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PEOPLE'S REPUBLIC OF CHINA**

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**The method of the subjective assessment of sound quality for
the professional sound equipment used for performing arts
(English Translation)**

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Table of Contents

Preface	
1 Scope	
2 Normative references	
3 Terms and definitions	
4 Sound quality evaluation words	
5 Evaluation of program sources	
5.1 General provisions	
5.2 Program production	
5.3 Basic types of programs	
5.4 Typical program	
6 Listening environment	
6.1 General provisions	
6.2 Room size	
6.3 Reverberation time	
6.4 Noise floor	
6.5 Environmental conditions	
6.6 Position of the speaker system	
6.7 The position of the listener	
6.8 Listening sound level	
7 Listener	
7.1 Requirements for listeners	
7.2 Composition of the listening group	
7.3 Number of people in the listening group	
7.4 Working hours of listeners	
7.5 Preparatory work for listeners	
8 Scoring method and evaluation scale	
8.1 Selection of scoring method	
8.2 Rating method	
8.3 Pairwise comparison method	
8.4 Reliability analysis	
8.5 Effectiveness analysis	
9 Auxiliary equipment in evaluation test	

- 9.1 General provisions
- 9.2 Auxiliary equipment for microphone evaluation
- 9.3 Auxiliary equipment for speaker system evaluation
- 9.4 Auxiliary equipment for power amplifier evaluation
- 9.5 Auxiliary equipment during evaluation of other equipment
- 10 Report of evaluation results
- Appendix A (informative appendix) Scale composition method of rating method
- Appendix B (informative appendix) The yardstick composition method of the pairwise comparison method

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

Certain contents of this document may involve patents. The issuing agency of this document is not responsible for identifying these patents.

This standard was proposed by the Ministry of Culture and Tourism of the People's Republic of China.

This standard is under the jurisdiction of the National Theater Standardization Technical Committee (SAC/TC388).

The organization responsible for drafting this standard. Performance Venue Equipment Professional Committee of China Performing Arts Equipment Technology Association.

Participated in the drafting of this standard. Communication University of China, Beijing 797 Audio Co., Ltd., Guangzhou Ruifeng Audio Technology Co., Ltd.

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1 Scope

This standard specifies the sound quality evaluation words, evaluation program sources, listening environment, listeners, and commentators for subjective evaluation of the sound quality of professional audio equipment for performances.

The price method and evaluation scale, the auxiliary equipment in the evaluation test and the evaluation result report are put forward.

This standard is applicable to the subjective sound quality of various professional audio equipment in the sound reinforcement system for various professional performance venues under the specified environment Evaluation. This standard is also applicable to the subjective evaluation of the sound quality of different samples of the same type of equipment designed by the same manufacturer and those designed by different manufacturers.

The sound quality rating of the same type of equipment.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB 3095 Ambient Air Quality Standard GB/T 4854.1-2004 Acoustic calibration of reference zero level of audiometry equipment-Part 1: Equivalent threshold sound pressure level of pure tone reference for earphones GB/T 10240-1988 Specification for editing and production of program sources for subjective evaluation of sound quality of electroacoustic products GB/T 18883 Indoor Air Quality Standard GB/T 51091 Technical Code for Audition Room Engineering GSB16-3451 Program source standard sample for subjective evaluation of sound quality

3 Terms and definitions

The following terms and definitions apply to this document.

sound

Tones are sounds, and loud is to make sounds. The process of sound generation, transmission, processing, and hearing effects involves electroacoustics, architectural acoustics, Contents of music acoustics, psychoacoustics, physiological acoustics, etc.

[WH/T 57-2013, definition 2.1.1] Note. "Sound" is usually used as the abbreviation for sound reinforcement equipment, sound reinforcement system or sound reinforcement effect.

Audio equipment

Equipment used for picking up, recording or restoring, processing, and amplifying sound signals.

[WH/T 57-2013, definition 2.1.4] 3.3 Sound quality Sound quality. Sound is a psychological quantity determined by the mind through human hearing.

[WH/T 57-2013, definition 2.2.4]