

ICS 33.040.40
CCS L78



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

GB/T 30246.5-2014

**Home network - Part 5: Terminal device specification - Home
appliances and similar electrical appliances**

家庭网络 第5部分：终端设备规范 家用和类似用途电器

Issued on: June 24, 2014

Implemented on: February 1, 2015

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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Foreword

GB/T 30246 "Home Network" is divided into 11 sections as follows:

- Part 1. System Architecture and Reference Model;
- Part 2. Control terminal specification;

- Part 3. Internal Gateway specification;
- Part 4. terminal equipment specifications audio, video and multimedia equipment;
- Part 5. terminal equipment specifications Household and similar electrical appliances;
- Part 6. multimedia and data network communication protocols;
- Part 7. control network communication protocol;
- Part 8. XML device description file format specification;
- Part 9. device description file specification binary format;
- Part 10. multimedia and data network interface conformance testing specification;
- Part 11. Conformance Test Specification control network interface. This section GB/T Part of 530,246. This section drafted in accordance with GB/T 1.1-2009 given rules. Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents. This part is proposed by the China National Light Industry Council. This part of the National Standardization Technical Committee appliances (SAC/TC46) centralized. This section drafted by: Chinese Academy of household appliances, Haier Group, China Electronics Standardization Institute, Zhongshan University, Connaught Nokia (China) Investment Co., Ltd., Samsung Electronics (China) R & D Center, Guangzhou-Hui Electronic Technology Co., Ltd., Siemens (China) have Limited. The main drafters of this section. Bing Xu Wei, Zhao, Fengcheng Wen, Guqing Kun, Zhang, Tianchen Yan, Chen Ren, Wang Xingjie, Yurong, Huang Chujia, Deng Yihong, Jiadong Yao, Wang Jinsong, Xiongzhong Liang, Jiao Wei, Fan Yibing.

Home network refers to the family in the context of audio and video equipment, household appliances, information equipment, warm water, electric meter, lighting systems, security Help in LAN alarm system connected together to form a variety of terminal devices networked via a home network, the Internet can be mutually Pass, to achieve a variety of network management and services, shared resources and services, a family information, entertainment, control of the interconnected system. GB/T 30246 reference SJ/T 11316-2005 "architecture and home networking reference model", SJ/T 11312-2005 "family Master of Communication Protocol Specification ", SJ/T 11313-2005" Main Family Interface network conformance test specification ", SJ/T 11314-2005" Home Control Son Netcom Protocol Specification ", SJ/T 11315-2005" home control sub-network interfaces conformance test specification ", SJ/T 11317-2005" home Chamber Network Device Description File Specification "and QB/T 2836-2006" network appliances General requirements ", for a home network system standards Complement and extend. This part of the home network terminal equipment for household and similar electrical appliances proposed technical specifications, hardware and software interfaces for network appliances, power Capacity, performance, safety, testing, and many other technical specifications follow

the rules. Home network - Part 5. terminal equipment specifications Household and similar electrical appliances

1 Scope

GB/T 30246.5-2014 is Part 5 of the Chinese home network series, and it is the part that deals with the appliances themselves - the washing machine, the air conditioner, the refrigerator once they are expected to join a network rather than merely be switched on. The series defines the network; this part defines what a networked appliance has to be, so that a device from one manufacturer and a controller from another can be put in the same house with some expectation of them working together. It specifies the requirements for home and similar electrical appliances acting as home network terminal devices, covering their functions and performance, their hardware and software interfaces, safety, and the marking and product numbering by which they are identified on the network. It applies to household and similar electrical appliances used in networks in domestic and similar indoor locations. Classified under ICS 33.040.40 and CCS L78, it is aimed at appliance manufacturers, the makers of home gateways and controllers, and the certification bodies that have to judge whether an appliance advertised as connected actually meets a defined specification.

This section GB/T 30246 specifies the home network terminal equipment for household and similar electrical appliances (hereinafter referred to as network appliances) through With the requirements of such products as well as functionality, performance, hardware and software interfaces, security, logo, product number and other technical specifications. This section applies to household and similar electrical appliances for household and similar indoor locations used in the network.

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.

GB 4343.1 electromagnetic appliances, electric tools and similar apparatus compatible with the requirements of Part 1. Emission

GB 4343.2 household appliances, electric tools and similar appliances electromagnetic compatibility requirements of Part 2. Immunity

GB 4706 (all parts) Household and similar electrical appliances - Safety

GB 4943 Safety of Information Technology Equipment

GB 7000 (all parts) Lamps Radio disturbance characteristics - Limits and methods of measurement

GB 9254 information technology equipment

GB 11714-1997 Rules for the National Organization Code

GB/T 17618 Information technology equipment - Immunity characteristics - Limits and methods of measurement

GB 17625.1 Electromagnetic Compatibility Limits for harmonic current emissions (equipment input current $\leq 16\text{A}$) Equipment

GB 17625.2 Electromagnetic compatibility limits of the rated current per phase $\leq 16\text{A}$ and unconditional access in public low-voltage power supply system Limit voltage generated in the system, voltage fluctuations and flicker GB /Z17625.5-2008 Electromagnetic compatibility Limits high voltage power system Assessment of emission limits for fluctuating loads

GB/T 17626.3 electromagnetic compatibility test and measurement technology RFEMS test

GB/T 17626.4 Electromagnetic compatibility Testing and measurement techniques - Electrical fast transient burst immunity test

GB/T 17626.6 Electromagnetic compatibility Testing and measurement techniques Immunity to conducted disturbances induced field Limits and methods of measurement of radio disturbance characteristics of

3 Terms, definitions and abbreviations

3.1 Terms and Definitions The following terms and definitions apply to this document.