BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

LIGHTNING PROTECTION SYSTEM COMPONENTS (LPSC) – Part 2: Requirements for conductors and earth electrodes

(ICS 29.020; 91.120.40)

Electrical Installation Sectional Committee, ETD 20

Last date for Comments – 26/02/2024

FOREWORD

(Formal clauses will be added later)

This draft standard which is identical with IEC 62561-2-2018 'Lightning protection system components (LPSC) – Part 2: Requirements for conductors and earth electrodes' issued by the International Electrotechnical Commission (IEC) is proposed to be adopted by the Bureau of Indian Standards on the recommendation of the Electrical Installation Sectional Committee and approval of the Electrotechnical Division Council.

The text of the IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appears referring to this standard, they should be read as 'Indian Standard'.
b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
IEC 62305-3, Protection against lightning – Part 3: Physical damage to structures and life hazard	IS/IEC 62305-3 : 2010 Protection Against Lightning Part 3 Physical Damage to Structures and Life Hazard	Identical with IEC 62305- 3 : 2010

IEC 62305-4, Protection against lightning – Part 4: Electrical and electronic systems within structures	IS/IEC 62305-4 : 2010 Protection Against Lightning Part 4 Electrical and Electronic Systems Within Stuctures	Identical with IEC 62305 – 4 : 2010
ISO 6892-1, Metallic materials – Tensile testing – Part 1: Method of test at room temperature	IS 1608 (Part 1) : 2022 Metallic materials - Tensile testing - Part 1 : Method of test at room temperature	Identical with ISO 6892-1 : 2019
ISO 6957:1988, Copper alloys – Ammonia test for stress corrosion resistance	IS 16872 : 2019 Copper Alloys - Ammonia Test for Stress Corrosion Resistance	Identical with ISO 6957:1988

In this adopted standard, reference appears to International Standards for which Indian Standards also exists. The corresponding Indian Standards, which are to be substituted, are listed below along with their degree of equivalence for the editions indicated:

The technical committee has reviewed the provisions of the following international standards referred in this adopted standard and decided that they are acceptable for use in conjunction with this standard.

International Standard	*Title*
IEC 60068-2-52:1996	Environmental testing – Part 2-52: Tests – Test Kb: Salt mist, cyclic (sodium, chloride solution)
IEC 62561-1:2012	Lightning protection system components (LPSC) – Part 1, Requirements for connection components
ISO 2178	Non-magnetic coatings on magnetic substrates – Measurement of coating thickness – Magnetic method
ISO 6988:1985	Metallic and other non-organic coatings – Sulphur dioxide test with general condensation of moisture

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test, shall be rounded off in accordance with IS 2: 2022 'Rules for rounding off numerical values (*Second Revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Scope

To prepare standards for safety and related matters in designing, erection and maintenance of electrical installations from the point of view of safety and good practice that would, amongst other things, promote compatibility between such standards and those concerning the equipment installed The work includes electrical installations in buildings for different occupancies and outdoor sites of temporary or permanent nature and also installations in the ships

Note — The technical content of their document has not been enclosed as there are identical with the corresponding IEC standards for details, please refer the corresponding IEC 62561-2-2018 or kindly contact:

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