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**NATIONAL STANDARD OF THE
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Emergency lighting

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1. Structure and Drafting Rules of Standardization Documents"

Drafting.

This document is equivalent to ISO 30061.2007 "Emergency Lighting".

This document has made the following minimal editorial changes.

---Change the introduction of ISO 30061.2007 from Chapter 1 of the main text to the introduction of this document, and adjust the serial number of the main text clauses accordingly, that is, the original

"2 Scope" is changed to "1 Scope", the original "3 Normative Reference Documents" is changed to "2 Normative Reference Documents", and so on;

---Added prompts for the emergency lighting classification diagram (Figure 1) in Chapter 3;

---Footnotes added in 9.1;

---Change "12 Appendix (Informative) References" of ISO 30061.2007 to "References".

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

Introduction

The primary purpose of emergency lighting is to provide relief in clear (smoke-free) and smoky conditions when normal power/lighting fails

Visual conditions that panic and promote safer evacuation of people within a building.

The design of the emergency lighting solution is based on the worst conditions of the lamp

during its service life (such as minimum light output, maximum glare limit), and only based on

Due to the direct light coming from the luminaire, the contribution of mutual reflections from the room surfaces is negligible. However, indirect luminaires or uplights (in continuous/combined

mode), the fixture works together with the reflective surface, and the first reflection is treated as direct light to the system, and subsequent reflected light is ignored.

The requirements given in this document are minimum required values for design purposes and are for the full rated duration and design of the equipment.

Calculated at the end of life. This document also has a dedicated chapter on smoke.

Emergency lighting

1 Scope

This document specifies the lighting requirements for the installation of emergency lighting systems in premises or locations where emergency lighting systems are required.

This document applies to locations accessible to the public or staff.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations

For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to

this document.

ISO 3864-1 Graphical symbols safety colors and safety markings Part 1.Design principles for safety signs and safety markings

safetymarkings)

Note. GB/T 2893.1-2013 Graphical symbols safety colors and safety signs Part 1.Design principles for safety signs and safety markings (ISO 3864-1.

2011,MOD)

ISO 7010 Graphical symbols safety colors and safety signs registered safety signs (Graphicsymbols-Safetycolours

Note. GB/T 31523.1-2015 Safety information identification system Part 1.Marking (ISO 7010.2011, MOD)

IEC 60598-2-22 Luminaires-Part 2-22.Special requirements for emergency lighting fixtures
(Luminaires-Part 2-22.Particular

3 Terms and definitions

The following terms and definitions apply to this document.

The classification of emergency lighting is shown in Figure 1.

Figure 1 Emergency lighting classification

3.1

Illumination used when normal lighting power fails.

[Source. GB/T 2900.65-2004, 845-09-10, with modifications]