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

**GB/T 21642.4-2012**

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**Technical requirements for IP video conference system devices  
- Part 4: Gatekeeper**

基于IP网络的视讯会议系统设备技术要求 第4部分：网守（GK）

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## Foreword

GB/T 21642 "IP-based video conferencing system equipment technical requirements" is divided into four sections.

--- Part 1. Multipoint Controller (MC);

--- Part 2. Multi-Processor (MP);

--- Part 3. Multipoint Control Unit (MCU);

--- Part 4. Gatekeeper (GK). This is Part 4 GB/T 21642 in. Rules in this section in accordance with GB/T 1.1-2009 given draft. This part is proposed by the Ministry of Industry and Information Technology of the People's Republic of China. This part of the jurisdiction of the China Communications Standards Association. This section drafted by: Ministry of Industry and Information Technology and Telecommunications Research Institute, ZTE Corporation, Huawei Technologies Co., seashells Seoul Limited. This section drafters. Sun Mingjun, Zhang Hengsheng, Guo Liang, Yang Kun, Wu Yongming, Sun Zhibin, Zhang Qing. IP-based video conferencing systems network equipment Technical requirements Part 4. Gatekeeper (GK)

## 1 Scope

GB/T 21642.4-2012 is the Chinese national standard on technical requirements for ip video conference system devices - part 4: gatekeeper, in the field of telecommunications and audio-video engineering. 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 29 June 2012 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 October 2012. Classification: ICS 33.040.40, CCS M32. 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 section GB/T 21642 specifies the functional requirements of IP video conferencing gatekeeper devices, interface requirements, performance requirements, the agreement should Demand, traffic flow, addressing and naming, billing requirements, operation and maintenance management requirements, environmental requirements, and power requirements. This section applies to IP video conferencing gatekeeper device.

## 2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) used in the present document.

YD/T1096-2009 Technical requirements router edge router YD/T1097-2009 router equipment specification Core Router ITU-T H.225.0 packaged packet-based multimedia communication systems call signaling protocols and media stream (Media stream packetization and synchronization on non-guaranteed quality of service LANs) Security & Encryption ITU-T H.235 H-series (H.323 and other based on H.245) multimedia terminals (Security and encryption for H-Series (H.323 and other H.245-based) multimedia terminals) ITU-T H.245 Control Protocol (Control protocol for multimedia communication) multimedia communication ITU-T H.323 packet-based multimedia communication system (Packet-based multimedia communication systems)

## 3 Terms and definitions, abbreviations

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

3.1.1 Video conferencing business videoconferencing service Using images, voice compression technology, the use of video conferencing systems and digital communication transmission circuit, real-time transmission activity between two or more points Image, voice, application data (whiteboard, graphics) information in the form of traffic.

3.1.2 IP video conferencing business IP videoconferencing service IP protocol are used to-end multi-point video conferencing service that the conference system in all terminals support TCP/IP protocol, this section Especially in the terminal support ITU-T H.323 terminals.

3.1.3 Gatekeeper Gatekeeper A functional entity in the network to provide address translation. Network access control, bandwidth management meeting resource scheduling.

3.1.4 Multi-point controller multipoint controller A network functional entity to provide a plurality of control members to participate in a multipoint conference between. MC can provide between all terminals