

SLOVENSKI STANDARD

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Gasilska in reševalna vozila - 1. del: Poimenovanje in označevanje

Fire fighting and rescue service vehicles - Part 1: Nomenclature and designation

Feuerwehrfahrzeuge - Teil 1: Nomenklatur und Bezeichnung

Véhicules des services de secours et de lutte contre l'incendie - Partie 1: Nomenclature et désignation

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Ta slovenski standard je istoveten z: **EN 1846-1:2011**

[SIST EN 1846-1:2011](#)

[http://www.sist.si/log/standard/sist-en-1846-1-2011/5441ccfe0960/sist-en-1846-1-2011](#)

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1846-1

April 2011

ICS 01.040.13; 13.220.10

Supersedes EN 1846-1:1998

English Version

Firefighting and rescue service vehicles - Nomenclature and designation

Véhicules des services de secours et de lutte contre l'incendie - Partie 1: Nomenclature et désignation

Feuerwehrfahrzeuge - Teil 1: Nomenklatur und Bezeichnung

This European Standard was approved by CEN on 17 March 2011.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a 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 European Standard 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.

CEN members are the national standards bodies of 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 1846-1:2011) has been prepared by Technical Committee CEN/TC 192 "Fire service equipment", the secretariat of which is held by BSI.

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 October 2011, and conflicting national standards shall be withdrawn at the latest by October 2011.

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 EN 1846-1:1998.

EN 1846 consists of the following parts, under the general title "Firefighting and rescue service vehicles":

- Part 1: Nomenclature and designation,
- Part 2: Common requirements — Safety and performance,
- Part 3: Permanently installed equipment — Safety and performance.

The significant changes with respect to the previous edition EN 1846-1:1998 are listed below:

- Clause 2, Normative references deleted (references moved to bibliography);
- Terms and Definitions: [SIST EN 1846-1:2011](https://standards.iteh.ai/catalog/standards/sist/acc839f8-5eb7-45c4-b0af-5441cfe0960/sist-en-1846-1-2011)
 - new presentation with two groups: General definitions and specific definitions;
 - definition of "motor appliance" and "trailer": new wording and no more reference to ISO 3833;
 - addition of specific definitions which correspond to the previous 6.1 to 6.9 with editorial modification;
- Mass classes:
 - lower and upper limits changed;
- Categories:
 - addition of 3 notes to give explanations;
- Vehicle designation:
 - Table 1 replaced by a list with mandatory elements and optional additional elements;
 - Examples modified according to the new designation;
- Addition of a bibliography.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This document has been prepared in order to define a common designation system of firefighting and rescue service vehicles.

It also identifies the main characteristics of any motor vehicle by a serial number and letter as defined in the following clauses which may be used in invitations to tender within Europe.

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1 Scope

This European Standard establishes classes and defines categories which are functions of the use and mass of the firefighting and rescue service vehicles and provides a designation system that gives the various criteria used for characterizing the vehicles.

2 Terms and definitions

2.1 General definitions

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

NOTE For the purposes of EN 1846 series, the following definitions apply. Other specific definitions exist in the other parts of EN 1846.

2.1.1

motor vehicle

power-driven road vehicle which has four or more wheels, which is not rail borne, and which is normally used for carrying persons and/or equipment, towing vehicles used for the carriage of persons and/or equipment, special service

2.1.2

appliance

covered motor vehicle designed for carrying personnel and equipment

2.1.3

fire appliance

appliance used for firefighting and/or rescue

2.1.4

trailer

non-power-driven road vehicle which, on account of its design and appointments is used to transport persons or equipment and is intended to be towed by a motor vehicle

NOTE This definition also includes semi-trailer.

2.1.5

amphibious motor vehicle

vehicle capable of moving on land and water

2.2 Specific definitions

2.2.1

pumping appliance

fire appliance equipped with a pump, and usually a water tank, and other equipment required for firefighting and rescue purposes

NOTE For firefighting pumps see EN 1028 series.

2.2.2

appliance for specific fire

fire appliance with special equipment with or without special extinguishing media

2.2.3

high rise aerial appliance

fire appliance incorporating a turntable ladder or hydraulic platform

EN 1846-1:2011 (E)**2.2.4****turntable ladder**

extending structure which is in the form of a ladder with or without a cage, slewed on the base

NOTE See EN 14043 and EN 14044.

2.2.5**hydraulic platform****HP**

elevating platform consisting of a work platform and a hydraulic extending structure, mounted on a base that is a self propelled chassis

NOTE See EN 1777.

2.2.6**rescue tender**

fire appliance equipped to undertake rescue operations

NOTE Examples of rescue operations: location and rescue of people, accident recovery, forcing entry, animal rescue.

2.2.7**fire service ambulance**

motor vehicle operated by fire service personnel and designed for the care and transport of patients

NOTE 1 See EN 1789.

NOTE 2 It may also include other facilities for the specific use of the fire service.

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2.2.8**damage control tender**

fire appliance with specialised equipment and specific personal protective equipment (PPE) operated in particular conditions for rescue and limit damage to the environment

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NOTE Example of use: pollution hazard, chemical hazard, radiological hazard, biological hazard, salvage.

2.2.9**command and control appliance**

fire appliance with communication and other equipment to command operations

2.2.10**personnel and equipment carrying vehicle**

fire appliance able to convey fire service personnel and their individual equipment

2.2.11**support vehicle**

fire appliance able to convey equipment or extinguishing media to reinforce an operationally engaged unit

2.2.12**other specialised motor vehicle**

fire appliance designed for special or specific task

3 Mass classes

All motor vehicles with gross laden mass (GLM as defined in 3.2 of EN 1846-2:2009) greater than 3 t are classified according to one of the following three classes depending on their GLM.

- Light (L) : $3 \text{ t} < \text{GLM} \leq 7,5 \text{ t}$,
- Medium (M) : $7,5 \text{ t} < \text{GLM} \leq 16 \text{ t}$,
- Super (S) : $\text{GLM} > 16 \text{ t}$.

4 Categories

All motor vehicles are classified according to one of the following three categories depending on their road or off road capabilities:

- category 1 : Urban

Motor vehicle normally used on constructed road surfaces.

NOTE 1 Commonly category 1 vehicles have one axle driven.

- category 2 : Rural

Motor vehicle capable of traversing all road and limited off road surfaces.

NOTE 2 A distinction can be made between vehicles which commonly have all axles driven:

- with limited off road capabilities, [SIST EN 1846-1:2011](https://standards.iteh.ai/catalog/standards/sist/acc839f8-5eb7-45c4-b0af-5441ccfe0960/sist-en-1846-1-2011)
- with more off road capabilities, usually achieved by the provision of e.g. differential locking and single tyres.

- category 3 : All terrain

Motor vehicle capable of traversing all road and cross-country.

NOTE 3 Commonly category 3 vehicles have all axles driven with differential locking and single tyres.

5 Types of vehicles

Depending on their main application, fire appliances are subdivided into the following types:

- firefighting and rescue appliance :
 - pumping appliance,
 - appliance for specific fire.
- high rise aerial appliance :
 - turntable ladder,
 - hydraulic platform.
- rescue tender,