

STN	Hustota bleskov založená na systémoch lokalizácie bleskov (LLS). Všeobecné princípy.	STN EN 62858 34 1390
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Lightning density based on lightning location systems (LLS) - General principles

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/16

Obsahuje: EN 62858:2015, IEC 62858:2015

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EUROPEAN STANDARD

EN 62858

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2015

ICS 91.120.40; 29.020

English Version

**Lightning density based on lightning location systems (LLS) -
General principles
(IEC 62858:2015)**

Densité de foudroiement basée sur des systèmes de
localisation de la foudre (LLS) - Principes généraux
(IEC 62858:2015)

Blitzhäufigkeit basierend auf Blitzortungssystemen -
Allgemeine Grundsätze
(IEC 62858:2015)

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European foreword

The text of document 81/470/FDIS, future edition 1 of IEC 62858, prepared by IEC/TC 81, "Lightning protection", was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62858:2015.

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- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-06-09
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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62305-1	-	Protection against lightning -- Part 1: General principles	EN 62305-1	-
IEC 62305-2	-	Protection against lightning -- Part 2: Risk management	EN 62305-2	-



INTERNATIONAL STANDARD

NORME INTERNATIONALE

Lightning density based on lightning location systems (LLS) – General principles

Densité de foudroiement basée sur des systèmes de localisation de la foudre (LLS) – Principes généraux





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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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Densité de foudroiement basée sur des systèmes de localisation de la foudre (LLS) – Principes généraux

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**LIGHTNING DENSITY BASED ON LIGHTNING LOCATION SYSTEMS (LLS) –
GENERAL PRINCIPLES**

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International Standard IEC 62858 has been prepared by IEC technical committee 81: Lightning protection.

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

FDIS	Report on voting
81/470/FDIS	81/494/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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

International standards for lightning protection (e.g. IEC 62305-2) provide methods for the evaluation of the lightning risk on buildings and structures.

The lightning ground flash density N_G , defined as the mean number of lightning flashes to ground per square kilometer per year is the primary input parameter to perform such an evaluation.

In many areas of the world N_G is derived from data provided by lightning location systems (LLS), but no common rule exists defining requirements either for their performance or for the elaboration of the measured data.

LIGHTNING DENSITY BASED ON LIGHTNING LOCATION SYSTEMS (LLS) – GENERAL PRINCIPLES

1 Scope

This International Standard introduces and discusses all necessary measures to make reliable and homogeneous the values of N_G obtained from LLS in various countries. Only parameters that are relevant to risk assessment are considered.

2 Normative references

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.

IEC 62305-1, *Protection against lightning – Part 1: General principles*

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