



Acoustical Society of America

OFFICE OF THE
STANDARDS SECRETARIAT

35 Pinelawn Road, Suite 114 E, Melville, NY 11747-3177

Susan Blaeser
Standards Manager

Telephone (631) 390-0215
Fax (631) 390-0217
E-mail asastds@aip.org

REQUEST FOR THE DEVELOPMENT OF A NEW STANDARD

Date: [July 19, 2006](#)

CONTACT INFORMATION FOR PERSON PROPOSING THIS STANDARD:

Name [Michael Bahtiarian](#)

Telephone: [978-670-5339](#)

e-mail: mikeb@noise-control.com

ABOUT THE PROPOSAL

This proposal is for: (check one)

New Standard Revision of Existing Standard

Proposed Title of Standard: [Underwater Noise Measurement of Ships](#)

Proposed Scope of Working Group and/or Standard: [Develop a standard for the measurement of normalized underwater noise levels of ships \(i.e. source levels\) using commercial technology that can be implemented at any ocean site \(i.e. does not require special acoustic underwater range\). The scope will not include development of any underwater noise limits.](#)

Additional keywords not included in title or scope: [research vessels, marine, radiated noise](#)

Does this Standard cover a consumer product or service? [NO](#)

Will an existing Committee/Working Group to undertake this work? [NO](#)

If not, a new Working Group will be needed. Who will chair this WG? [Michael Bahtiarian is volunteering to do so.](#)

Names of WG members, if known: (attach list if necessary) I currently do not have specific names at this time, but would imagine that U.S. Navy, NOAA, National Science Foundation, shipbuilding, naval architecture representatives would be interested.

Estimated date the WG will begin working on this standard: Q4 - 2006

Estimated date this standard will be ready for ballot: Q4 - 2008

JUSTIFICATION & MARKET RELEVANCE

Explain why this standard is needed:

The field of underwater noise of ships has been the exclusive specialty of the Navy. No commercial standard exists for performing underwater noise measurements of ships. Non-navy vessels are looking to be quieter so that they can perform better science or have less "impact" in the ocean. A standard for underwater noise levels of research vessels has been available since 1995 (ICES CRR209), but this standard falls far short of how to actually make the measurements.

Who will use this standard? How large is the potential sales market for this standard?

Any organization procuring or operating quiet ships (i.e. ships that were designed to meet underwater noise requirements such as ICES CRR209) would be interested. Potential sales of such a standard would be in 20's to 100's.

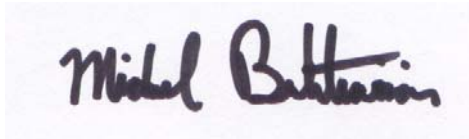
Have you searched existing standards to be sure this will not duplicate existing standards?

Yes, no commercial or public domain standards in U.S or Europe (ISO) exist for the measurement of underwater noise from ships.

Identify related standards, if any: ICES CRR206 which provides the limit for fisheries research vessels.

Identify other organizations that should be invited to participate in this work (liaison)?

International Council for the Exploration of the Seas (ICES), University National Oceanographic Laboratory System (UNOLS), National Science Foundation (NSF), National Oceanic and Atmospheric Administration (NOAA), U.S. Navy (NAVSEA), Society of Naval Architects and Marine Engineers (SNAME) and American Society of Naval Engineers (ASNE).

A handwritten signature in black ink that reads "Michel Balthazar". The signature is written in a cursive, slightly slanted style.

Signature