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Part 4: Propulsion energy identification

Véhicules routiers — Information pour les premier et second intervenants —

Partie 4: Identification de l'énergie de propulsion

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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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 World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 36, *Safety and impact testing*.

A list of all parts in the ISO 17840 series can be found on the ISO website.

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Introduction

The time from the moment of the accident until the person is treated in the hospital is often referred to as the “golden hour”. Longer time directly affects the chances of recovery for the accident victims.

In a road vehicle accident, a quick and correct identification of the propulsion fuel and/or propulsion energy by the rescue team promotes the correct action with respect to the vehicle technology concerned.

This document provides a uniform scheme for identification of the fuel and/or energy used for the propulsion of a road vehicle. It also provides a way to communicate the related hazards to the first responders.

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Road vehicles — Information for first and second responders —

Part 4: Propulsion energy identification

1 Scope

This document defines the labels and related colours for indication of the fuel and/or energy used for propulsion of a road vehicle, especially for the case of new vehicle technology and/or power sources, including hybrid drive lines.

The communication of propulsion energy and related hazards is made in a logical and modular way to facilitate the understanding.

This document is applicable to passenger cars, buses, coaches, light and heavy commercial vehicles according to ISO 3833.

This document does not cover fuels being part of truck cargo.

The usage of the label includes, but is not limited to, the rescue sheet (ISO 17840-1 and ISO 17840-2[1)]) and the emergency response guide (ISO 17840-3[2)]).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 17840-1, *Road vehicles — Information for first and second responders — Part 1: Rescue sheet for passenger cars and light commercial vehicles*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 17840-1 apply.

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

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

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

4 Layout and contents of a propulsion fuel/energy identification label

4.1 Label shape and appearance

The label shall be diamond shaped with defined zones according to Figure 1. The width of label should be approximately 1,4 times the height. Corners may be either pointed or rounded.

1) Under preparation. Stage at time of publication: ISO/DIS 17840-2.

2) Under preparation. Stage at time of publication: ISO/DIS 17840-3.

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