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

GB/T 42758-2023

Advanced sound system for programme production

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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 modified to adopt ITU-RBS:2051-3:2022 "Advanced Sound System for Program Production": The file type is established by the ITU's

The protocol is adjusted to the recommended national standard of our country:

Compared with ITU-RBS:2051-3:2022, this document has more structural adjustments:
Structure number change comparison between two files

See Appendix A for a list:

The technical differences between this document and ITU-RBS:2051-3:2022 and their reasons are as follows:

---Changed the expression of "scope", and supplemented the scope of application of the document (see Chapter 1), in order to meet the requirements of our country's standard preparation;

--- The chapter "Terms and Definitions" (see Chapter 3) has been added to meet the requirements for writing Chinese standards;

--- The chapter "Abbreviations" (see Chapter 4) has been added to meet the requirements for writing Chinese standards;

---Change the references of Table 1 and Table 2 to required clauses (see Table 1 and Table 2):

The following editorial changes have been made to this document:

--- In Table 1 and Table 14, the description of the symbol "X" in the table is added;

--- Changed the expression of Note 1 in Table 1;

--- Added references:

Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents:

This document was proposed by the State Administration of Radio and Television:

This document is under the jurisdiction of the National Radio, Film and Television Standardization Technical Committee (SAC/TC239):

1 Scope

This document specifies essential parameter values for advanced sound systems used in program production:

This document is applicable to the production of sound programs, as well as the design, production, acceptance, operation and maintenance of advanced sound systems and equipment:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document:

ITU-RBS:1909 Performance requirements for advanced multi-channel stereophonic systems with or without accompanying pictures (Performancere-
nying picture)

3 Terms and Definitions

The following terms and definitions apply to this document:

3:1

advanced sound system advancedsoundssystem

Systems with playback configurations beyond those specified in ITU-RBS:775, or with any support for channel-based, object-based or field-based

A system configured for playback of an input signal of a scene or a combination of such an

input signal and metadata:

4 Abbreviations

The following abbreviations apply to this document:

Hi-Fi High Fidelity (High Fidelity)

HOA Higher-Order Ambisonics

LFE Low-Frequency Effects (Low-Frequency Effects)

Lsc left screen (LeftScreen)

Rsc Right Screen (RightScreen)

5 Overview

This document specifies an advanced sound system that can carry static or dynamic program metadata associated with an audio stream: this