



# Acoustical Society of America

OFFICE OF THE  
STANDARDS SECRETARIAT

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**S1/663**

Minutes of the annual meeting of Accredited Standards Committee S1, Acoustics,  
held on  
**Wednesday, 28 November 2007**  
New Orleans, LA

## **1. Opening of the meeting**

Mr. Battenberg opened the meeting at 1:30 p.m. and introductions were made. The attendance list is given at the end of this document.

## **2. Approval of the S1 Agenda**

The Agenda (**S1/654**) was approved.

## **3. Approval of the Minutes**

The minutes of the S1 meeting held in Salt Lake City, UT , on 5 June 2007 (**S1/651**) were approved.

## **4. Discussion of S1 activities**

### **a) Discussion on committee activities**

Mr. Battenberg reviewed the S1 Advisory Report dated Nov. 2007 (**S1/655**) noting the standards needing review for reaffirmation, revision or withdrawal in 2008. Because both standards due for consideration have no active WG, the Advisory Group has consulted with experts to obtain recommendations. ANSI S1.14-1998 (R 2003) *American National Standard Recommendations for Specifying and Testing the Susceptibility of Acoustical Instruments to Radiated Radio-Frequency Electromagnetic Fields, 25 MHz to 1 GHz* was recommended for reaffirmation. ANSI S1.20-1988 (R 2003) *American National Standard Procedures for Calibration of Underwater Electroacoustic Transducers* was recommended for revision. Accordingly, ballot **S1/653** was initiated to reconstitute a working group to begin this work. The ballot closed on Nov. 20 and the project was approved. Mr. Drake, the WG Chair, is in the process now of recruiting experts to work on this and anticipates beginning work in the spring. ANSI has granted an extension of time to complete the project.

### **b) Review of working group reports**

Mr. Battenberg reviewed the Summary of S1 WG Reports Nov. 2007 (**S1/656**) and asked WG Chairs who were present to update or elaborate on their reports.

### **S1/WG 1 Standard Microphones and their Calibration – V. Nedzelnitsky**

Mr. Nedzelnitsky's report indicated that the WG would be proceeding by correspondence since some members have been unable to travel recently. Nevertheless he is confident that progress will be made. As soon as the scope of Part 3 of the microphone series is finalized, a PINS form will be submitted to ANSI.

**S1/WG 4 Measurement of Sound Pressure Levels in Air – VACANT**

In an e-mail received shortly before the meeting, Mr. Nobile notified the committee that he is no longer able to serve as WG Chair. He has been actively seeking a replacement for himself as well as new WG members. He has identified some potential members but to date no WG Chair. Mr. Hellweg offered to discuss this with Mr. Dunens. [Secretariat's note: Mr. Dunens is not able to take on this project.]

In regard to the revision of ANSI S1.13, Mr. Nobile stated "As far as the WG itself and the need for an overall revision of ANSI S1.13, I've thought about this a long time, and I feel that we need a larger working group to undertake this revision and we need fresh, new members. In fact, I'd like to see several relatively young members to take a new look at the text and bring to it their relatively modern perspectives." Mr. Battenberg will work with Mr. Nobile to get this WG back on track.

**S1/WG 5 Band Filter Sets – A.H. Marsh**

Mr. Marsh was not present and did not submit any report. Mr. Battenberg noted that the parallel IEC WG is very active.

**S1/WG 17 Sound Level Meters and Integrating Sound Level Meters – B.M. Brooks**

Mr. Brooks reported that his WG is scheduled to meet on Dec. 1. He stated that he had not produced the revised draft as expected but promised to have it later in the month for WG review.

**S1/WG 19 Insertion Loss of Windscreens – A.J. Campanella**

Mr. Campanella was not present and did not submit a report. A WG meeting is scheduled.

**S1/WG 20 Ground Impedance – K. Attenborough**

Mr. Attenborough was not present. His report of slow but steady progress was noted.

**S1/WG 22 Bubble Detection and Cavitation Monitoring – Vacant**

The need for a new Chair for this WG was discussed. The Technical Report was reaffirmed this year. Mr. Battenberg will attempt to identify a new Chair.

