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AMERICAN NATIONAL STANDARD

Methods for Measurement of Impulse Noise

ABSTRACT

This standard describes methods for measurement of impulse noise and presentation of data. Its scope applies to all kinds of impulse noise, whether discrete event sources, such as quarry and mining explosions or sonic booms, or from multiple event sources such as pile drivers, riveting, or machine-gun firing, but not to sounds from other sources which have specific measurement standards based on the general methods for measurement of quasisteady noise. Data which may be reported include characteristics of the time variation of the sound pressure, with or without specific frequency weighting, and sound exposure level.

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These standards are developed as a public service to provide standards useful to the public, industry, and consumers, and to Federal, State, and local governments.

This standard was approved by the American National Standards Institute as ANSI S12.7-1986 on 20 February 1986.

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FOREWORD

[This Foreword is for information only, and is not a part of American National Standard Methods for the Measurement of Impulse Noise, S12.7-1986 (ASA Catalog No. 62-1986)]

This standard was developed under the jurisdiction of Accredited Standards Committee S12 using the American National Standards Institute (ANSI) Standards Committee Procedure. The Acoustical Society of America holds the Secretariat for Committee S12.

Accredited Standards Committee S12, under whose jurisdiction this standard was developed, has the following scope:

Standards, specifications, and terminology in the field of acoustical noise pertaining to methods of measurement, evaluation, and control; including biological safety, tolerance and comfort, and physical acoustics as related to environment and occupational noise.

At the time this standard was submitted to Accredited Standards Committee S12 for approval, the membership consisted of:

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FOREWORD

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Suggestions for improvement of this standard will be welcomed. They should be sent to the Standards Secretariat, Acoustical Society of America, 335 East 45th Street, New York, NY 10017.

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