

English Version

**Firefighting and rescue service vehicles and equipment -  
Graphical symbols for control elements and displays and for  
markings**

Véhicules et équipements des services de secours et de  
lutte contre l'incendie - Symboles graphiques pour les  
éléments de commande et afficheurs et pour le marquage

Feuerwehrfahrzeuge und -geräte - Graphische Symbole für  
Bedien- und Anzeigeelemente sowie für Kennzeichnungen

This Technical Specification (CEN/TS) was approved by CEN on 3 February 2015 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## Foreword

This document (CEN/TS 15989:2015) has been prepared by Technical Committee CEN/TC 192 "Fire and Rescue Service Equipment", the secretariat of which is held by BSI.

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

This document supersedes CEN/TS 15989:2010.

The significant changes with respect to the previous edition of CEN/TS 15989:2010 are listed below:

- a) general requirements, adaptation of symbols as digital display icons and application rules added;
- b) term and definition for graphical symbol added;
- c) clause with requirements for designation, illustration and size of symbols added;
- d) number of graphical symbols in Table 1 increased, some symbols revised in presentation and designation and partly harmonized with FAMA White paper, *Graphical Symbols for Automotive Fire Apparatus*;
- e) general (basic) symbols listed at first in Table 1, section no. 3.1 and section no. 3.2 and partly repeated in the specific sections of Table 1 to keep the coherence of this document;
- f) colouring of the symbol deleted in Table 1 and mentioned in new normative Annex A;
- g) recommendation on colouring of actuators and external connections added in new informative Annex B;
- h) normative references revised;
- i) bibliography added.

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

## 1 Scope

This Technical Specification is applicable to graphical symbols for control elements and displays and for markings for fire fighting and rescue service vehicles and equipment.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1147, *Portable ladders for fire service use*

EN 80416-1:2009, *Basic principles for graphical symbols for use on equipment — Part 1: Creation of graphical symbols for registration (IEC 80416-1:2008)*

EN ISO 7010, *Graphical symbols — Safety colours and safety signs — Registered safety signs (ISO 7010)*

ISO 7000, *Graphical symbols for use on equipment — Registered symbols*

ISO 20381, *Mobile elevating work platforms — Symbols for operator controls and other displays*

IEC 60417, *Graphical symbols for use on equipment*

IEC 60617, *Graphical symbols for diagrams*

FAMA White paper, *Graphical Symbols for Automotive Fire Apparatus*<sup>1)</sup>

## 3 Terms and definitions

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

**3.1**  
**graphical symbol**  
visually perceptible figure with a particular meaning used to transmit information independently of language

[SOURCE: EN 80416-1:2009, 3.4]

## 4 General

**4.1** New symbol ideas for graphical symbols for control elements and displays and for markings for fire fighting and rescue service vehicles and equipment should be forwarded to CEN/TC 192. The CEN/TC 192 Graphical symbols group will consider new symbols at each CEN technical committee meeting and add new symbols as appropriate.

**4.2** Graphical symbols for control elements and displays and for markings for fire fighting and rescue service vehicles and equipment should conform to the symbols as shown in this document. However, symbols which are shown in outline form may be filled in actual use for enhanced clarity of reproduction and improved visual perception by the operator, unless otherwise noted for individual symbols.

NOTE Guidelines for the application of graphical symbols are given in EN 80416-3.

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1) Published by Fire Apparatus Manufacturers' Association (FAMA), available at Fire Apparatus Manufacturers' Association (FAMA), 29 Stillman Road, Lynnfield MA, 01940, USA ([www.fama.org](http://www.fama.org)).