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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 2422-2012

Replacing GB/T 2422-1995

**Environmental testing -- Guide to drafting of test methods --
Terms and definitions**

环境试验 试验方法编写导则 术语和定义

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard replaces GB/T 2422-1995 "electric and electronic products environmental testing term", compared with the GB/T 2422-1995, the main Changes are as follows.

--- Increased Chapter 2, "Normative references" and Chapter 3, "Environmental testing the term" two chapters, subsequent reg number corresponding changes;

--- Chapter 4, "the generic term" removed "initial detection" and "final inspection" adds "environmental conditions" and "environmental parameters";

--- Chapter 5, "shock, vibration and acceleration, steady state" removed "oscillation cycle, vibration frequency, angular frequency, amplitude displacement, velocity amplitude Value acceleration amplitude, composite vibration acceleration mean square, root mean square acceleration, thrust, no-load maximum acceleration, maximum acceleration loaded Degrees, the displacement amplitude uniformity mesa, mesa acceleration amplitude uniformity, lateral vibration, a piezoelectric acceleration sensor, voltage sensor Sensor sensitivity and charge sensitivity";

--- Added Appendix NA (informative).

This standard uses the translation method is equivalent to using the International Electrotechnical Commission IEC 60068-5-2:1990 (first edition) "Environmental testing -

Part 5.

Standard Test Method for guidelines for the preparation of terms and definitions, "This standard takes the following editorial changes.

- "This part of the IEC 60068-5-2" to "this standard";
- Remove the IEC 60068-5-2:1990 Foreword and Introduction;
- Increase the national standard foreword;
- Have cited correspondence between the national standards with international standards;
- The Chapter 4, "the generic term" the bottom of the note, to footnote;
- Chinese index increased, while the IEC 60068-5-2:1990 Annex A (English index) changed to English index;
- Added Appendix NA (informative);
- Increased by reference.

This standard by the national electric and electronic products environmental conditions and environmental tests for Standardization Technical Committee (SAC/TC8) and focal points.

This standard was drafted. China Electric Apparatus Research Institute Co., Ltd., the Ministry of Information Industry Institute of Electronics Industry Standardization, Ministry of Information Industry Institute of Electronics fifth.

1 Scope and Purpose

This standard gives terms and definitions for electric and electronic products used in the test environment, such as. components, sub-assemblies, components and devices.

Environmental conditions include. impact, vibration, climate (temperature, humidity and atmospheric pressure), the seal (against solid, liquid, gas, or immersed in maintaining pressure), Welding heat (including thermal shock generated by welding).

This standard does not address fire hazard test related terms that related terms are listed in GB/T 5169 standard. We are not considered Conditions. solar radiation, mildew, corrosion, terminations strength, durability tag, dust, sand and precipitation, radiation, noise and vibration.

Note 1: IEC 60068-1. 1988 Chapter 2 describes the scope of the environmental tests. Other standard environmental tests, the first chapter is about the purpose of the application and in the field.

Note 2: This guide describes the test environment according to Classification of environmental conditions include terms and definitions, these environmental conditions and environmental conditions classification and grading scale Registration conditions are not the same, but also to

meet the requirements of environmental test methods.

Note 3: introduces some special vocabulary test environment does not have, such as those from ISO 2041 and IEC 60721-1. 1981 standard vocabulary, and gives the word Exchange relationships with other source vocabulary.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

IEC 60068 (all parts), Environmental testing (Environmentaltesting) IEC 60068-1. 1988
Environmental testing - Part 1. Overview and Guide (Environmentaltesting-Part 1. General
andguidance) IEC 60721-1. 1981 Classification of environmental conditions - Part 1.
Environmental parameters and their severities (Classificationof
environmentalconditions-Part 1. Environmentalparametersandtheirseverities) ISO/IEC
Guide 2 generic term standardization and related activities
(Generaltermsandtheirdefinitionsconcerning standardisationandrelatedactivities) ISO 2041
Vibration and shock vocabulary (Vibrationandshock-Vocabulary)

3 Environmental Testing Terminology

According to the following terms and definitions relating to each chapter is allocated.

Chapter topics identification letter (Reference from GB/T 2421.1-2008 1.3)