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Digital addressable lighting interface - Part 103: General requirements - Control devices

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NATIONAL FOREWORD

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See Eesti standard EVS-EN 62386-103:2015 sisaldab Euroopa standardi EN 62386-103:2014 ingliskeelset teksti.	This Estonian standard EVS-EN 62386-103:2015 consists of the English text of the European standard EN 62386-103:2014.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 19.12.2014.	Date of Availability of the European standard is 19.12.2014.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 29.140.50, 29.140.99

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62386-103

December 2014

ICS 29.140; 29.140.50

English Version

Digital addressable lighting interface - Part 103: General requirements - Control devices (IEC 62386-103:2014)

Interface d'éclairage adressable numérique - Partie 103: Exigences générales - Dispositifs de commande (CEI 62386-103:2014)

Digital adressierbare Schnittstelle für die Beleuchtung - Teil 103: Allgemeine Anforderungen - Steuergeräte (IEC 62386-103:2014)

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Foreword

The text of document 34C/1100/FDIS, future edition 1 of IEC 62386-103, prepared by SC 34C "Auxiliaries for lamps" of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62386-103:2014.

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)	2015-09-12
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2017-12-12

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

CISPR 15	NOTE	Harmonized as EN 55015.
IEC 60598-1	NOTE	Harmonized as EN 60598-1.
IEC 60669-2-1	NOTE	Harmonized as EN 60669-2-1.
IEC 60921	NOTE	Harmonized as EN 60921.
IEC 60923	NOTE	Harmonized as EN 60923.
IEC 60929	NOTE	Harmonized as EN 60929.
IEC 61347-1	NOTE	Harmonized as EN 61347-1.
IEC 61347-2-3	NOTE	Harmonized as EN 61347-2-3.
IEC 61547	NOTE	Harmonized as EN 61547.
IEC 62034	NOTE	Harmonized as EN 62034.

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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 62386-101	2014	Digital addressable lighting interface - Part 101: General requirements - System Components	EN 62386-101	2014
IEC 62386-102	2014	Digital addressable lighting interface - Part 102: General requirements - Control gear	EN 62386-102	2014

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INTRODUCTION

IEC 62386 contains several parts, referred to as series. The 1xx series includes the basic specifications. Part 101 contains general requirements for system components, Part 102 extends this information with general requirements for control gear and Part 103 extends it further with general requirements for control devices.

The 2xx parts extend the general requirements for control gear with lamp specific extensions (mainly for backward compatibility with Edition 1 of IEC 62386) and with control gear specific features.

The 3xx parts extend the general requirements for control devices with input device specific extensions describing the instance types as well as some common features that can be combined with multiple instance types.

This first edition of IEC 62386-103 is published in conjunction with IEC 62386-101:2014, IEC 62386-102:2014 and with the various parts that make up the IEC 62386-2xx series for control gear, together with the various parts that make up the IEC 62386-3xx series of particular requirements for control devices. The division into separately published parts provides for ease of future amendments and revisions. Additional requirements will be added as and when a need for them is recognised.

The setup of the standard is graphically represented in **Error! Reference source not found.** below

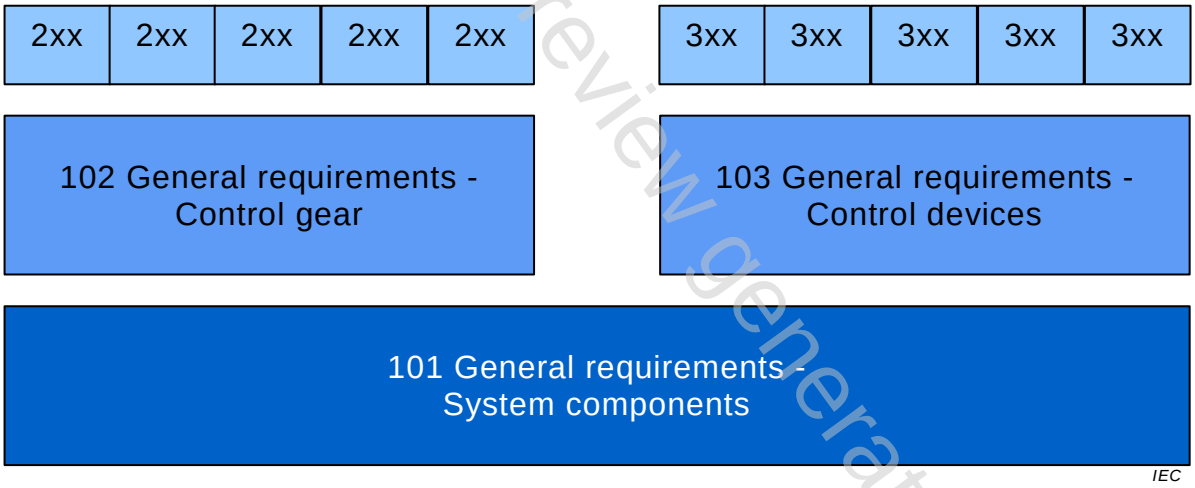

Figure 1 - IEC 62386 graphical overview

When this part of IEC 62386 refers to any of the clauses of the other two parts of the IEC 62386-1xx series, the extent to which such a clause is applicable and the order in which the tests are to be performed are specified. The other parts also include additional requirements, as necessary.

All numbers used in this International Standard are decimal numbers unless otherwise noted.

Hexadecimal numbers are given in the format 0xVV, where VV is the value. Binary numbers are given in the format XXXXXXXXb or in the format XXXX XXXX, w here X is 0 or 1, "x" in binary numbers means "don't care".

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The following typographic expressions are used:

Variables: *variableName* or *variableName[3:0]*, giving only bits 3 to 0 of *variableName*.

Range of values: [lowest, highest]

Command: “COMMAND NAME”

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