**S1/WG 25 Specification for Acoustical Calibrators – P. Battenberg**

Mr. Battenberg recommends making this WG inactive.

**S1/WG 26 High Frequency Calibration of the Pressure Sensitivity of Microphones – A. Zuckerwar**

Mr. Zuckerwar was not present but his report was reviewed. It was noted that this document has been balloted in S1 recently (S1/652) and that ballot closed with two negative votes. Comment resolution is currently underway.

**S1/WG 27 Acoustical Terminology – J. Viperman**

Mr. Viperman was not present but his report was reviewed.

**S1/WG 28 Passive Acoustic Monitoring for Marine Mammal Mitigation for Seismic Surveys – A. Thode**

This WG was transferred to the newly-formed Animal Bioacoustics Subcommittee, S3/SC 1.

**c) Proposals for new projects**

No formal proposals have been received although several new projects have been mentioned.

Mr. Winker suggested forming a working group to develop specification for anechoic and hemi-anechoic chambers. There was some discussion of how this would mesh with the S12.5x series in S12 as well as the new proposal under discussion in S12 on qualification of anechoic and hemi-anechoic chambers for uses other than sound power. Some of the people present felt that Mr. Winker's proposal would be more closely related to instrumentation and should be in S1. Mr. Hellweg asked that the two proposals be considered together to avoid duplication or overlap. The leadership of S12 and S1 will work on this together.

Mr. Roy reported that the Center for the Built Environment at Berkley has surveyed over 300 buildings and found that in most cases only the acoustics have been found to be lacking. He is proposing that TC AA form a standing committee that will work to translate the extensive design knowledge that is available into standards projects that can be forwarded to S12 or S1.

There is the possibility of a proposal from the Biomedical Ultrasound and Bioresponse to Vibration TC on High Intensity Focused Ultrasound.

**d) Working Groups to be disbanded or moved to inactive status**

As noted above, WG 25 will be made inactive.

**e) Working Groups needing new Chairs**

WG 4 and WG 22 need new Chairs.

**5. New business**

Mr. Battenberg asked about the inclusion of an work item on the status report document (S1/657). It is designated as S1.xx-199x and titled Methods for Digital Instruments. It has been on the report for many years but is not associated with any WG. Mr. Peppin explained that it was planned to be the work item associated with the now-disbanded WG 16 FFT Acoustical Analyzers. There was not sufficient interest and no work was ever accomplished. This work item should be deleted from the status report.

It was also noted that the work item designated on this report as S1.45, Passive Acoustic Monitoring for Marine Mammal Mitigation for Seismic Surveys should be deleted from the S1 report because it has been transferred to S3/SC 1.

**6. Future meeting dates**

Mr. Battenberg reported that there will be no S committee meetings in Paris. The next S1 meeting will take place in Miami during the week of November 10, 2008.

**7. Adjournment**

There being no further business to discuss, the meeting was adjourned at 2:40 p.m.

Respectfully submitted,  
Susan Blaeser  
Standards Manager

<b>S1 Attendance</b>	<b>Affiliation</b>	<b>S1 position</b>
Phil Battenberg	Quest	Chair S1 PVR Quest
Rich Peppin	Scantek	Vice Chair S1 PVR Scantek
Susan Blaeser	ASA	Standards Manager
Bennett Brooks	Brooks Acoustics	Chair WG 17
Craig Champlin	Univ. of Texas Chair S3	Guest
David Delaney	Chair S3/SC 1	Guest
Robert Hellweg	Hellweg Acoustics Chair S12, Vice Chair ASACOS	Guest
Victor Nedzelnitsky	NIST	PVR NIST
Kenneth Roy	Armstrong	Guest
Paul Schomer	Schomer and Associates	Chair ASACOS
Barb Schustrich	G.R.A.S.	PVR G.R.A.S.
G. (Randy) Stanley	National Park Service	Guest
Douglas Winker	ETS-Lindgren	Guest
Karl B. Washburn	John Deere	Guest