SLOVENSKI STANDARD
SIST EN IEC 62858:2020

01-januar-2020

Nadomešča:
SIST EN 62858:2016

Pogostost strele na osnovi sistemov za lokacijo strel (LLS) - Splošna načela

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

Blitzhäufigkeit basierend auf Blitzortungssystemen - Allgemeine Grundsätze

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

Ta slovenski standard je istoveten z: **EN IEC 62858:2019**

ICS:

91.120.40 Zaščita pred strelo Lightning protection

SIST EN IEC 62858:2020 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 62858

November 2019

ICS 91.120.40; 29.020

Supersedes EN 62858:2015 and all of its amendments and corrigenda (if any)

English Version

Lightning density based on lightning location systems (LLS) - General principles (IEC 62858:2019)

Densité de foudroiement basée sur des systèmes de localisation de la foudre (LLS) - Principes généraux (IEC 62858:2019)

Blitzhäufigkeit basierend auf Blitzortungssystemen - Allgemeine Grundsätze (IEC 62858:2019)

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 62858:2019 E

European foreword

The text of document 81/627A/FDIS, future edition 2 of IEC 62858, prepared by IEC/TC 81 "Lightning protection" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62858:2019.

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)	2020-08-13
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2022-11-13

This document supersedes EN 62858:2015 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 62858:2019 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
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	-

IEC 62858

Edition 2.0 2019-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

Lightning density based on lightning location systems – General principles

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

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

ICS 29.020; 91.120.40

ISBN 978-2-8322-7457-6

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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LIGHTNING DENSITY BASED ON LIGHTNING LOCATION SYSTEMS – GENERAL PRINCIPLES

FOREWORD

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

This second edition cancels and replaces the first edition published in 2015. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

Two informative annexes are introduced dealing with the determination of lightning density for risk calculation (Annex A) and ground strike point calculation methods (Annex B).

The text of this International Standard is based on the following documents:

FDIS	Report on voting
81/627A/FDIS	81/634/RVD

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

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

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

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

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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 flashes per square kilometre per year, and the ground strike point density N_{SG}, defined as the mean number of ground strike points per square kilometre per year are the primary input parameters to perform such an evaluation (see Annex A).

In many areas of the world data for risk evaluation are provided by lightning location systems (LLSs), but no common rule exists defining requirements either for their performance or for the elaboration of the measured data.