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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 41175-2021

Assistive products for persons with vision impairments and persons with vision and hearing impairments - Acoustic and tactile signals for pedestrian traffic lights

视力障碍者和视听障碍者用辅助器具 行人交通信号灯的声音和触觉信号

(English Translation)

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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 of Standardization Documents" drafted:

This document is equivalent to ISO 23600:2007 "Sounds of pedestrian traffic lights with assistive devices for visually impaired and hearing-impaired persons" and Haptic Signals:

This document adds a chapter "Normative References":

Please note that some content of this document may be patented: The issuing agency of this document assumes no responsibility for identifying patents:

1 Scope

This document specifies the audio and tactile signals of pedestrian traffic lights required for the safe and independent walking of persons with visual impairment and hearing impairment:

Require:

This document applies to the design, installation and operation of audible and haptic signals for pedestrian traffic lights:

This document does not apply to electromagnetic compatibility (EMC), electrical safety and operating conditions:

Note: Operating conditions are affected by climate, vibration or other environmental factors:

2 Normative references

There are no normative references in this document:

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3 Terms and Definitions

The following terms and definitions apply to this document:

Visually impaired personswithvisionimpairments Blind or low vision person:

Visually impaired personswithvisionandhearingimpairments Blind or low vision persons with deafness or hearing loss:

acousticorientationsignal Sounds that enable visually impaired persons to identify and locate the presence of button boxes and/or sidewalks:

walkinitiationperiod the signal indicates the time period during which pedestrians can begin to cross the crosswalk:

prohibitedwalkinitiationperiod the signal indicates the time period during which pedestrians may not enter the crosswalk:

Note: The starting period of the prohibition includes two situations: one is that after the starting period, pedestrians who are still on the crosswalk can continue to walk; the other is that, Pedestrians are prohibited from entering the crosswalk:

acousticwalkinitiationsignal A sound indicating the beginning of passage for the visually impaired:

tactilewalkinitiationsignal A vibrating or rotating device that indicates the onset of passage for the visually impaired and the hearing-impaired:

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