



SLOVENSKI STANDARD SIST EN IEC 60721-3-1:2018

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Klasifikacija okoljskih pogojev - 1-3. del: Razvrščanje skupin okoljskih parametrov in njihove resnosti - Skladiščenje (IEC 60721-3-1:2018)

Classification of environmental conditions - Part 3-1: Classification of groups of environmental parameters and their severities - Storage (IEC 60721-3-1:2018)

Klassifizierung von Umweltbedingungen - Teil 3: Klassen von Umwelteinflußgrößen und deren Grenzwerte - Hauptabschnitt 1: Langzeitlagerung (IEC 60721-3-1:2018)

Classification des conditions d'environnement - Partie 3-1: Classification des groupements des agents d'environnement et de leurs sévérités - Stockage (IEC 60721-3-1:2018)

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EUROPEAN STANDARD

EN IEC 60721-3-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Classification of environmental conditions - Part 3-1:
Classification of groups of environmental parameters and their
severities - Storage
(IEC 60721-3-1:2018)

Classification des conditions d'environnement - Partie 3-1:
Classification des groupements des agents
d'environnement et de leurs sévérités - Stockage
(IEC 60721-3-1:2018)

Klassifizierung von Umgebungsbedingungen - Teil 3-1:
Klassen von Umwelteinflussgrößen und deren Grenzwerte -
Langzeitlagerung
(IEC 60721-3-1:2018)

This European Standard was approved by CENELEC on 2018-03-30. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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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

EN IEC 60721-3-1:2018 (E)**European foreword**

The text of document 104/772/FDIS, future edition 3 of IEC 60721-3-1, 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 60721-3-1:2018.

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) 2018-12-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-03-30

This document supersedes EN 60721-3-1:1997.

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 60721-3-1:2018 was approved by CENELEC as a European Standard without any modification.

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

IEC 60721-2 (series)	NOTE	Harmonized as EN 60721-2 (series).
IEC 60721-2-1	NOTE	Harmonized as EN 60721-2-1.
IEC 60721-2-2	NOTE	Harmonized as EN 60721-2-2.
IEC 60721-2-3	NOTE	Harmonized as EN 60721-2-3.
IEC 60721-3 (series)	NOTE	Harmonized as EN 60721-3 (series).
IEC 60721-3-0	NOTE	Harmonized as EN 60721-3-0.
IEC 60721-3-2	NOTE	Harmonized as EN 60721-3-2.

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60721-1	-	Classification of environmental conditions - EN 60721-1 Part 1: Environmental parameters and their severities		-

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IEC 60721-3-1

Edition 3.0 2018-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Classification of environmental conditions –
Part 3-1: Classification of groups of environmental parameters and their
severities – Storage**

**Classification des conditions d'environnement –
Partie 3-1: Classification des groupements des agents d'environnement et de
leurs sévérités – Stockage**

INTERNATIONAL
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COMMISSION

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CONTENTS

FOREWORD	3
1 Scope and object	5
2 Normative references	5
3 Terms and definitions	5
4 General	6
5 Classification of groups of environmental parameters and their severities	7
5.1 General	7
5.2 Climatic conditions (K)	7
5.3 Special climatic conditions (Z)	10
5.4 Biological conditions (B)	10
5.5 Chemically active substances (C)	11
5.6 Mechanically active substances (S)	12
5.7 Mechanical conditions (M)	12
Annex A (informative) Chemically active substances	13
Bibliography	14
Table 1 – Classification of climatic conditions	9
Table 2 – Classification of special climatic conditions	10
Table 3 – Classification of biological conditions	11
Table 4 – Classification of chemically active substances	11
Table 5 – Classification of mechanically active substances	12
Table 6 – Classification of mechanical conditions	12

INTERNATIONAL ELECTROTECHNICAL COMMISSION

CLASSIFICATION OF ENVIRONMENTAL CONDITIONS –

Part 3-1: Classification of groups of environmental parameters and their severities – Storage

FOREWORD

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International Standard IEC 60721-3-1 has been prepared by IEC technical committee 104: Environmental conditions, classification, and methods of test.

This third edition cancels and replaces the second edition, published in 1997, and constitutes a technical revision.

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

- a) Clause 3: reworded and simplified.
- b) Clause 4: reworded and simplified.
- c) Clause 5: Annex C has been incorporated in Clause 5.

- d) 5.2: all existing climate classes have been replaced by completely new classes. The new classes are divided into 3 groups. The reason for the new classes is the latest revision of IEC 60721-2-1 which incorporated new climate types.
- e) 5.3: new classes for solar radiation and snow load.
- f) 5.6: all existing classes for mechanically active substances have been replaced by completely new classes.
- g) 5.7: all existing classes for mechanical conditions have been replaced by completely new classes.
- h) Table 1: new climatic classes with new severities.
- i) Table 2: new classes for solar radiation and snow load.
- j) Table 5 new mechanically active substances classes.
- k) Table 6: new mechanical conditions classes.

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

FDIS	Report on voting
104/772/FDIS	104/782/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.

A list of all parts in the IEC 60721 series, published under the general title *Classification of environmental conditions*, can be found on the IEC website.

SIST EN IEC 60721-3-1:2018

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.

CLASSIFICATION OF ENVIRONMENTAL CONDITIONS –

Part 3-1: Classification of groups of environmental parameters and their severities – Storage

1 Scope and object

This part of IEC 60721 classifies the groups of environmental parameters and their severities to which products together with their packaging, if any, are subjected when stored.

The environmental conditions specified in this document are limited to those which can directly affect the products or their ultimate performance. Only environmental conditions as such are considered. No special description of the effects of these conditions on the products is given.

Environmental conditions directly related to fire or explosions are not included.

Conditions of stationary use, portable and non-stationary use, use in vehicles and ships, and conditions of transportation are given in other subparts of the IEC 60721-3 series.

The object of this document is to classify environmental parameters and their severities to which a product can be exposed during storage. Transfer and handling during storage and transport are addressed in IEC 60721-3-2.

2 Normative references

[SIST EN IEC 60721-3-1:2018
https://standards.iteh.ai/catalog/standards/sist/93a42d5d-6b69-4018-9f59-39b8eb29ef14/sist-en-iec-60721-3-1-2018](https://standards.iteh.ai/catalog/standards/sist/93a42d5d-6b69-4018-9f59-39b8eb29ef14/sist-en-iec-60721-3-1-2018)

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IEC 60721-1, *Classification of environmental conditions – Part 1: Environmental parameters and their severities*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60721-1 and the following apply.

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>

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