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**Requirements for audio-visual technology in informationized
teaching environment**

信息化教学环境视听技术要求

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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.

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.

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Requirements for audio-visual technology in information-based teaching environment

1 Scope

This document specifies the visual technical requirements for information-based teaching environments and the auditory technical requirements for information-based teaching environments.

This document is applicable to the selection of audio-visual products, environmental design and system integration for information-based teaching environments in teaching institutions, enterprises, community organizations, etc.

2 Normative references

GB/T 5700

GB 7000.1

GB/T 20145-2006

GB/T 28049-2011

GB/T 36447-2018

GB/T 44441-2024

GB 50099

GB 50303-2015

3 Terms and definitions

The terms and definitions defined in GB/T 5700, GB 7000.1 and the following apply to this document.

3.1

A combination of physical space and information space (equipment or system) related to teaching (experiments), scientific research, academic exchanges and other activities.

Note. The form of expression can be one or more independent physical spaces, virtual spaces, or a combination of physical spaces and virtual spaces.

3.2

An indicator parameter for measuring the speech clarity (intelligibility) of a sound reinforcement system.

Note. The speech intelligibility index is rated on a scale of 0 to 1; 1 represents perfect speech transmission and 0 represents completely unclear speech transmission.

3.3

An independent, detachable physical space used for live teaching, non-real-time recording and courseware recording.

3.4

Technology used to eliminate echo and howling during local sound reinforcement and remote interaction.

3.5

Objective parameters for evaluating echo cancellation capabilities in local sound reinforcement and remote interaction.

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