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OFFICE OF THE
STANDARDS SECRETARIAT

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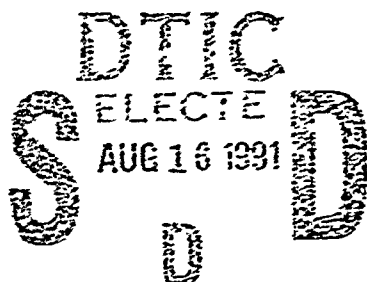
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S12/206



MINUTES

ACCREDITED STANDARDS COMMITTEE ON
NOISE, S12

U.S. TAG FOR ISO/TC43/SC1 NOISE
AND
ISO/TC94/SC12 HEARING PROTECTION

Baltimore, Maryland

This document has been approved
for publication and sale; its
content is maintained.

2 May 1991

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FOR THE U.S. NAVAL RESEARCH LABORATORY

Grant N00014-90-J-2017 plus Modification No. P00001
between
the U.S. Naval Research Laboratory
and
the Acoustical Society of America

Submitted 2 August 1991 by:

Acoustical Society of America, Standards Secretariat
335 East 45th Street
New York, New York 10017-3483



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7 February 1991

Mr. Michael Bowers
Administration Conference of the U.S.
2120 L. Street N.W.
Suite 500
Washington, DC 20037

Dear Mr. Bowers:

At the recent meeting of Accredited Standards Committee S12, Noise, held in San Diego, California on 29 November 1990, Dr. Alice Suter informed the Committee about the imminent review by the U.S. Administration Conference of the lack of a national noise abatement program. We understand that the input of societies, organizations and individuals is being sought in this process.

A resolution was therefore adopted by the majority of those present at the S12 meeting, and ratified by vote, which closed on 31 January 1991. The resolution is as follows:

that Accredited Standards Committee S12, and the U.S. Technical Advisory Group for ISO/TC 43/SC1 on Noise, strongly support the need for review of the requirement for, approaches and implementation of a National Noise Abatement program, and offer their professional expertise to assist in the formulation of a national strategy to arrive at the desired goals. The Committees consider these efforts of particular importance in order to remain competitive in the international arena with respect to noise control technology and noise environmental quality

In order to give you some background into the work of the Accredited Standards Committees for which the Acoustical Society holds the Secretariat (S1 on Acoustics, S2 on Mechanical Shock and Vibration, S3 on Bioacoustics, and S12 on Noise), we enclose a brochure describing the Standards Program of the Acoustical Society. Also enclosed is a Directory listing the participants in the Standards Program, and our most recent catalog of acoustical standards.



ACOUSTICAL SOCIETY OF AMERICA

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2 August 1991

Director
Naval Research Laboratory
Attention: CODE 2627
Washington, DC 20375

Dear Sir:

RE: Grant N00014-90-J-2017 plus Modification No. P00001 between the Naval Research Laboratory and the Acoustical Society of America, in the sum of \$22,000 (\$12,000 plus \$10,000), to support the Standards Program of the Acoustical Society, effective dates from 15 June 1990 to 14 June 1991

We are pleased to enclose one (1) copy of the Final Technical Report which comprises four reports on the activities of the four Accredited Standards Committees which work was supported by the Naval Research Laboratory under the above referenced Grant.

Please let us know if we can be of further assistance. Thanking you, we are

Sincerely,

Avril Brenig
Standards Manager

AB/li

Enclosures

cc: Beyer w/o enclosures
Eldred w/o enclosures
Embleton w/o enclosures
Schmid w/o enclosures

Mr. Bowers

-2-

7 February 1991

More information will be supplied to you as desired. We wish you success in your task and stand ready to assist in these endeavors.

