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NSAI Standards

Irish Standard
I.S. EN 62943:2017

Visible light beacon system for multimedia applications

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This document is based on:	*Published:*
EN 62943:2017	2017-06-23

This document was published under the authority of the NSAI and comes into effect on:	ICS number:
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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62943

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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Edition 1.0 2017-03

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Visible light beacon system for multimedia applications

Système de balise de lumière visible pour applications multimédias

IEC 62943:2017-03(en-fr)

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IEC 62943

Edition 1.0 2017-03

INTERNATIONAL STANDARD

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colour inside

Visible light beacon system for multimedia applications

Système de balise de lumière visible pour applications multimédias

INTERNATIONAL
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ICS 33.160.60; 35.100.10

ISBN 978-2-8322-4016-8

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

VISIBLE LIGHT BEACON SYSTEM FOR MULTIMEDIA APPLICATIONS

FOREWORD

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

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

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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.

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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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