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Responsible committee: GEL/104 Environmental conditions, classification and testing

Interested committees:

Title: BS EN IEC 60721-3-7 Classification of environmental conditions

Part 3: Classification of groups of environmental parameters and their severities - Section 7: Portable and non-stationary use

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

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- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



104/1061A/CD

COMMITTEE DRAFT (CD)

PROJECT NUMBER:

IEC 60721-3-7 ED3

DATE OF CIRCULATION:

2024-05-31 (2024-05-24)

CLOSING DATE FOR COMMENTS:

2024-08-16

SUPERSEDES DOCUMENTS:

104/1010/RR

IEC TC 104 : ENVIRONMENTAL CONDITIONS, CLASSIFICATION AND METHODS OF TEST

SECRETARIAT:

Sweden

SECRETARY:

Mr Henrik Lagerström

OF INTEREST TO THE FOLLOWING COMMITTEES:

PROPOSED HORIZONTAL STANDARD:

☐

Other TC/SCs are requested to indicate their interest, if any, in this CD to the secretary.

FUNCTIONS CONCERNED:

☐ EMC

☐ ENVIRONMENT

☐ QUALITY ASSURANCE

☐ SAFETY

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TITLE:

Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 7: Portable and non-stationary use

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CLASSIFICATION OF ENVIRONMENTAL CONDITIONS –

Part 3-7: Classification of groups of environmental parameters and their severities – Portable and non-stationary use

FOREWORD

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- International Standard IEC 60721-3-7 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 1995, and constitutes a technical revision.
- This edition includes the following significant technical changes with respect to the previous edition:
- a) Most classes have been replaced by completely by new classes based on the use of new information obtained from referenced Technical Reports.
 - b) Table 1 through to Table 5 have been updated.

78 c) The content of the six informative Annex's have either been incorporated into main body
79 text or deleted.

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

FDIS	Report on voting
104/773/FDIS	104/783/RVD

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

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

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

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

- 89 • reconfirmed,
90 • withdrawn,
91 • replaced by a revised edition, or
92 • amended.

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CLASSIFICATION OF ENVIRONMENTAL CONDITIONS –

Part 3-7: Classification of groups of environmental parameters and their severities – Portable and non-stationary use.

1 Scope and object

This part of IEC 60721 classifies the groups of environmental parameters and their severities to which products are subject to during portable and non-stationary use. This includes periods of transfer, down time, maintenance and repair.

The environmental conditions encompassed by these groups include the environmental conditions occurring:

- At locations where the product may be placed or used temporarily;
- During the transfer of products between different locations.

The conditions of portable and non-stationary use to which products may be exposed include land-based and offshore, weather protected, and non-weather protected locations. The conditions also include those occurring during transfer between locations.

The environmental conditions specified in this document are applicable to products which are frequently moved from place to place, particularly when the transfer time can be a significant proportion of the product's lifetime. During such transfer the product is unlikely to have any special packaging.

The environmental conditions specified in this document do not consider the use profile of the product i.e., whether the product is used only during a temporary stationary state, during the state of transfer or arbitrary.

Accidental incidents such as fire, explosion and other unforeseen incidents are not included. However, their occurrence may need to be considered in special cases.

Micro-climates occurring within a product are not included.

Classification of for stationary use, storage and transportation environmental conditions are given in other parts of IEC 60721-3(all parts).

2 Normative references

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.

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.