



Acoustical Society of America

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STANDARDS SECRETARIAT

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News Release

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New American National Standard published: "Quantities and Procedures for Description and Measurement of Underwater Sound from Ships- Part 1: General Requirements"

First Non-Military Standard for Vessel Underwater Noise Measurement

(December 22, 2009) The Acoustical Society of America (ASA) announced the publication of a new, voluntary consensus standard for the measurement of underwater noise from ships. The new standard is known as ANSI/ASA S12.64-2009/Part 1, "*American National Standard Quantities and Procedures for Description and Measurement of Underwater Sound from Ships- Part 1: General Requirements*".

The standard was developed by the S12/Working Group 47 and approved by ANSI-Accredited Standards Committee (ASC) S12, Noise, under operating procedures accredited by the American National Standards Institute (ANSI). These procedures assure that the Standard represents the consensus of opinion among those with a direct and material interest in the subject matter.

It is the first ASC S12 noise standard concerned with underwater sound and it is the first known civilian standard in the world for measuring the underwater sound from ships. The standard details requirements for instrumentation, measurement procedure, and data post-processing necessary to quantify a ship's underwater radiated noise level referenced to a normalized distance of 1 meter.

The standard describes three measurement grades denoted A, B and C. Grade A is the precision method intended for contract requirement conformance testing. Grade B is an engineering method which can be used for less critical contract requirements and/or periodic assessments. Grade C is a survey method which can be used for periodic assessments and "quick-look" tests.

S12/Working Group 47 is chaired by Michael Bahtarian of Noise Control Engineering, Inc., and its membership includes professionals from government, academia and industry from the US, Canada, the United Kingdom, Netherlands and Australia.

ANSI/ASA S12.64-2009 is priced at \$120.00. This standard and many other national and international standards can be obtained in PDF format from the Acoustical Society of America Online Store at: <<http://asa.aip.org>>.

Standards may also be ordered by phone, fax or mail from: Acoustical Society of America, 35 Pinelawn Road, Suite 114E, Melville NY 11747-3177, Phone: 631-390-0215 Fax: 631-390-0217, Email: <asastds@aip.org>.

ASA offers the full catalog of **ISO/TC108 Mechanical vibration, shock and condition monitoring, ISO/TC43 Acoustics, ISO/TC 43/SC 1 Noise**, and **IEC/TC29 Electroacoustics** standards, as well as a wide range of **American National Standards** on the topics of **Acoustics, Mechanical Vibration and Shock, Bioacoustics**, and **Noise**.

The American National Standards Institute, Inc. (ANSI) is the national coordinator of voluntary standards development and the clearinghouse in the USA for information on national and international standards.

The Acoustical Society of America is a nonprofit organization founded in 1929. It is the premier international scientific society in acoustics, dedicated to increasing and diffusing the knowledge of acoustics and promoting its practical applications.