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**INDUSTRY STANDARD OF THE
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**Technical specification of multimedia communication services
system to tobacco industry
(English Translation)**

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Foreword

Appendix A and Appendix B of this standard are informative annexes.

This standard was proposed by the State Tobacco Monopoly Bureau.

This standard is under the jurisdiction of the Information Subcommittee of the National Tobacco Standardization Technical Committee (TC144/SC7).

This standard was drafted. National Tobacco Monopoly Bureau Tobacco Economic Information Center, Beijing Lianxin Yongyi Information Technology Co., Ltd.

Introduction

The tobacco industry has built a tobacco industry information and communication network covering the whole industry with the industry's ground communication backbone network as the core.

The Grass Monopoly Bureau (hereinafter referred to as the National Bureau) and its subordinate units have also basically built a local area network, and the ground network system base for interoperability in the industry.

This formation. The industry ground communication backbone network and the national bureau and provincial unit LAN constitute the bearer network for the multimedia business of the tobacco industry.

The multimedia communication service system of the tobacco industry includes video conferencing, IP telephony, and distance learning. Video conferencing business can Provide fast and convenient communication methods in the tobacco industry, while saving costs and saving time; IP telephony services can enable tobacco companies to High office efficiency and communication cost savings; distance learning system is mainly used for remote training and video resources remotely within the tobacco industry Play.

The tobacco industry multimedia communication service system follows the following

principles in technical design.

(1) Practicality

The design of the entire business system fully reflects the practicality of the system, which requires both advanced technology and economically acceptable conditions.

The demand for multimedia applications in the tobacco industry, to avoid excessive investment in the technology environment.

(2) Security

The security of the multimedia communication service system should be guaranteed to prevent illegal attacks and access by illegal users.

(3) Reliability

Highly reliable network platforms, hardware platforms and software systems should be used to ensure the reliability of the entire system.

(4) Advanced

Designing multimedia communication service systems using advanced design ideas and IP technologies, and with existing or foreseeable future the equipment that can be used is compatible.

(5) Openness

The open, industry-standard multimedia communications service products should be used to simplify management, maintenance and upgrade functions. Network hardware the environment, communication environment, and software environment are independent of each other, and they are self-contained platforms, and mutual dependence should be minimized. Ensure new systems and new systems Interoperability with legacy systems.

(6) Scalability

Should have strong expansion capabilities to meet the needs of existing business and future business development.

Tobacco industry multimedia communication business System technical specification

1 Scope

This standard specifies the overall framework and hierarchical structure of the multimedia communication service system in the tobacco industry, and provides video conferencing and IP for the tobacco industry.

Technical requirements for telephone and distance learning services.

This standard applies to the planning, equipment bidding, and equipment of the multimedia

communication service system (hereinafter referred to as the multimedia communication service system) of the tobacco industry.

Process design and business implementation.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study is it possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

YD5033-1997 Video Conference System Engineering Acceptance Specification ITU-TE. 164 ISDN era numbering plan ITU-TG. 711 voice frequency modulation pulse code modulation ITU-TG. 723.1 Two-tone coding for multimedia communication at rates of 5.3 Kbit/s and 6.3 Kbit/s ITU-TG. 729 8Kbit/s speech coding using conjugate structure to represent digital line prediction excitation ITU-TH. 221 Frame structure of 64 to 1920 Kbit/s path in audio and video user terminal service ITU-TH. 222.0 Information Technology - Generic Coding of Moving Pictures and Related Audio Information. System ITU-TH. 223 multiplex protocol for low bit rate multimedia communication ITU-TH. 225.0-2000 Packet signaling protocol and packet packing of media streams for packet-based multimedia communication systems ITU-TH. Security and encryption of 235 H-series (H.323 and other H.245-based) multimedia terminals ITU-TH. 239 H. Role management and additional media channels for 300 Series terminals ITU-TH. 242 System for establishing communication between audiovisual terminals using a digital channel within 2 Mbit/s ITU-TH. 243 Use of a digital channel within 1920 Kbit/s to establish communication between three or more audiovisual terminals Procedure ITU-TH. 245-2001 Control Protocol for Multimedia Communication ITU-TH. Video coding of 261 P64Kbit/s audiovisual service ITU-TH. 263 low rate video coding ITU-TH. 264 Advanced Video Coding for Audiovisual Services ITU-TH. 281 uses based on H. Remote camera control protocol for the 224 protocol video conference ITU-TH. 323-2000 Packet-based multimedia communication system ITU-TH. 320 narrowband videophone system and terminal equipment ITU-TT. 38 Procedure for real-time three-class fax communication over IP networks RFC3261 Session Initiation Protocol (SIP) RFC3550 Real-Time Application Transport Protocol (RTP/RTCP)

3 Terms, definitions and abbreviations

The following terms, definitions and abbreviations apply to this standard.