPEAN STANDARD

**EN ISO 18640-2:2018/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2019

ICS 13.340.10

English Version

**Protective clothing for firefighters - Physiological impact -  
Part 2: Determination of physiological heat load caused by  
protective clothing worn by firefighters - Amendment 1  
(ISO 18640-2:2018/Amd 1:2019)**

Vêtements de protection pour sapeurs-pompiers -  
Impact physiologique - Partie 2: Détermination de la  
charge thermo physiologique provoquée par les  
vêtements de protection portés par les sapeurs-  
pompiers - Amendement 1 (ISO 18640-2:2018/Amd  
1:2019)

Schutzkleidung für die Feuerwehr - Physiologische  
Wärmebelastung - Teil 2: Bestimmung der  
physiologischen Wärmebelastung ausgelöst durch von  
Feuerwehrleuten getragene Schutzkleidung -  
Änderung 1 (ISO 18640-2:2018/Amd 1:2019)

This amendment A1 modifies the European Standard EN ISO 18640-2:2018; it was approved by CEN on 6 July 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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## **European foreword**

This document (EN ISO 18640-2:2018/A1:2019) has been prepared by Technical Committee ISO/TC 94 "Personal safety -- Personal protective equipment" in collaboration with Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **Endorsement notice**

The text of ISO 18640-2:2018/Amd 1:2019 has been approved by CEN as EN ISO 18640-2:2018/A1:2019 without any modification.

**INTERNATIONAL  
STANDARD**

**ISO  
18640-2**

First edition  
2018-05

**AMENDMENT 1**  
2019-10

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**Protective clothing for firefighters —  
Physiological impact —**

Part 2:

**Determination of physiological heat  
load caused by protective clothing  
worn by firefighters**

**AMENDMENT 1**

*Vêtements de protection pour sapeurs-pompiers — Impact  
physiologique —*

*Partie 2: Détermination de la charge thermo physiologique provoquée  
par les vêtements de protection portés par les sapeurs-pompiers*

*AMENDEMENT 1*



Reference number  
ISO 18640-2:2018/Amd.1:2019(E)

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Published in Switzerland

## 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](http://www.iso.org/directives)).

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

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 [www.iso.org/members.html](http://www.iso.org/members.html).

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