Sincerely,


Avril Brenig
Standards Manager

cc: Eldred
Embleton
Johnson
Royster
Suter
von Gierke

TABLE OF CONTENTS

1.	Approval of the Minutes	2
2.	Organization	3
	a) List of current working groups	3
	b) New working groups	3
	c) Personnel changes	3
	d) Work in progress	3
3.	Standards approved by ANSI in 1990/1991 and published (or being published by ASA	3
4.	Organizational matters and reports on working groups, including reports on letter ballots and international matters	4
	a) S12/Advisory - Advisory Planning Committee to S12 - L.H. Royster, Chair	4
	b) S12/WG2 Terminology, Abbreviations and Symbols - D.L. Johnson, Chair	5
	c) S12/WG3 Measurement of Noise from Office and Data Processing Equipment - L. Luttrell, Chair	5
	d) S12/WG6 Insertion Loss of Outdoor Noise Barriers at Sites of Interest - W. Bowlby, Chair	6
	e) S12/WG8 Determination of Interference of Noise with Speech Intelligibility - L. Marshall, Chair	6
	f) S12/WG9 Annoyance Response to Impulsive Noise - L. Sutherland, Chair	6
	g) S12/WG10 Hearing Protector Attenuation - C. Nixon, Chair	7
	h) S12/WG11 Field Effectiveness and Physical Characteristics of Hearing Protectors - E. Berger, Chair	7
	i) S12/WG12 Evaluation of Hearing Conservation Programs - J. Royster, Chair	7
	j) S12/WG15 Measurement and Evaluation of Outdoor Community Noise - P.D. Schomer, Chair	8
	k) S12/WG18 Criteria for Room Noise - R.J. Peppin, Chair	8
	l) S12/WG19 Measurement of Occupational Noise Exposure - J.P. Barry/W.R. Thornton, co-Chairs	8
	m) S12/WG20 specification of the Noise of New Machinery at the Operator's Position - S. Roth, Chair	9
	n) S12/WG21 Determination of Sound Power Using Sound Intensity Measurements -M.J. Crocker, Chair	9
	o) S12/WG22 Impulse Sound Propagation for Environmental Noise Assessment - N.D. Lewis, Chair	9
	p) S12/WG23 Determination of Sound Power - P.K. Baade, Chair	10

r)	S12/WG27 Outdoor Measurement of Sound Pressure Level - G. Daigle, Chair	10
s)	S12/WG29 Methods for the Field Measurement of the Sound Output of Audible Public-Warning Devices (Sirens) - D.N. Keast, Chair	10
t)	S12/WG30 Revision of Power Tool Institute (PTI) Standard S10.10-1983 - R.J. Callahan, Chair	11
u)	S12/WG31 Predicting Sound Pressure Levels Outdoors - G. Daigle, Chair	11
5.	Listing and/or reports on Liaison working groups from other standards organizations involved in the area of noise	11
a)	S12/L-1 IEEE 85 Committee for TAG Liaison - Noise Emitted by Rotating Electrical Machines (Counterpart to ISO/TC 43/SC1/WG12) - R.G. Bartheld, Chair	11
b)	S12/L-2 Measurement of Noise from Pneumatic Compressors, Tools and Machines - (Vacant)	12
c)	S12/L-3 SAE Committee for TAG Liaison on Measurement and Evaluation of Motor Vehicle Noise (Counterpart to ISO/TC 43/SC1/WG8) - R.F. Schumacher, Chair	12
d)	S12/L-4 SAE Committee A-21 for the TAG Liaison on Measurement and Evaluation of aircraft Noise - R. Linn, Chair	12
e)	S12/L-5 ASTM E-33 on Environmental Acoustics - A. Warnock, Chair ..	12
f)	S12/L-6 SAE Construction-Agricultural Sound Level Committee - L.A. Jennings, Chair	13
g)	S12/L-7 SAE Specialized Vehicle and Equipment Sound Level Committee - J.B. Walsh, Chair	13
h)	S12/L-8 ASTM E 33.09 on Community Noise - R.M. Guernsey, Chair ..	13
6.	Documents without working groups submitted to S12 ballot	14
7.	Report on standards more than five years in existence	14
8.	Report on International Matters-General	15
a)	ISO/TC 43 Acoustics and ISO/TC 43/SC 1 Noise - H.E. von Gierke, U.S. TAG Chair	16
b)	ISO/TC 94/SC12 Hearing Protection - H.E. von Gierke, U.S. TAG Chair	17
c)	International Documents Submitted to S12 for Vote and/or Comment ..	18
9.	New international standards available from ANSI	18
10.	Procedural ballots	18
a)	Confirmation Officers and Individual Experts of Accredited Standards Committee S12	18
b)	Accredited Standards Committee Procedures-additional section on the conciliation of negative votes and positions on documents	19
c)	Administrative Conference of the U.S. (A. Suter)	19
d)	Two procedural ballots	20
•	Revision of Power Tool Institute (PTI) Standard S10.1-1983 ...	20
•	New Work Item-Predicting Sound Pressure Levels Outdoors-S12/W31	20
11	National standards submitted to S12 for review	20

