



SLOVENSKI STANDARD
SIST EN 16942:2016

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Goriva - Identifikacija združljivosti vozil - Grafični prikaz informacij za potrošnika

Fuels - Identification of vehicle compatibility - Graphical expression for consumer information

Kraftstoffe - Identifizierung der Fahrzeug-Kompatibilität - Graphische Darstellung zur Verbraucherinformation

Carburants - Identification de la compatibilité des véhicules - Expression graphique pour l'information des consommateurs

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Fuels - Identification of vehicle compatibility - Graphical expression for consumer information

Carburants - Identification de la compatibilité des véhicules - Expression graphique pour l'information des consommateurs

Kraftstoffe - Identifizierung der Fahrzeug-Kompatibilität - Graphische Darstellung zur Verbraucherinformation

This European Standard was approved by CEN on 26 August 2016.

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European foreword

This document (EN 16942:2016) has been prepared by Technical Committee CEN/TC 441 “Fuel labelling”, the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by April 2017, and conflicting national standards shall be withdrawn at the latest by April 2017.

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 supports the implementation of European Directive 2014/94/EU [1]. This document has been developed on the basis of instructions of the European Commission via letters to CEN and CENELEC.

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, 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.

Introduction

In accordance with Article 7, of the Directive 2014/94/EU [1] the EU Member States have to bring into force by 18 November 2016 the laws, regulations and administrative provisions necessary in order to ensure that user information on the compatibility of their vehicles with the fuels or electricity recharging points is provided in motor vehicle manuals, at refuelling and recharging points, as well as on motor vehicles and in motor vehicle dealerships in their territory.

As specified in the Article, this information has to be based on labelling provisions of ISO¹⁾ standards setting technical specifications of fuels. However, none of the labelling provisions of the existing European Standards for fuel quality (such as EN 228 [2] for petrol and EN 590 [3] for diesel fuel) includes a graphical expression that meets the requirements of the Directive.

In a letter to CEN of 26 August 2015, the European Commission requested the work of CEN/TC 441 to aim at development and adoption of appropriate European Standard(-s) setting harmonized compatibility labelling specifications for individual fuels placed on the market. These provisions should include a graphical expression, including a colour coding scheme. The graphical expression should also be in line with the following requirements of Article 7 of Directive 2014/94/EU:

- a) to provide relevant, consistent and clear information as regards to those motor vehicles which can be regularly fuelled with compatible fuels placed on the market,
- b) to be simple and easy to understand;
- c) to be able to be placed in a clearly visible manner:
 - 1) on corresponding fuel pumps and their nozzles at refuelling points,
 - 2) on or in the immediate proximity of fuel tanks' filler caps for vehicles, recommended and compatible with that fuel and in motor vehicle manuals.

CEN decided that it would develop a single standard laying down the systematics of the graphical expression for the identification of fuel-vehicle compatibility that would cover a multitude of (existing and future) market fuels. This would allow industry and governments to use this document as basis for implementation of Directive 2014/94/EU. Also existing and future European Standards that need to set requirements regarding labelling can refer to this Standard.

The development of this standard focused on vehicles placed on the market for the first time, which does not preclude the application of this standard also to vehicles already in circulation.

This document is not intended to replace any existing quality, safety or performance recommendations, marketing or branding communication currently featured in similar locations at re-fuelling points, vehicle fuel caps or vehicle manuals.

1) European Standardization Organization.

1 Scope

This European Standard lays down harmonized identifiers for marketed liquid and gaseous fuels. The requirements in this standard are to complement the informational needs of users regarding the compatibility between the fuels and the vehicles that are placed on the market. The identifier is intended to be visualized at dispensers and refuelling points, on vehicles, in motor vehicle dealerships and in consumer manuals as described in this document.

Marketed fuels include for example petroleum-derived fuels, synthetic fuels, biofuels, natural gas, liquefied petroleum gas, hydrogen and biogas and blends of the aforementioned delivered to mobile applications.

2 Terms and definitions

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

2.1

compatibility

fuel/vehicle compatibility

possibility of the fuel to be regularly used in a vehicle without adverse effects on the performance characteristics of the vehicle as declared by the vehicle manufacturer

Note 1 to entry: Usually, it is the components of the vehicle that are exposed to the fuel or the exhaust gases that may show compatibility issues.

2.2

nozzle

mechanical system, fitted to the hose of the dispensing system, consisting of a filling nozzle body

Note 1 to entry: This definition is derived from EN 14678-3:2013, 3.8 [4].

2.3

filler cap

sealing mechanism of the fuel filling point on a vehicle

2.4

filler flap

area of vehicle bodywork that covers a filler cap and opens to provide access to the filler cap or provide a fuel sealing mechanism for cap-less systems

2.5

identifier

graphical expression of compatibility consisting of shape and symbol

2.6

symbol

expression by a combination of letters, numbers or pictorials

2.7

vehicle

motor vehicle

transport modality that can be fuelled with a marketed fuel at a refuelling point

Note 1 to entry: Vessels are included herein, in line with [1].

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2.8

dispenser

fuel pump

equipment through which a fuel is supplied to a transport modality

2.9

refuelling point

facility for the provision of any fuel through one or more dispensers

Note 1 to entry: In practice, terms like service station or filling station are also used.

3 Principle

The identifier laid down in this European Standard consists of a simple shape and symbol that is used to assist consumers in identifying the compatibility of the fuel supplied at a refuelling point. It complements European Standards for setting technical specifications of fuels and also for installation and commissioning of refuelling points.

This European Standard defines for each harmonized labelling identifier the size, shape, colour and other information of relevance for compatibility recognition, as well as the location of placement on the refuelling points and near the vehicle fuel tank.

The labelling provisions, including those on the graphical expression are designed in such a way that they can be adapted to fuels offered on the market for which currently no European Standard for setting technical specifications of fuels exists.

This European Standard provides harmonized compatibility labelling across Europe and thus effectively support the implementation of Article 7 of Directive 2014/94/EU [1] by the EU Member States. The European Standard complements the informational needs of a vehicle user arriving at a refuelling point as regards to the compatibility between a fuel and motor vehicle engine so that consumer can easily distinguish amongst fuel types and grades (e.g. petrol, diesel, LPG, natural gas, etc.) and the compatibility of those fuels with their vehicle's engine.

Annex A provides examples of each of the identifiers defined in this European Standard.

4 General identifier requirements

4.1 Colour scheme

The identifier shall be executed in black with a white or silver internal background.

NOTE Silver labels or plates are common identification spots, for instance in cars and on motor cycles.

4.2 Discrimination of fuel types

In the identifier a shape is used to discriminate three different base fuel types:

- a) petrol-type fuels,
- b) diesel-type fuels, and
- c) gaseous type fuels.