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Irish Standard
I.S. EN IEC 63033-2:2019

Car multimedia systems and equipment - Drive monitoring system Part 2: Recording methods of the drive monitoring system

I.S. EN IEC 63033-2:2019

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National Foreword

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 63033-2

February 2019

ICS 33.160; 43.040.15

English Version

Car multimedia systems and equipment - Drive monitoring system Part 2: Recording methods of the drive monitoring system
(IEC 63033-2:2018)

Systèmes et équipements multimédias pour automobiles -
Système de surveillance de la conduite Partie 2: Méthodes
d'enregistrement du système de surveillance de la conduite
(IEC 63033-2:2018)

Multimediasysteme und -geräte in Fahrzeugen -
Fahrüberwachungssystem - Teil 2: Aufzeichnungsverfahren
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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

Ref. No. EN IEC 63033-2:2019 E

EN IEC 63033-2:2019 (E)

European foreword

The text of document 100/3029/CDV, future edition 1 of IEC 63033-2, 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 63033-2:2019.

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)   2019-10-02

- latest date by which the national standards conflicting with the document have to be withdrawn   (dow)   2022-01-02

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Annex ZA
(normative)

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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.

Publication	Year	Title	EN/HD	Year
IEC/TS 63033-1	2017	Car multimedia system and equipment - Drive monitoring system - Part1: General	-	-

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IEC 63033-2

Edition 1.0   2018-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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Car multimedia systems and equipment – Drive monitoring system
Part 2: Recording methods of the drive monitoring system

Systèmes et équipements multimédias pour automobiles – Système de surveillance de la conduite
Partie 2: Méthodes d'enregistrement du système de surveillance de la conduite

IEC 63033-2:2018-11 (en-fr)

I.S. EN IEC 63033-2:2019

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Car multimedia systems and equipment – Drive monitoring system
Part 2: Recording methods of the drive monitoring system

Systèmes et équipements multimédias pour automobiles – Système de
surveillance de la conduite
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CAR MULTIMEDIA SYSTEMS AND EQUIPMENT – DRIVE MONITORING SYSTEM

Part 2: Recording methods of the drive monitoring system

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.

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International Standard IEC 63033-2 has been prepared by 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
100/3029/CDV	100/3134/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

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INTRODUCTION

This document specifies recording methods of the drive monitoring system that is specified in IEC TS 63033-1, which also specifies the model for generating the surrounding visual image of the 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, offering the most appropriate views according to the driving situation.

IEC 63033-2 specifies recording methods of the drive monitoring system in order to view the recorded video file with "free eye point" technology.

CAR MULTIMEDIA SYSTEMS AND EQUIPMENT – DRIVE MONITORING SYSTEM

Part 2: Recording methods of the drive monitoring system

1 Scope

This part of IEC 63033 specifies recording methods of the drive monitoring system that is specified in IEC TS 63033-1 in order to view the recorded video file with free eye point technology.

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.

IEC TS 63033-1:2017, *Car multimedia system and equipment – Drive monitoring system – Part1: General*

3 Terms, definitions and abbreviated terms

3.1 General

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/
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3.2 Abbreviated terms

GNSS   global navigation satellite system

SIM   stream information and metadata

4 System model

4.1 General

IEC 63033-2 specifies recording methods of the drive monitoring system. Specifically, the recording from a vehicle-mounted camera as obtained by the drive monitoring system, and also a model for the replay of the recorded video. The purpose of the replay of the recorded video can be considered in various ways, such as verification at the occurrence of an accident, as legal proof, for reviewing driving behaviour and use at educational sites.

There are two types of recorded videos: recording of each camera image (referred to as "recording 1"), and recording of the composite image (referred to as "recording 2"). For replay of the recorded videos, the related metadata (refer to 4.2.2.3 and 4.2.3.3) is simultaneously saved in recording 1 and recording 2. These recorded files are transferred by the portable recording medium or via a network, where they can be later replayed by the user. The user

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