12.	Other business	20
a)	Project Initiation Notification System (PINS) forms requested by ANSI ..	20
b)	Comments of Mr. R.W. Young at the last meeting (November 1990) ...	20
c)	Mr. von Gierke-recent issuance by NIOSH of report on hand-arm vibration criteria	21
13.	New Business	21
a)	ASACOS Editorial Guidelines-proposed revision	21
b)	ASACOS policy on <u>metrication</u>	21
c)	Mr. Schomer's points:	
(i)	U.S. Delegate to ISO/TC 43/SC1/WG31 Measurement of the Acoustical Transfer Properties of Resilient Elements	22
(ii)	Reinstatement of a working group to revise ANSI S12.7-1986 Methods for Measurements of Impulse Noise	22
(iii)	S12/WG22 - sound propagation - international ad hoc group which should be proposed as an international working group ...	22
d)	Audio Engineering Society is setting up a working group on MUSIC SOUND LEVELS, ...	22
14.	Future meetings	22
15.	Adjournment	22

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S12/206

MINUTES

ACCREDITED STANDARDS COMMITTEE ON NOISE, S12

U.S. TAG FOR ISO/TC 43/SC1 NOISE

and

ISO/TC 94/SC12 HEARING PROTECTION

Baltimore, Maryland

2 May 1991

The meeting was called to order by Mr. D. Johnson, Chair S12, at 9:30 AM in the Lincoln Room, the Omni Inner Harbor Hotel, Baltimore, Maryland.

ORGANIZATIONAL MEMBERS PRESENT

Bohl, C.D.	American Industrial Hygiene Association (AIHA)
Brenig, A.	ASA Standards Manager
Evans, D.J.	National Institute of Standards and Technology (NIST)
Goodwin, R.	Acoustical Systems, Inc.
Johnson, D.L.	Chair S12; ASA Representative S12
Kasten, R.	American Speech Hearing Language Association
McKinley, R.	U.S. Air Force
Michael, L.A.	American Academy of Otolaryngology (AAO) (alternate for R.F. Naunton)
Roth, S.I.	ALCOA
Toothman, E.H.	FINCRP
Vendittis, D.J.	David Taylor Research Center

INDIVIDUAL EXPERTS PRESENT

Eldred, K.M.	Chair ASACOS; ASA Standards Director
Galloway, W.J.	Consultant
Guernsey R.M.	R.M. Guernsey and Associates
Melnick, W.	ASA alternate representative S12
Royster, L.H.	Vice Chair S12; Member S12/WG12
von Gierke, H.E.	ASACOS; U.S. TAG Chair; TAG ISO/TC 43 and ISO/TC 43/SC1
Winzer, G.E.	Winzer Associates
Wong, G.S.K.	Chair S1
Young, R.W.	Consultant

OTHERS PRESENT

Barry, J.	Co-chair S12/WG19
Bovi, A.M.	Member S12/WG10 and S12/WG11; ISEA
Berger, E.	Chair S12/WG11
Casali, J.G.	Member S12/WG11
Earshen, J.J.	Member S12/WG19
Gross, E.E.	Associate Editor STANDARDS NEWS, JASA
Lewis, N.D.	Chair S12/WG22
Luz, G.	Member S12/WG9
Miller, T.	Member S12/WG19
Nixon, C.	Chair S12/WG10
Queen, D.	Secretary ANSI S4 Committee
Royster, J.D.	Chair S12/WG12
Sutherland, L.C.	Chair S12/WG9
Valoski, M.P.	Mine Safety and Health Administration

1. **Approval of the Minutes of the San Diego, California meeting, held 29 November 1990 (S12/194).**

Upon motion made and seconded, it was

VOTED to approve the Minutes of the S12 meeting (S12/194) held on 29 November 1990, as circulated.

