

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Visible light beacon system for multimedia applications

Système de balise de lumière visible pour applications multimédias



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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 33.160.60; 35.100.10

ISBN 978-2-8322-4016-8

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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

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.

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

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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.

There are no normative references in this document.

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

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