SLOVENSKI STANDARD

SIST EN ISO 15008:2017

01-oktober-2017

Nadomešča:

SIST EN ISO 15008:2009

Cestna vozila - Ergonomski vidiki transportnih informacij in kontrolnih sistemov - Specifikacije in postopki preskušanja vizualne predstavitve v vozilu (ISO 15008:2017)

Road vehicles - Ergonomic aspects of transport information and control systems - Specifications and test procedures for in-vehicle visual presentation (ISO 15008:2017)

Straßenfahrzeuge - Ergonomische Aspekte von Fahrerinformations- und Assistenzsystemen - Anforderungen und Bewertungsmethoden der visuellen Informationsdarstellung im Fahrzeug (ISO 15008:2017)

Véhicules routiers - Aspects ergonomiques des systèmes de commande et d'information des transports - Spécifications et modes opératoires pour la présentation visuelle à bord du véhicule (ISO 15008:2017)

Ta slovenski standard je istoveten z: **EN ISO 15008:2017**

ICS:

13.180	Ergonomija	Ergonomics
43.040.15	Avtomobilska informatika. Vgrajeni računalniški sistemi	Car informatics. On board computer systems

SIST EN ISO 15008:2017 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 15008

March 2017

ICS 13.180; 43.040.15

Supersedes EN ISO 15008:2009

English Version

Road vehicles - Ergonomic aspects of transport information and control systems - Specifications and test procedures for in-vehicle visual presentation (ISO 15008:2017)

Véhicules routiers - Aspects ergonomiques des systèmes de commande et d'information des transports - Spécifications et modes opératoires pour la présentation visuelle à bord du véhicule (ISO 15008:2017)

Straßenfahrzeuge - Ergonomische Aspekte von Fahrerinformations- und Assistenzsystemen - Anforderungen und Bewertungsmethoden der visuellen Informationsdarstellung im Fahrzeug (ISO 15008:2017)

This European Standard was approved by CEN on 25 February 2017.

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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.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN ISO 15008:2017) has been prepared by Technical Committee ISO/TC 22 “Road vehicles” in collaboration with Technical Committee CEN/TC 278 “Intelligent transport systems” 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 September 2017, and conflicting national standards shall be withdrawn at the latest by September 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.

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Endorsement notice

The text of ISO 15008:2017 has been approved by CEN as EN ISO 15008:2017 without any modification.

INTERNATIONAL STANDARD

ISO 15008

Third edition
2017-02

Road vehicles — Ergonomic aspects of transport information and control systems — Specifications and test procedures for in-vehicle visual presentation

Véhicules routiers — Aspects ergonomiques des systèmes de commande et d'information des transports — Spécifications et modes opératoires pour la présentation visuelle à bord du véhicule

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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).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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.

The committee responsible for this document is ISO/TC 22, *Road vehicles*, Subcommittee SC 39, *Ergonomics*.

This third edition cancels and replaces the second edition (ISO 15008:2009), which has been technically revised with the following changes:

— Introduction was modified;

— Scope was modified (heavy vehicles partly excluded);

— test conditions for direct sunlight have been changed;

— character height was modified;

— character proportion was modified;

— character weight criterion was modified;

— intercharacter spacing was modified;

— word spacing was modified;

— a new subclause on text case was added;

— the subclause on character outlines was modified;

— a new subclause on character shadows was added;

— the subclause on Non-Roman text was modified and renamed Non-Latin.

Introduction

Driving is a complex task requiring continuous allocation of attentional resources to both driving and non-driving tasks. Because of this, driving is an interactive balance between cognitive, physical, somatosensory, visual and psychomotor skills.

Driver and vehicle form an integrated system that includes the environment, vehicle controls, and displays collectively defined as the transport information and control systems (TICS). Since driving is an interactive systems activity, vehicle characteristics in combination with human capabilities constitute important factors in the performance of this TIC system.

In order to achieve optimal driver performance, the purpose of TICS is to support drivers in their primary task such that performance, comfort and safety are increased and overall driver workload is not negatively influenced by the use of TICS. One set of factors influencing this process involves the characteristics of visual displays. Specifically, those aspects of displays designed to accommodate human capabilities, the range of illumination conditions and location of the display with respect to the driver. This is especially important since visual specifications must include a wide range of environmental conditions and constitute only one necessary condition for adequate performance, comfort and workload. The purpose of this document is to standardize visual presentation.