2. Organization

- a) A list of current working groups is attached (see ATTACHMENT A).
- b) New working groups:
 - (i) S12/Advisory-Advisory Planning Committee to S12 - L.H. Royster, Chair
 - (ii) S12/WG30 Revision of Power Tool Institute (PTI) Standard S10.1-1983 - R.J. Callahan, Chair
 - (iii) S12/WG31 Predicting Sound Pressure Levels Outdoors - G. Daigle, Chair
- c) Personnel changes - None to date.
- d) Work in progress - for a summary, see ATTACHMENT B.

3. Standards approved by ANSI in 1990/1991 and published (or being published by ASA

ANSI S12.5-1990 Requirements for the Performance and Calibration of Reference Sound Sources (revision of ANSI S12.5-1985).

ANSI S12.30-1990 Guidelines for the Use of Sound Power Standards and for the Preparation of Noise Test Codes (revision and redesignation of ANSI S1.30-1979)

ANSI S12.31-1990 Precision Methods for the Determination of Sound Power Levels of Broad-Band Noise in Reverberation Rooms (revision and redesignation of ANSI S1.31-1980)

ANSI S12.32-1990 Precision Methods for the Determination of Sound Power Levels of Discrete-Frequency and Narrow-Band Noise Sources in Reverberation Rooms (revision and redesignation of ANSI S1.32-1980)

ANSI S12.33-1990 Engineering Methods for the Determination of Sound Power levels of Noise Sources in a special Reverberation Test Room (revision and redesignation of ANSI S1.33-1982)

3. **Standards approved by ANSI in 1990/1991 and published (or being published by ASA (continued))**

ANSI S12.35-1990 Precision Methods for the Determination of Sound Power Levels of Noise Sources in Anechoic and Hemi-Anechoic Rooms **(revision and redesignation of ANSI S1.35-1979)**

ANSI S12.36-1990 Survey Methods for the Determination of Sound Power Levels of Noise Sources **(revision and redesignation of ANSI S1.36-1979)**

ANSI S12.40-1990 Sound Level Descriptors for Determination of Compatible Land Use (revision and redesignation of ANSI S3.23-1980).

Standards published by ASA can be ordered from the following address:

Professional Book Distributors (PBD)
ASA Standards Distribution Center
1650 Bluegrass Lakes Parkway
Alpharetta, Georgia 30239

Telephone: (404) 442-8633
Telefax: (404) 442-9742

NOTE: 20% discount on list price is available to ASA individual and sustaining members for all standards published by ASA.

4. **Organizational matters and reports on working groups, including reports on letter ballots and international matters**

a) **S12/Advisory - Advisory Planning Committee to S12 - L.H. Royster, Chair**

At the last meeting of the ASACOS Steering Committee and of the individual S Committees meeting, it was decided to form Advisory Planning Committees to each of the S Committees, to be chaired by the Vice Chair of the S Committees. Since this working group existed for S12, only the scope was changed to comply with this resolution. Please see **ATTACHMENT A** for the scope of this working group.

At the meeting, Mr. L.H. Royster said he was preparing a chart, based on the one used by S3, to indicate the status of the various standards and working groups and the need for action in reaffirming, revising or withdrawing existing standards, plus plans for the production of new S12 standards.

4. Organizational matters and reports on working groups, including reports on letter ballots and international matters (continued)

a) S12/Advisory - Advisory Planning Committee to S12 - L.H. Royster, Chair (continued)

It was understood that target dates should be set, that actions on existing standards should occur within five years but no later than ten years from the original publication date, according to ANSI procedures.

Mr. Royster proposed, and welcomed, comment on his suggestion to replace chairs of working groups where no drafts had been produced after a specified number of (ASA) meetings. Consensus at the S12 meeting focused on some action to be taken if no progress had been made two years after establishment of a working group and S12 will be considering this matter further as plans evolve for the timely production of standards.

b) S12/WG2 Terminology, Abbreviations and Symbols - D.L. Johnson, Chair

At the last meeting, it was announced that a draft terminology document had been prepared by Mr. Johnson, for S1 and S12, but also utilizing terms in psychoacoustics (S3). The terminology document was sent to S12 ballot (LB/S12/197) on 20 November 1990. (The document was also sent to S1 and S3 for ballot, and to S2 for information and comment.) The ballot closed on 2 January 1991 with the results as given in ATTACHMENT C. Copies of the terminology document were sent to all interested parties, including the ASA Technical Committee chairs, for information and comment.

