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NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

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GB/T 2423.15-2008 / IEC 60068-2-7:1986

Replacing GB/T 2423.15-1995

**Environmental testing for electric and electronic
products - Part 2: Tests methods - Test Ga and
guidance: Acceleration, steady**

电工电子产品环境试验 第2部分：试验方法 试验 Ga 和导则 稳态

加速度

(IEC 60068-2-7:1986, IDT)

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**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of PRC;**

Standardization Administration of PRC.

Table of Contents

Foreword.....	3
1 Scope.....	5
2 Normative references.....	5
3 Test conditions	6
4 Severity level.....	7
5 Initial inspection	7
6 Condition test	8
7 Final inspection	8
8 Contents to be given in relevant specifications	8
Appendix A (Normative) Guidelines	10
Appendix B (Informative) Supplementary guideline	12

Foreword

GB/T 2423 "Environmental testing for electric and electronic products - Part 2: Tests methods" is divided into several parts, according to the test methods.

This part is Part 15 of GB/T 2423.

This part identically adopts IEC 60068-2-7:1986 (Ed2.1) "Basic environmental testing procedures - Part 2-7: Tests - Test Ga and guidance: Acceleration, steady state".

For ease of use, the following editorial changes have been made to this part, as relative to the IEC standard:

- a) CHANGE "This Part of IEC 60068" into "this Part of GB/T 2423" or "this Part";
- b) USE a decimal point ".", to replace the comma ",", which was previously used as a decimal point;
- c) DELETE the foreword of the international standard;
- d) In order to be consistent with the names of other Parts of the existing GB/T 2423, CHANGE this part into the current name.

This part replaces GB/T 2423.15-1995 "Environmental testing for electric and electronic products - Part 2: Tests methods - Test Ga and guidance: Acceleration, steady" (idt IEC 60068-2-7:1986 Ed2.1).

This revision is an editorial revision of GB/T 2423-1995; there is no change in the technical content. The revised chapter arrangement and format are consistent with other parts. The specific editorial changes are:

- a) COMBINE the original purpose and general description chapters into two separate clauses in the Chapter 1;
- b) INCORPORATE the introduction of the cited standards in the original IEC foreword into the normative references in Chapter 2.

Appendix A of this Part is a normative appendix; Appendix B is an informative appendix.

This part was proposed by Shanghai Institute of Quality Supervision and Inspection Technology.

This part shall be under the jurisdiction of the China Electrical and Electronic Products Environmental Conditions and Environmental Testing Standardization

Environmental testing for electric and electronic products - Part 2: Tests methods - Test Ga and guidance: Acceleration, steady

1 Scope

1.1 Purpose

It is used to determine whether the adaptability and performance of the structure are good, AND assess the structural integrity of some components, under the action of the force (except gravity), which is generated by components, equipment and other electrical and electronic products (hereinafter referred to as "samples"), subjected to a steady-state acceleration environment, such as those generated by running vehicles, aerial vehicles, rotating machinery and projectiles.

1.2 General description

The sample installed in the moving body will experience the force, which is generated by the steady-state acceleration, although in some cases, the acceleration of the ground vehicle is also quite large. However, this environment is most obvious in airborne vehicles and rotating machinery.

Generally speaking, the acceleration value, which is experienced by the sample during use, is different along each main axis of the moving body. In addition, the acceleration values, in the two opposite directions of each main axis, are often different.

If the orientation of the sample, as relative to the moving body, is not defined, the relevant specifications, after considering the maximum acceleration of the moving body on different axes, specify the steady-state acceleration levels of each main axis of the sample, in two opposite directions.

2 Normative references

The provisions in following documents become the provisions of this Part through reference in this Part of GB/T 2423. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Part; however, parties who reach an agreement based on this Part are

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