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

GB/T 22421-2008

**The recycling and treatment requirements for
telecommunication infrastructure equipment**

通信网络设备的回收处理要求

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Table of Contents

- 1 Scope
- 2 Terms and definitions
- 3 Manufacturing enterprises requirements

Foreword

This standard is one of the series of communications products recycling standards, the series of standards currently include. Communications products

- waste recycling equipment requirements;
- Communication record recycling requests from the media;
- Recycling requirements for communications networking devices;
- Recycling requires communication terminal apparatus;
- Communication recycling lithium-ion battery requirements;
- Communication requirements of lead-acid battery recycling. With the development of technology, we will also develop subsequent relevant standards. Appendix A of this standard is an informative annex. The standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China. The standard by the China Communications Standards Association. This standard was drafted. Ministry of Information Industry Telecom Research Institute, ZTE, UT Starcom Limited (Chongqing) Communication the company. The main drafters of this standard. Jiang Jingxin, SOCIETY FOR Liu Yan, Lu Chunyang, Li Ting, Wang Zhihui.

With the improvement of China's communications technology, the upgrading of communications network equipment is gradually accelerating, waste needs to be recycled at the communications network equipment Management. The communications network equipment after the waste, such as improper disposal, will not only pollute the environment, it can also cause waste of resources. in order to Resource conservation, environmental protection, standardized communications network equipment recycling processes and treatment standard is formulated. This standard takes into account both the actual use of communications network equipment, but also take into account the requirements of the relevant national legislation and regulatory convergence, knot Situation together industry, economic and technical feasibility of communications network equipment manufacturers, network communications equipment and communications network operators Processing equipment companies were put forward requirements, so that the communication network

equipment recycling process more efficient, to maximize environmental protection, resource utilization, most Finally reaches promote the sound development of communication network equipment recycling industry. Recycling communications network equipment requirements

1 Scope

GB/T 22421-2008 is the Chinese national standard on the recycling and treatment requirements for telecommunication infrastructure equipment, in the field of environment and health protection, safety. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 7 October 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 April 2009. Classification: ICS 13.030.10, CCS Z71. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the communications network equipment recycling requirements to be met to establish the communications network equipment production enterprises to adopt General principles of product design and recycling processes, recycling instructions given basic format declaration, the provisions of the communications network transport Commercial organizations and recycling companies in the recycling segment should be responsible for it. This standard applies to communications network equipment.

2 Terms and definitions

The following terms and definitions apply to this standard.

- 2.1 Communications network operators to provide network communications services equipment. Communications network operators, including public network operators and network transport Business.
- 2.2 Waste products of any activity decontamination, dismantling, crushing the like of.
- 2.3 By manual or mechanical means waste products will be demolished, disintegrated, so that activities in the recovery process.
- 2.4 Process raw materials or components for re-use of waste products and components.
- 2.5 Waste products that can be compared to the quality of the part with the collected waste products recycling.

3 Manufacturing enterprises requirements

3.1 Material Requirements Without compromising performance, material selection should pay attention to.

- Material shall not contain toxic substances relevant state regulations;
- Good recyclability;
- Manufacturers in new products should maximize the use of recycled materials.

3.2 Easy dismantling requirements The product is easy to disassemble design should at least consider the following.

- Minimize the types of materials used in the product;
- Parts of different materials to be easily separated;
- Minimize the number and variety of products, parts and components;
- To avoid using different labels with the bulk material and patterns;
- As lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE, not including decabromodiphenyl ether) and other toxic and harmful substances