



SLOVENSKI STANDARD
SIST EN 60721-1:2001/A2:2001
01-september-2001

Amendment to table 1 of EN

Classification of environmental conditions -- Part 1: Environmental parameters and their severities

Klassifizierung von Umweltbedingungen -- Teil 1: Umwelteinflußgrößen und deren Grenzwerte

Classification des conditions d'environnement -- Partie 1: Agents d'environnement et leurs sévérités

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[SIST EN 60721-1:2001/A2:2001](https://standards.iteh.ai/catalog/standards/sist/0b5801a9-0e47-4489-a07d-24021b091260/sist-en-60721-1-2001-a2-2001)

Ta slovenski standard je istoveten z: **EN 60721-1:1995/A2:1995**

ICS:

19.040	Preskušanje v zvezi z okoljem	Environmental testing
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SIST EN 60721-1:2001/A2:2001 **en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60721-1/A2

July 1995

UDC 621.3:620.193
ICS 19.040

Descriptors: Electronic component, electrotechnical component, electrical material, storage condition, using condition, environment, atmosphere

English version

Classification of environmental conditions
Part 1: Environmental parameters and their severities
(IEC 721-1:1990/A2:1995)

Classification des conditions
d'environnement
Partie 1: Agents d'environnement et
leurs sévérités
(CEI 721-1:1990/A2:1995)

Klassifizierung von Umweltbedingungen
Teil 1: Umwelteinflußgrößen und deren
Grenzwerte
(IEC 721-1:1990/A2:1995)

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[SIST EN 60721-1:2001/A2:2001](https://standards.iteh.ai/catalog/standards/sist/0b5801a9-0f47-4489-a07d-24021b09126b/sist-en-60721-1-2001-a2-2001)

<https://standards.iteh.ai/catalog/standards/sist/0b5801a9-0f47-4489-a07d-24021b09126b/sist-en-60721-1-2001-a2-2001>

This amendment A2 modifies the European Standard EN 60721-1:1995; it was approved by CENELEC on 1995-07-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This amendment 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 75/223/DIS, future amendment 2 to IEC 721-1:1990, prepared by IEC TC 75, Classification of environmental conditions, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A2 to EN 60721-1:1995 on 1995-07-04.

The following dates were fixed:

- latest date by which the amendment has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1996-04-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 1996-04-01

Endorsement notice

The text of amendment 2:1995 to the International Standard IEC 721-1:1990 was approved by CENELEC as an amendment to the European Standard without any modification.

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SIST EN 60721-1:2001/A2:2001

<https://standards.iteh.ai/catalog/standards/sist/0b5801a9-0f47-4489-a07d-24021b09126b/sist-en-60721-1-2001-a2-2001>

NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
721-1

1990

AMENDEMENT 2
AMENDMENT 2

1995-04

Amendement 2

Classification des conditions d'environnement

Partie 1:

iTeh STANDARD PREVIEW
Agents d'environnement et leurs sévérités
(standards.iteh.ai)

Amendment 2

SIST EN 60721-1:2001/A2:2001
<https://standards.iteh.ai/catalog/standards/sist/0b5801a9-0f47-4489-a07d-2402100-1200/sist-en-60721-1-2001-a2-2001>
Classification of environmental conditions

Part 1:

Environmental parameters and their severities

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Bureau Central de la Commission Electrotechnique Internationale 3, rue de Varembe Genève, Suisse



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International Electrotechnical Commission
Международная Электротехническая Комиссия

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FOREWORD

This amendment has been prepared by IEC technical committee 75: Classification of environmental conditions.

The text of this amendment is based on the following documents:

DIS	Report on voting
75/223/DIS	75/232/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

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Table 1 (*concluded*)

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Delete the existing text of item 7 and replace it by the following new item 7:

SIST EN 60721-1:2001/A2:2001

<https://standards.iteh.ai/catalog/standards/sist/0b5801a9-0f47-4489-a07d-24021b09126b/sist-en-60721-1-2001-a2-2001>

Item	Environmental factor Environmental parameter and unit	Severity (see note 1)	Code of conditions (see note 2)				Remarks (Based on IEC 1000-2-5)
			A	W	S	E	
7	Electric and electromagnetic disturbance						Radiated disturbance items 7.1 and 7.2. Conducted disturbance items 7.3 to 7.7
7.1	<i>Magnetic field</i>						
7.1.1	<i>Field strength</i> A/m (harmonics of power systems, frequency range 0,1–3 kHz for n = order of harmonics)	0,015 0,05 0,15 0,5 1 3 10 30 100 3/n 10/n 30/n 100/n				X	
7.2	<i>Electric field</i>						
7.2.1.	<i>Field strength</i> V/m kV/m	0,3 1 3 10 30 60 100 140 200 300 600 1 3 10 20				X	
7.2.2	<i>Rate of change of field</i> V/(m · ns) (pulsed disturbance)	3 10 30 100 250 300 500 1 000 2 000 3 000 10 000				X	

For notes, see pages 37 to 41 in IEC 721-1 (1990).

Item	Environmental factor		Severity (see note 1)	Code of conditions (see note 2)				Remarks
	Environmental parameter and unit			A	W	S	E	
7.3	<i>Harmonics</i> Total harmonic distortion factor % of fundamental voltage		8 10			X		
7.4	<i>Signalling voltage</i>							
7.4.1	<i>Amplitude (r.m.s.)</i>	% of U_n mV	0,6 1,3 5 0,6 2			X	U_n = nominal voltage	
7.5	<i>Voltage and frequency variation</i>							
7.5.1	<i>Voltage fluctuation</i> Amplitude	% of U_n	3 10			X	U_n = nominal voltage	
7.5.2	<i>Voltage dip/interruption</i> Dip (10 % to 99 % U_n) Duration Interruption (100 % of U_n) Duration	s	0,8 3 0,6 60			X X	U_n = nominal voltage	
7.5.3	<i>Voltage unbalance</i> U_{neg} / U_{pos}	%	2 3			X		
7.5.4	<i>Frequency variation</i>	% of f_n	2			X	f_n = nominal frequency	
7.6	<i>Induced voltage</i>							
7.6.1	<i>Amplitude</i>	V	0,05 0,1 0,15 0,3 0,5 1 3 10 20 30 100 300 1 000 3 000			X		

For notes, see pages 37 to 41 in IEC 721-1 (1990).