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GB/T 32881-2016

Guidelines for Developing Environmental Information on Electrical and Electronic Products

电子电气产品环境信息编制指南

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Issued on: August 29, 2016

Implemented on: March 1, 2017

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

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Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard was proposed and under the jurisdiction of National Technical Committee on Environmental Standardization for Electrical and Electronic Products and Systems (SAC/TC 297).

Drafting organizations of this Standard: Shenzhen Academy of Metrology and Quality Inspection, China Quality Certification Center, Shanghai Institute of Quality Inspection and Technical Research, Mechanical & Electrical Products and Vehicle Testing Center of Jiangsu Entry-Exit Inspection and Quarantine Bureau, Ningbo Entry-Exit Inspection and Quarantine Bureau Technical Center, Lenovo (Beijing) Co., Ltd., and Sony (China) Co., Ltd.

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Guidelines for Developing Environmental Information on Electrical and Electronic Products

1 Scope

This Standard specifies the terms and definitions, preparation requirements, source, transmission, assessment and its contents for the environmental information on electrical and electronic products.

This Standard is applicable to the related enterprises on the supply chain of electrical and electronic products.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 20862-2007 Directives of the Calculation Method for Recoverability Rate of Products

GB/T 24001-2004 Environmental Management Systems - Requirements with Guidance for Use

GB/T 28179 Environmentally Conscious Design for Electrical and Electronic Product - Identification of Environmental Aspects

GB/T 29770-2013 End of Life Information Exchange for Electrical and Electronic Equipment between Manufacturers and Recyclers

GB/T 31250-2014 General Requirements on Environmental Information of Electrical and Electronic Products

3 Terms and Definitions

The following terms and definitions stipulated in GB/T 24001-2004 and GB/T 31250-2014 are applicable to this document.

- 1) Environmental impact.
- e) Preparation date of environmental information:
 - 1) Preparation date of environmental information.

5 Source of Environmental Information

The source of environmental information includes but not limited to:

- a) Obtain the environmental information on raw materials from the upstream supplier;
- b) Obtain the environmental information on manufacturing phase from the enterprise;
- c) Obtain the environmental information on the distributing phase from the package and transportation periods;
- d) Obtain the environmental information on the life end phase from the treatment period;
- e) Obtain the environmental information on the specific substance/material under certain process condition from the public available resources, such as relevant literatures, scientific research, databases etc.

6 Transmission and Assessment of Environmental Information

6.1 Information transmission

The enterprise shall manage the environmental information of the product, prepare the environmental information declaration, and provide to the relevant parties. If information is not adequately obtained, it can also request from the relevant parties to obtain the necessary environmental information.

6.2 Information assessment

Assess the environmental information from the following three aspects:

- a) Completeness of information;
- b) Relevance to upstream supplier and the product they supplied;
- c) Consistency with the test report and other information.

method of product renewable utilization can refer to GB/T 20862-2007.

The content of environmental information on life end can refer to Table 6.

Table 6 Environmental Information Form on Life End

Product recycling information
Package recycling information
Renewable utilization
Basis for calculating the renewable utilization (the reference standard, method, process etc. of calculating the renewable utilization)

7.5 Environmental impact

In addition to the product itself, the assessment of product environmental impact shall also include the package materials and consumables. It shall cover all phases of the product life cycle, such as raw material, manufacturing, distributing (transporting and packaging), using and life end.

When using software or database to assess the environmental impact, the used software and its version, as well as database and its version shall be indicated. If feasible, it shall provide the calculation method for the indicator selection of environmental impact, and indicate the condition assumption during the calculating period.

The content of environmental impact assessment can refer to Table 7, but not only limited to the following contents.

Bibliography

- [1] GB/Z 26668-2011 Material Declaration of Electronic and Electrical Products
- [2] GB/T 32882-2016 Material Declaration for Packaging of Electrical and Electronic Products
- [3] IEC 62542:2013 Environmental Standardization for Electrical and Electronic Products and Systems – Standardization of Environmental Aspects – Glossary of Terms
- [4] IEC/PAS 62545:2008 Environmental Information on Electrical and Electronic Equipment

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