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

GB 12641-2007

Replacing GB 12641-1990

**Safety requirements for handling and operation of audiovisual
teaching equipment and systems**

教学视听设备及系统维护与操作的安全要求

(English Translation)

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Foreword

The full technical content of this standard is mandatory.

This standard is modified by IEC 60574-7:1987 "Audio, video and television equipment and systems - Part 7. Safety dimensions of audiovisual equipment Protection and Operation" (English version).

For ease of use, the following modifications have been made to this standard for IEC 60574-7:1987, the main differences are as follows.

- Modified the format according to Chinese habits;
- Change the expression of international standards to the expression applicable to Chinese standards;
- Added Chapter 2 "Regulatory References" and Chapter 3 "Terms and Definitions";
- According to the scope of the IEC original text, the standard name "security of audio-visual, video and television equipment and system maintenance and operation "to seek" "to the safety requirements of teaching audio-visual equipment and system maintenance and operation";
- Replace the IEC standard in Appendix A with the corresponding latest national standard.

This standard has been modified to adopt IEC 60574-7, and some technical differences have been made, and the revised clauses and new additions have been made.

The margins behind the paragraph are marked with a vertical single line.

This standard replaces GB 12641-1990 "Safety requirements for the maintenance and operation of audiovisual, video and television equipment and systems".

The main differences between this standard and GB 12641-1990 are as follows.

- Added "preface" and "introduction";

- Expanded the "scope of application" of this standard (Chapter 1 of this edition);
- Added the importance of "maintenance and operation according to product instruction manual" (5.9, 6.12, 7.19, 8.8, 9.18, 10.4 of this edition).

Appendix A of this standard is a normative appendix.

This standard is proposed and managed by the National Audio, Video and Multimedia Systems and Equipment Standardization Technical Committee.

This standard is mainly drafted by. China Electronics Technology Group Corporation Third Institute, Beijing Honghe Century Technology Co., Ltd., Beijing Zhongjiao Technology Co., Ltd., Anhui Guofeng Education Technology Equipment Co., Ltd.

Introduction

In the past ten years, teaching audio-visual equipment and systems have developed rapidly and varieties have increased. In addition, many teaching audio-visual equipment and systems have been the audio-visual halls and electric classrooms are responsible for the use of special personnel, and they are developed to enter each classroom; it is followed by changes in users and contacts.

They may be teachers and students of primary and secondary schools without any common sense of electricity. Therefore, the safety requirements for system maintenance and operation become especially important.

GB 12641-1990 is equivalent to IEC 60574-7:1987. The IEC standard was promulgated 15 years ago and has been far behind the current stage.

The actual needs of electrified teaching equipment and systems. This standard is the first revision of GB 12641-1990. The main revisions are as mentioned in the introduction.

Said.

This standard is currently the only standard in China that regulates the security of the entire audiovisual system.

Teaching audio-visual equipment and systems Safety requirements for maintenance and operation

1 Scope

This standard specifies the safety requirements for the maintenance and operation of teaching audio-visual equipment and systems.

This standard applies to the safe maintenance and operation of audiovisual, video and television equipment and systems widely used in the teaching and audiovisual field. Its purpose in order to enable contact and operation of audio-visual equipment, it can be

followed in education or training so that appropriate protective measures can be taken to ensure Safety.

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 it is possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

GB 2893-2001 security color (neq ISO 3864. 1984) GB 2894-1996 Safety Mark (neq ISO 3864. 1984) GB 4943-2001 Security of information technology equipment (idt IEC 60950:1999) GB 5296.1-1997 General instructions for the use of consumer goods GB 5296.2-1999 Instructions for use of consumer goods Instructions for use of household and similar electrical appliances GB/T 7450-1987 Guidelines for lightning protection of electronic equipment GB 7947-1997 Color or digital identification of conductors (idt IEC 60446:1989) GB 8898-2001 Safety requirements for audio, video and similar electronic equipment (eqv IEC 60065:1998) GB 9969.1-1998 General guidelines for the use of industrial products GB/T 50311-2000 Architectural and building complex cabling system engineering design specification GB/T 5465.2-1996 Graphical symbols for electrical equipment (idt IEC 60417:1994) GB/T 9002-1996 Vocabulary for audio, video and audiovisual equipment and systems (neq IEC 60574-2.1992) GB/T 13433-1992 Product safety requirements for child safety JY/T 0363-2002 Video Visualizer ISO/IEC 11801:1995 Information technology user general wiring system

3 Terms and definitions

The following terms and definitions apply to this standard.

Apparatus and systems for the ingestion, reception, recording, processing, transmission, amplification and multimedia playback of sound or images, including their supplements Help.

The specific definition of these devices should be in accordance with GB/T 9002.

Condensation on the surface of an object due to sudden changes in temperature.