

SLOVENSKI STANDARD oSIST prEN IEC 60721-3-5:2025

01-marec-2025

Razvrščanje okoljskih pogojev - 3. del: Razvrščanje skupin okoljskih parametrov in njihove resnosti - 5. odsek: Inštalacije v kopenskih vozilih

Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities -section 5: Ground vehicle installations

iTeh Standards

Classification des conditions d'environnement - Partie 3: Classification des groupements des agents d'environnement et de leurs sévérités - Section 5: Installations des véhicules terrestres

Document Preview

en

Ta slovenski standard je istoveten z: prEN IEC 60721-3-5:2024

ICS:

19.040 Preskušanje v zvezi z

okoljem

Environmental testing

oSIST prEN IEC 60721-3-5:2025

oSIST prEN IEC 60721-3-5:2025

iTeh Standards (https://standards.iteh.ai) Document Preview

oSIST prEN IEC 60721-3-5:2025

https://standards.iteh.ai/catalog/standards/sist/f3884ba1-b7de-4e69-a1d8-71f17f27e1a4/osist-pren-iec-60721-3-5-2025

PROJECT NUMBER: IEC 60721-3-5 ED3

2024-12-27

DATE OF CIRCULATION:



104/1084/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

CLOSING DATE FOR VOTING:

2025-03-21

	SUPERSEDES DOCU	MENTS:			
	104/1060/CD, 104/1079/CC				
IEC TC 104: Environmental conditions, classification and methods of test					
SECRETARIAT:	, , ,	SECRETARY:			
Sweden		Mr Joakim Grafström			
OF INTEREST TO THE FOLLOWING COMMITTEES:		HORIZONTAL FUNCTION(S):			
TC 9,TC 44,SC 45B,TC 100,TA 6					
ASPECTS CONCERNED:					
Submitted for CENELEC parallel voting		☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING			
Attention IEC-CENELEC parallel vo	oting				
The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting.					
The CENELEC members are invited to vote through the CENELEC online voting system. OSIST pren IEC 60721-3-5:2025					
dards.iteh.ai/catalog/standards/s	1	de-4e69-a1d8-71f17f27e1a4/osist-pren-iec-6072			
This document is still under study and	d subject to change.	It should not be used for reference purposes.			
Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.					
Recipients of this document are invited to submit, with their comments, notification of any relevant "In Some Countries" clauses to be included should this proposal proceed. Recipients are reminded that the CDV stage is the final stage for submitting ISC clauses. (SEE AC/22/2007 OR NEW GUIDANCE DOC).					
TITLE:					
Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities -Section 5: Ground vehicle installations					
PROPOSED STABILITY DATE: 2035					
NOTE FROM TC/SC OFFICERS:					
Copyright © 2024 International Electrotechnical Commission, IEC. All rights reserved. It is permitted to					

download this electronic file, to make a copy and to print out the content for the sole purpose of preparing National Committee positions. You may not copy or "mirror" the file or printed version of the document, or any part of it, for any other purpose without permission in writing from IEC.

1

CONTENTS

2	CONT	2		
3	FORE	3		
4	1 S	5		
5	2 Normative references		5	
6	3 Terms and definitions		5	
7	4 General		6	
8	8 5 Classification of groups of environmental parameters and their severities			
9	5.1	General	7	
10	5.2	Climatic conditions (K)	7	
11	5.3	Special climatic conditions (Z)	10	
12	5.4	Biological (B)	10	
13	5.5	Chemically active substances (C)	11	
14	5.6	Mechanically active substances (S)	12	
15	5.7	Contaminating fluids (F)	12	
16	5.8	Mechanical conditions (M)		
17	Bibliography (https://standards.iteh.ai) 16			
18				
19				
20 Figure 2 – Stationary vibration, Random15				
21				
22				
23	Table 1 – Classification of climatic conditions9			
24	24 Table 2 – Classification of special climatic conditions			
25	Table 3 – Classification of biological conditions10			
26	Table	4 – Classification of chemically active substances	10	
27				
28				
29		7 – Classification of mechanical conditions		
-				

3

INTERNATIONAL ELECTROTECHNICAL COMMISSION

33

34

35

32

CLASSIFICATION OF ENVIRONMENTAL CONDITIONS -

36

37

38

Part 3-5: Classification of groups of environmental parameters and their severities – Ground Vehicle Installations

39

40

41 42

43

44 45

46 47

48 49

63

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 50 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 53 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National
 Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC
 Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any
 misinterpretation by any end user.
- 57 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications 58 transparently to the maximum extent possible in their national and regional publications. Any divergence between 59 any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
 - 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 71 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.
- International Standard IEC 60721-3-5 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.
- 77 This edition includes the following significant changes with respect to the previous edition:
- 78 a) Most classes have been replaced by completely new classes based on the use of additional information obtained from referenced Technical Reports.

IEC CDV 60721-3-5 © IEC 2024

4

104/1084/CDV

- 80 b) Table 1 through to Table 7 have been reviewed and updated.
- c) The content of Annex A and B has either been incorporated into main body text or deleted.
- The text of this International Standard is based on the following documents:

FDIS	Report on voting	
xxx	xxx	

83

- 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.
- 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.

- 93 withdrawn,
- replaced by a revised edition, or Standard S
- 95 amended.

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

96

92

SIST prEN IEC 60721-3-5:2025

https://standards.iteh.ai/catalog/standards/sist/f3884ba1-b7de-4e69-a1d8-71f17f27e1a4/osist-pren-jec-60721-3-5-202