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

GB/T 1251.1-2008

Replacing GB 1251.1-1989

**Ergonomics -- Danger signals for public and work areas --
Auditory danger**

人类工效学 公共场所和工作区域的险情信号 险情听觉信号

(English Translation)

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Table of Contents

- Preface
- Introduction
- 1 Scope
- 2 Normative references
- 3 Terms, definitions and symbols
- 4 Safety Requirements
 - 4.1 Overview
 - 4.2 Recognition
 - Review 4.3 signal
 - 4.4 Danger signal maximum sound level of the recommended
- 5 Test Method
 - 5.1 Measuring Instruments
 - 5.2 Objective acoustic measurements
 - 5.3 Subjective Measurement Method

Foreword

GB/T 1251 is divided into three parts.

- Part 1. Ergonomics danger signals - Auditory danger signals in public places and work areas;
- Part 2. Ergonomics - Visual danger signals - General requirements, design and testing;
- Part 3. Visual Ergonomics danger signal system and information.

This part of GB/T 1251 Part 1.

This part identical with ISO 7731:2003 "Ergonomics public places and work areas - Auditory danger signal danger signal" (In English), and in accordance with ISO 7731:2003 Translation drafted.

This Part replaces GB 1251.1-1989 "auditory danger signal danger signal in the workplace." And GB 1251.1-1989 phase Than some of the major changes in the following.

- Original standard GB 1251.1-1989 equivalent to ISO 7731. 1986, this part identical with ISO 7731:2003;
- This part of the name is changed to "Ergonomics public places and work areas -

Auditory danger signal danger signal";

--- Increased directory, foreword and introduction;

Chapter 3 --- increased auditory emergency signal, octave, 1/3-octave (fractional-octave-band filter), reverberation time, spectral components 5 terms and definitions;

--- Chapter 4, the structure and content of Chapter 5, Chapter 6 has been adjusted;

--- Original Standard Appendix A Appendix adjustment based part D;

--- Added Appendix A, Appendix B and Appendix C.

This section of the Appendix A, Appendix B, Appendix C is normative appendix, Appendix D is an informative annex.

This part of the National Standardization Technical Committee on Ergonomics of human and centralized.

This section drafted by. China National Institute of Standardization, Institute of Acoustics, Chinese Academy of Sciences Institute of Psychology, Air Force Aviation Medicine Institute.

Introduction

This section provides guidelines for the recognition of auditory signals danger, especially in the case of high background noise. This section contains a variety of Auditory danger signals, text by "danger signal" to refer to the emergency signals and warning signals (see Table 1).

Also it relates to the following national standards Auditory danger signals.

--- GB/T 12800 in the emergency evacuation signal;

--- GB/T 1251.3 in danger auditory and visual signals.

Table 1 shows the various types of danger signals and reaction when they hear these signals need to make.

Should be noted, GB/T 1251.3 danger signal type in more detail.

Table 1 Danger Signal Type

The reaction danger signal type need to make Auditory emergency evacuation signal immediately leave the danger zone Auditory emergency signal for urgent action to seek aid Auditory warning signals or prepared to take preventive measures Design appropriate danger signals can effectively prompt attention to hazards or hazardous environments (even in the case of wearing ear protectors), and will not Cause panic.

GB/T 1251.1-2008/ISO 7731:2003 Ergonomics public places and work areas Auditory

danger signal danger signal

1 Scope

This section GB/T 1251 specifies the signal reception areas in public places and work areas, and physical danger signal design principles, Ergonomic requirements and corresponding test methods, and gives the signal design guidelines. This section can also be used in other appropriate environments.

Should pay attention to the emergency audible signal, auditory emergency evacuation signal and an auditory warning signal differences and connections between. Emergency evacuation signal GB/T 12800 in the appropriate elaboration.

This section does not apply to verbal danger warnings (for example, shouting, speaker, broadcast, etc.). Danger signals corresponding speech in the ISO 9921 Elaboration.

Specific regulations, public disaster and public transport and other aspects of the present without some restrictions.

2 Normative references

The following documents contain provisions which, through reference to GB/T 1251 to the present, constitute provisions of this section. For dated references, all subsequent amendments (excluding corrections) or revisions do not apply to this section, however, encourage an agreement under this section Parties to study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 3241-1998 octave band and fractional octave filters (eqv IEC 61260:1995)

3 Terms, definitions and symbols

The following terms and definitions apply to this section.

Note: The symbols defined in Appendix A.

Sound signal reception in all areas, non-dangerous signal generator.

According to the urgency of the danger and possible injury to people caused by auditory danger signal into auditory emergency signal, auditory emergency evacuation Three warning signals and an audible signal.

3.2.1

Flag signal danger began. If necessary, further comprising a sustained and marked the termination signal danger.

3.2.2

Flag has begun or is taking place and is likely to cause injury to signal an emergency, this signal indicates that people in the manner determined Immediately leave the danger zone.

Note: GB/T 12800 mainly describes the emergency evacuation audible signal.

3.2.3

Flag imminent or is occurring, we need to take appropriate measures to eliminate or control the risk of danger signals.

NOTE: Warning auditory signals can also provide people to take action or measure information.

GB/T 1251.1-2008/ISO 7731:2003