



BSI Standards Publication

Car multimedia systems and equipment - Drive monitoring system

Part 3: Measurement methods

This is a preview of "BS EN IEC 63033-3:20...". [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN IEC 63033-3:2019. It is identical to IEC 63033-3:2019.

The UK participation in its preparation was entrusted to Technical Committee EPL/100, Audio-visual equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Amendments/corrigenda issued since publication

Date	Text affected
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EUROPÄISCHE NORM

November 2019

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English Version

Car multimedia systems and equipment - Drive monitoring system - Part 3: Measurement methods (IEC 63033-3:2019)

Systèmes et équipements multimédias pour automobiles -
Système de surveillance de la conduite Partie 3: Méthodes
de mesure
(IEC 63033-3:2019)

To be completed
(IEC 63033-3:2019)

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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 CENELEC member.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of document 100/3147/CDV, future edition 1 of IEC 63033-3, prepared by IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63033-3:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-07-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-10-18

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

Endorsement notice

The text of the International Standard IEC 63033-3:2019 was approved by CENELEC as a European Standard without any modification.

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(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 16505	2019	Road vehicles - Ergonomic and performance aspects of Camera Monitor Systems - Requirements and test procedures	-	-
IEC/TS 63033-1	2017	Car multimedia systems and equipment - Drive monitoring system - Part 1: General	-	-
UN Regulation No. 46		Uniform provisions concerning the approval of devices for indirect vision and of motor vehicles with regards to the installation of these devices	-	-
UN Regulation No. 125		Uniform provisions concerning the approval of motor vehicles with regards to the forward field of vision of the motor vehicle driver	-	-

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CAR MULTIMEDIA SYSTEMS AND EQUIPMENT – DRIVE MONITORING SYSTEM

Part 3: Measurement methods

FOREWORD

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International Standard IEC 63033-2 has been prepared by technical area 17: Multimedia systems and equipment for cars of IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this International Standard is based on the following documents:

CDV	Report on voting
100/3147/CDV	100/3258/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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A list of all parts in the IEC 63033 series, published under the general title *Car multimedia systems and equipment – Drive monitoring system*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

This document specifies measurement methods for the drive monitoring system that is specified in IEC TS 63033-1:2017. IEC TS 63033-1:2017 specifies the model for generating the surrounding visual image of a drive monitoring system. The system allows drivers to monitor the car's perimeter in real time by using "free eye point" technology, which allows drivers to dynamically change the viewing perspective to obtain the most appropriate views according to the driving situation.

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CAR MULTIMEDIA SYSTEMS AND EQUIPMENT – DRIVE MONITORING SYSTEM

Part 3: Measurement methods

1 Scope

This document specifies measurement methods for the drive monitoring system that is specified in IEC TS 63033-1:2017.

2 Normative references

The following documents are referred to in the text in such a way that any 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.

IEC TS 63033-1:2017, *Car multimedia system and equipment – Drive monitoring system – Part 1: General*

ISO 16505:2019, *Road vehicles – Ergonomic and performance aspects of Camera Monitor Systems – Requirements and test procedures*

UN Regulation No. 46, *Uniform provisions concerning the approval of devices for indirect vision and of motor vehicles with regards to the installation of these devices*

UN Regulation No. 125, *Uniform provisions concerning the approval of motor vehicles with regards to the forward field of vision of the motor vehicle driver*

3 Terms, definitions and abbreviated terms

3.1 Terms and definitions

No terms and definitions are listed in this document.

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

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.2 Abbreviated terms

FOV field of view

4 System model

The system model of the drive monitoring system is described in Figure 1. A drive monitoring system shall generate multiple camera composite images and/or single camera images, using cameras that are mounted on the outside the car. The views to be generated by this system shall capture the fields of view specified in Clause 7. This system shall generate multiple views according to the fields of view to be secured. For measurement methods, the system shall refer to ISO 16505 and UN Regulation No. 46. However, the system does not need to fully comply with ISO 16505 and UN Regulation No. 46.