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

GB/T 20159.6-2008

**Classification of environmental conditions -- Guidance for the
correlation and transformation of environmental condition
classes to the environment tests -- Ship environment**

环境条件分类 环境条件分类与环境试验之间的关系及转换指南 船用

(English Translation)

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Foreword

GB/T 20159 "between the environmental conditions classification Classification of environmental conditions and environmental tests Relationship and Conversion Guide" is currently divided into the following if Cadre points.

--- GB/T 20159.1 Classification of environmental conditions and the relationship between the storage Transition Guide Classification of environmental conditions and environmental tests

--- GB/T 20159.2 relationship between transportation and Conversion Guide Classification of environmental conditions Classification of environmental conditions and environmental tests

--- GB/T 20159.3 between environmental conditions classification Classification of environmental conditions and environmental tests have climate relationship and Conversion Guide Stationary use protective properties

--- GB/T 20159.4 Classification of environmental conditions between the Classification of environmental conditions and environmental tests the relationship between climate and no conversion guide Stationary use protective properties

--- GB/T 20159.5 between environmental conditions classification Classification of environmental conditions and environmental tests Relations and ground vehicles Transition Guide Transport vehicles

--- GB/T 20159.6 relationship between the Marine and Transition Guide Classification of environmental conditions Classification of environmental conditions and environmental tests

--- GB/T 20159.7 relationship between environmental conditions classification Classification of environmental conditions and environmental testing and conversion guide and carry Non-stationary use

--- GB/T 20159.8 between environmental conditions classification Classification of environmental conditions and environmental tests relations and Conversion Guide Introduction this is Part 6 GB/T 20159 of.

This section identical with IEC TR60721-4-6:2003 "Classification of environmental conditions. Part 4-6. IEC 60721-3 Environmental conditions in points Between classes and IEC 60068 in the test environment relations and Marine Transition Guide "(in English).

Taking into account the actual situation in China, this part of the IEC 60721-4-6 made the following editorial changes.

--- "IEC 60721 Part of the present" was changed to "GB/T 20159 in this section";

--- The "Technical Report" to "this Part";

--- Cited international standards of our standards, rather than international standards, and change the order in which to fit the national conditions of China;

--- Remove the IEC 60721-4-6 foreword;

--- Increase the national standard foreword.

This section of the Appendices A and B are informative appendices.

This part of the National Electrical and Electronic Products Environmental conditions and environmental tests Standardization Committee (SAC/TC8) and focal points.

This part mainly drafted by. Guangzhou Electric Apparatus Research Institute, Shanghai Institute of Industrial Automation Instrumentation.

1 Scope and purpose

GB/T 20519 in this section is for the relationship between the GB/T 4798.6 Classification of environmental conditions and GB/T 2423 and environmental testing Conversion Guide.

Environment can consist of many environmental conditions and the composition, such as mechanical, climate, and biological active substances due to chemical and mechanical

actives Qualitative effects. In this section, only consider the mechanical conditions and climatic conditions.

This section aims to provide an easy to use form for specifiers, form these conditions are interrelated and conversion.

2 Normative references

The following documents contain provisions which, through reference GB/T 20159 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 2421-1999 Environmental testing for electric and electronic products - Part 1. General (idt IEC 60068-1. 1988) GB/T 2423.1-2008 Environmental testing for electric and electronic products Part 2. Test methods Test A. Cold (IEC 60068-2-1:2007, IDT) GB/T 2423.2-2008 Environmental testing for electric and electronic products Part 2. Test methods Test B. Dry heat (IEC 60068-2-2:2007, IDT) GB/T 2423.3-2006 Environmental testing for electric and electronic products Part 2. Test methods - Test Cab. Damp heat test (IEC 60068-2-78:2001, IDT) GB/T 2423.4-2008 Environmental testing for electric and electronic products Part 2. Test methods - Test Db alternating hot and humid (12h + 12h cycle) (IEC 60068-2-30:2005, IDT) GB/T 2423.5-1995 Environmental testing for electric and electronic products Part 2. Test methods Test Ea and guidance. Shock (idt IEC 60068-2-27. 1987) GB/T 2423.6-1995 Environmental testing for electric and electronic products Part 2. Test methods - Test Eb and guidance. Bump (idt IEC 60068-2-29. 1987) GB/T 2423.10-2008 Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Vibration (sinusoidal) (IEC 60068-2-6:1995, IDT) GB/T 2423.14-1995 Environmental testing for electric and electronic products solar radiation testing (idt IEC 60068-2-9. 1975) GB/T 2423.15-1995 Environmental testing for electric and electronic products Part 2. Test methods - Test Ga and guidance. Acceleration, steady state Degree (IEC 60068-2-7. 1986, IDT) GB/T 2423.18-2000 Environmental testing for electric and electronic products Part 2. Test methods - Test Kb. Salt mist, cyclic (chloride Sodium) (idt IEC 60068-2-52:1996) GB/T 2423.21-2008 Environmental testing for electric and electronic products Part 2. Test methods - Test M. Low air pressure (IEC 60068-2-13. 1983, IDT) GB/T 2423.22-2002 Environmental testing for electric and electronic products Part 2. Test methods - Test N. Temperature change (idt IEC 60068-2-14. 1984) GB/T 20159.6-2008/IEC TR60721-4-6:2003