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PEOPLE'S REPUBLIC OF CHINA**

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**Multimedia delivery service via IPv4/IPv6 protocol-Part 1:
Technical requirements on IPTV content transmission platform
and terminal devices**

基于IPv4/IPv6的多媒体分发业务 第1部分：IPTV内容传输平台及终端技术要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is Part 1 of GB/T 44600 "Multimedia Distribution Services Based on IPv4/IPv6". GB/T 44600 has been published The following parts.

- Part 1: Technical requirements for IPTV content transmission platform and terminals;
- Part 2: Technical requirements for Internet TV content transmission platforms and terminals.

Please note that some of the contents of this document may involve patents. The issuing

organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

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Introduction

According to the Notice on Accelerating the Large-Scale Deployment and Application of Internet Protocol Version 6 (IPv6), in order to accelerate the improvement of government application In order to create, expand industry integrated applications, promote the large-scale deployment of IPv6 and standardize application innovation results, China has formulated a series of IPv6 application standards.

Among them, GB/T 44600 "Multimedia Distribution Services Based on IPv4/IPv6" is formulated to standardize the IPv6 deployment of multimedia distribution services.

The standard is proposed to consist of two parts.

- Part 1: Technical requirements for IPTV content transmission platform and terminals. The purpose is to support IPv4/IPv6 dual stack for IPTV services Technology will promote the improvement of IPv6 application level.
- Part 2: Internet TV content transmission platform and terminal technical requirements. The purpose is to support Internet TV services IPv4/IPv6 dual stack technology promotes the improvement of IPv6 application level.

Multimedia distribution services based on IPv4/IPv6 Part 1: IPTV content transmission platform and terminal Technical requirements

1 Scope

This document specifies the technical requirements for IPTV multimedia distribution services to support IPv4/IPv6 dual stack, including IPTV content transmission platform, Functional requirements of terminals and basic business processes.

This document is applicable to the upgrade, transformation, deployment, operation and maintenance of IPv6 evolution of IPTV content transmission platforms and IPTV terminals. manage.

2 Normative references

GB/T 38826

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 [Source. ITU-TY 1901(2009),3.2.15]

Multimedia services (such as TV/video/audio/text/graphics/data) provided on IP networks are used to achieve the required QoS/QoE, Security, interoperability and reliability.

3.2 end user

The actual users of the product or business.

[Source. ITU-TY 1910(2008),3.2.4]