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**NATIONAL STANDARD OF THE
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Electrotechnical terminology -- Ultrasonic

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Foreword

This section GB/T 2900 Part 88.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method is equivalent to using the International Electrotechnical Commission standard IEC 60050-802.2010 "International Electrotechnical Vocabulary ultrasonics."

This section, the term item number and IEC 60050-802.2010 consistent.

This part of the National Electrotechnical Terminology Standardization Technical Committee (SAC/TC232) and focal points.

This section is drafted. the machine Productivity Promotion Center, Institute of Acoustics, China Shipbuilding Industry Corporation seventh fifteen

graduate School.

1 Scope

This section GB/T 2900 specifies the electrician terms used terms and definitions ultrasonics.

This section applies to disciplines and technical fields related to the ultrasound.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein

Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 20249-2006 Acoustics focused ultrasound transducer definitions and methods of measurement transducers launch site characteristics (IEC 61828.2001, IDT)

IEC 108.2006 IEC publication to ensure consistency with the guidelines for cross-sectoral industry standard application

IEC 61689.2007 ultrasound therapy system 0.5MHz to 5MHz technical requirements and methods of measurement in the frequency range of the sound field

IEC 62127-1.2007 ultrasonic hydrophone Part 1. Medical ultrasonic field measurements less than 40MHz and features

3 Terms and Definitions

802-01-01

Ultrasound ultrasound

Frequencies above the audible sound frequency capping (about 20kHz) acoustic oscillations.

802-01-02

Ultrasonic field ultrasoundfield

Elastic medium in the presence of ultrasound area.

Note 1. The sound field reflects the characteristics of the space occupied by acoustic and sonic range itself.

Note 2. The ultrasound frequency is above about 20kHz sound field.

802-01-03

Instantaneous sound pressure instantaneousacousticpressure

$p(t)$

Sound field pressure at a particular moment and a particular point after subtracting the value of the ambient pressure.

802-01-04

Instantaneous particle displacement instantaneousparticledisplacement

Elastic medium, which is located in the beginning particle equilibrium position, the terminal is located to the particle position vector given instant.

802-01-05

Instantaneous particle velocity instantaneousparticlevelocity

Instantaneous particle displacement derivative with respect to time.

802-01-06

Sound pressure pulse square integral pulse-pressure-squaredintegral

ppsi

Sound field at a particular point in time integral squared instantaneous sound pressure along the acoustic pulse waveform.

NOTE. rewrite IEC 62127-1.2007, definitions 3.50.

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