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Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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NORME EUROPÉENNE

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English Version

**Classification of environmental conditions - Part 2-9:
Environmental conditions appearing in nature - Measured shock
and vibration data - Storage, transportation and in-use
(IEC 60721-2-9:2014)**

Classification des conditions d'environnement - Partie 2-9:
Conditions d'environnement présentes dans la nature -
Données de chocs et de vibrations mesurées - Stockage,
transport et utilisation
(CEI 60721-2-9:2014)

Klassifizierung von Umgebungsbedingungen - Teil 2-9:
Natürliche Einflüsse - Beschreibung von
Umgebungsbedingungen aus gemessenen Stoß- und
Schwingungsdaten - Lagerung, Transport und Im-Betrieb
(IEC 60721-2-9:2014)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 104/630/FDIS, future edition 1 of IEC 60721-2-9, 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 60721-2-9:2014.

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- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-01-10
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IEC 60068-2 (Series)	NOTE	Harmonized as EN 60068-2 (Series).
IEC 60721-3 (Series)	NOTE	Harmonized as EN 60721-3 (Series).
IEC 60068-2-6:2007	NOTE	Harmonized as EN 60068-2-6:2008.
IEC 60721-1	NOTE	Harmonized as EN 60721-1.



INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Classification of environmental conditions –
Part 2-9: Environmental conditions appearing in nature – Measured shock and
vibration data – Storage, transportation and in-use**

**Classification des conditions d'environnement –
Partie 2-9: Conditions d'environnement présentes dans la nature – Données de
chocs et de vibrations mesurées – Stockage, transport et utilisation**



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Classification of environmental conditions –
Part 2-9: Environmental conditions appearing in nature – Measured shock and
vibration data – Storage, transportation and in-use**

**Classification des conditions d'environnement –
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CLASSIFICATION OF ENVIRONMENTAL CONDITIONS –**Part 2-9: Environmental conditions appearing in nature –
Measured shock and vibration data –
Storage, transportation and in-use**

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International Standard IEC 60721-2-9 has been prepared by IEC technical committee 104: Classification of environmental conditions.

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

FDIS	Report on voting
104/630/FDIS	104/632/RVD

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

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

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INTRODUCTION

This part of IEC 60721 is intended as part of the strategy for defining an environmental description from measured data acquired at multiple locations whilst a product is either in storage, being transported or in-use at weather or non-weather protected locations. This measured data is normally in the form of acceleration versus time records. This, in turn, will then allow appropriate severities to be chosen from the IEC 60068-2 series [1]¹ of shock and vibration test methods. Environmental levels given in IEC 60721-3 [2] should then be applied, having been updated based upon the strategy described in this standard.

More detailed information may be obtained from specialist documentation, some of which is given in the bibliography.

¹ Numbers in square brackets refer to the Bibliography.

CLASSIFICATION OF ENVIRONMENTAL CONDITIONS –

Part 2-9: Environmental conditions appearing in nature – Measured shock and vibration data – Storage, transportation and in-use

1 Scope and object

This part of IEC 60721 is intended to be used to define the strategy for arriving at an environmental description from measured data when related to a product's life cycle.

Its object is to define fundamental properties and quantities for characterization of storage, transportation and in-use shock and vibration data as background material for the severities to which products are liable to be exposed during those phases of their lifecycle.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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