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Classification of environmental conditions - Part 2:
Environmental conditions appearing in nature - Fauna
and flora

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

Classification of environmental conditions - Part 2:
Environmental conditions appearing in nature - Fauna and flora
(IEC 60721-2-7:2018)

Classification des conditions d'environnement - Partie 2 :
Conditions d'environnement présentes dans la nature -
Faune et flore
(IEC 60721-2-7:2018)

Klassifizierung von Umgebungsbedingungen - Teil 2-7:
Natürliche Umgebungsbedingungen - Fauna und Flora
(IEC 60721-2-7:2018)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
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European foreword

The text of document 104/741/CDV, future edition 2 of IEC 60721-2-7, prepared by IEC/TC 104 "Environmental conditions, classification and methods of test" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60721-2-7:2018.

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) 2019-01-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-04-23

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Endorsement notice

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60721-1:1990 and IEC 60721-1:1990/A1:1992	NOTE	Harmonized as EN 60721-1:1995 (not modified)
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CLASSIFICATION OF ENVIRONMENTAL CONDITIONS –

Part 2-7: Environmental conditions appearing in nature – Fauna and flora

1 Scope

This document addresses the occurrence of fauna and flora, including its main effects on electrotechnical products. Exposure and damage from the effects of fauna and flora can occur at almost any time in a product's life cycle. Moreover, there are many agents of attack with various actions.

This document addresses the occurrence and damage arising from fauna and flora in all locations a product can be stored, transported or used. Generally, fauna can be present and cause damage to products in both the natural environments experienced in open-air locations as well as in artificially created environments, such as in a warehouse or building. However, flora will predominantly be present and cause damage to products only in open-air locations. Fungus and bacteria can be present in both open-air locations as well as in warehouses or buildings.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

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

4 General

The main attacking agents considered in this document are micro-organisms including fungi, bacteria, as well as insects, rodents, algae and marine organisms. Hazards due to other agents are considered to be of lesser importance and have been omitted. These include the corrosive action of juices secreted by some plants, the mechanical action due to the growth of the larger trees, which may be sufficiently great to destroy the foundations of a building or to break cables, and the damage caused by animals such as monkeys and elephants. Birds in flight can be a hazard to aircraft, and in the region of bird colonies, widespread droppings can create corrosion problems. In addition, some agents which are mentioned have other modes of action which have not been included; for example both rodents and insects are occasionally responsible for chemical corrosion or soiling.

The frequency of occurrence of fauna and flora with a possibility of damaging products very much depends on conditions of temperature and humidity. In geographical areas with warm damp climates, fauna and flora, especially insects and micro-organisms such as mould and bacteria, will find favourable conditions of life. Moreover, humid or wet rooms in buildings, or rooms for processes producing humidity, are suitable living spaces for rodents, insects and micro-organisms.