



Acoustical Society of America

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STANDARDS SECRETARIAT

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New standard on noise from shipboard equipment published

(May 2009) The Acoustical Society of America announced the recent publication of **ANSI/ASA S12.67-2008 American National Standard Pre-Installation Airborne Sound Measurements and Acceptance Criteria of Shipboard Equipment**.

This new American National Standard provides for the identification and assessment of acoustic issues related to shipboard equipment before it is actually delivered and installed onboard the ship. This standard may be used to help achieve shipboard noise goals through timely and affordable airborne noise testing.

This standard will be valuable for anyone purchasing, assembling, or producing equipment which is destined for shipboard use. Since the acoustic environment onboard the ship can effect the cost, mission, safety, and health of the ship and it's crew, this standard will also be useful to shipping companies, military organizations owning or operating ships, maritime unions, hearing conservation professionals, acoustical consultants, regulatory agencies, and businesses owning or operating the ships.

This standard provides information to the shipbuilder for the proper selection and installation of equipment and for adequate acoustic design of shipboard spaces and areas. It may be used in ship acquisition programs:

- To separate individual equipment noise from other compartment sources;
- To avoid expensive and time consuming rework of noisy equipment;
- To provide early confirmation of the ship acoustical design;
- To assist in compartment noise predictions.

ANSI/ASA S12.67-2008 details noise measurement procedures and provides noise acceptance criteria for shipboard equipment. These procedures may be useful for the prediction of sound pressure levels in spaces or compartments of the ship where noise exposure of crew members is a concern. The noise criteria are based on nine separate levels of acoustic environments and noise exposures expected onboard typical ships.

This Standard was developed by Accredited Standards Committee S12, Noise, with the assistance of Working Group 40, Measurement of the Noise Aboard Ships, 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. The standard was drafted by a working group comprising experts from all segments of the ship and shipbuilding related acoustical community.

ANSI/ASA S12.67-2008 is priced at \$110.00. This standard and many other national and international noise standards can be obtained 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**, **ISO/TC43**, and **IEC/TC29** 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.