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Standards

Irish Standard
I.S. EN 62943:2017

Visible light beacon system for multimedia applications

I.S. EN 62943:2017

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National Foreword

I.S. EN 62943:2017 is the adopted Irish version of the European Document EN 62943:2017, Visible light beacon system for multimedia applications

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EUROPEAN STANDARD

EN 62943

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2017

ICS 33.160.60; 35.100.10

English Version

**Visible light beacon system for multimedia applications
(IEC 62943:2017)**

Système de balise de lumière visible pour applications
multimédias
(IEC 62943:2017)

Signalsystem mit sichtbarem Licht für Multimedia-
Anwendungen
(IEC 62943:2017)

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Europäisches Komitee für Elektrotechnische Normung

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

EN 62943:2017

European foreword

The text of document 100/2850/FDIS, future edition 1 of IEC 62943, 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 62943:2017.

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) 2018-01-11
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IEC 62471 NOTE Harmonized as EN 62471.



IEC 62943

Edition 1.0 2017-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Visible light beacon system for multimedia applications

Systeme de balise de lumière visible pour applications multimédias





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IEC 62943

Edition 1.0 2017-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Visible light beacon system for multimedia applications

Système de balise de lumière visible pour applications multimédias

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 33.160.60; 35.100.10

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

VISIBLE LIGHT BEACON SYSTEM FOR MULTIMEDIA APPLICATIONS

FOREWORD

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International Standard IEC 62943 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this standard is based on the following documents:

FDIS	Report on voting
100/2850/FDIS	100/2857/RVD

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

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

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VISIBLE LIGHT BEACON SYSTEM FOR MULTIMEDIA APPLICATIONS

1 Scope

This International Standard aims at establishing a unified standard concerning the lower communication layer common to multimedia applications, and does not deal with the upper communication layer which depends upon individual applications.

This document specifies a unidirectional visible light communication protocol using visible light, named "visible light beacon system for multimedia applications". This document does not specify the type of receivers. Dimming can be done by such methods as pulse width control or amplitude control, but the dimming is out of the scope of this document.

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.

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3.1

visible light beacon transmitter

transmitter utilizing visible light beacon of visible light transmission standard

3.2

visible light beacon receiver

receiver utilizing visible light beacon of visible light transmission standard

3.3

visible light beacon system

unidirectional beacon system utilizing visible light as its carrier

3.4

ID resolution

resolution of information related to the ID

3.5

ID resolution server

server capable of ID resolution from inquired ID

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