At the meeting, Mr. Johnson said that he had prepared a revised text, based on the comments received, and that this document was available for review and comment during this (ASA) meeting. It was expected that a revised text would be sent out for ballot before the next meeting in November 1991.

It was agreed to delete Mr. R. Hillquist's name as chair of this working group, since he has not been active for some time.

c) S12/WG3 Measurement of Noise from Office and Data Processing Equipment - L. Luttrell, Chair

The working group is continuing activity to review differences between ANSI S12.10-1985 and ISO 7779:1988, to identify the need for revision of either standard.

4. Organizational matters and reports on working groups, including reports on letter ballots and international matters (continued)

d) S12/WG6 Insertion Loss of Outdoor Noise Barriers at Sites of Interest - W. Bowlby, Chair

ANSI S12.8-1987 Methods for Determination of Insertion Loss of Outdoor Noise Barriers was published by ASA, and has been accepted by ISO/TC 43 as an international work item.

Mr. Bowlby reported prior to the meeting as follows:

U.S. DOT has provided field evaluation data of ANSI S12.8-1987. The subgroup of the working group will meet in the Spring (1991) to review the data for potential recommended revisions to the standard.

e) S12/WG8 Determination of Interference of Noise with Speech Intelligibility - L. Marshall, Chair

Ms. Marshall reported prior to the meeting that the proposed revision of ANSI S3.14-1977 Rating Noise with Respect to Speech Interference was being prepared and that proposed changes and requirements for new data were being assessed.

It was reported at the meeting that the document was expected for ballot within the next few months.

f) S12/WG9 Annoyance Response to Impulsive Noise - L. Sutherland, Chair

Mr. Sutherland reported at the meeting as follows:

S12/WG9 met in Baltimore on Wednesday, 1 May 1991 at the Aberdeen Proving Ground following a field trip to the Army's test facilities on noise, arranged by Messrs. G. Luz and P. Schomer. The working group focused their efforts on revising the wording in ANSI S12.4-1986 Method for Assessment of High-Energy Impulsive Sounds with Respect to Residential Communities, concerning measurement of C-weighted sound exposure level at high energy impulsive sounds. The group has reached a general consensus on revising the standard to eliminate rigid quantitative criteria for the measurement of such sounds which can have a wide range of pressure time histories. Instead, proposed revisions to the text will clarify the source of such sounds, retain the present definition of the desired C-weighted sound exposure level as the key building block for environmental evaluation of such sounds, and provide in an informative appendix, guidelines concerning practical measurement procedures for this noise descriptor. We hope to have a revised text ready to submit to S12 by the November 1991 meeting in Houston, Texas.

4. Organizational matters and reports on working groups, including reports on letter ballots and international matters (continued)

g) S12/WG10 Hearing Protector Attenuation - C. Nixon, Chair

Mr. Nixon reported at the meeting (see ATTACHMENT D).

h) S12/WG11 Field Effectiveness and Physical Characteristics of Hearing Protectors - E. Berger, Chair

Mr. Berger reported prior to the meeting as follows:

A presentation was made (abstract 2NS5) at the ASA meeting (copies available from E. Berger) on the results of the working group's pilot interlaboratory study. Based on this study, modest changes were made in the draft protocol and a final document for use in a full-scale inter laboratory study was circulated to members of the working group. At least four laboratories will participate in the study which is scheduled to conclude by the end of 1991.

At the meeting, Mr. Berger said that his working group would be holding a meeting on 2 May 1991 to discuss the status and keep updated on the issues that had been aired in the laboratory studies. Mr. Berger reported as follows after the S12/WG11 meeting:

S12/WG11 met to review the status of the in-progress interlaboratory study. Two laboratories will complete testing in May and the third in September. A fourth will start testing this summer, and hopefully, a fifth later this year. Testing is proceeding well. Meanwhile work will continue on finalizing our methods of analysis. S12/WG11 will meet again this fall (November 1991).

i) S12/WG12 Evaluation of Hearing Conservation Programs - J. Royster, Chair

Draft ANSI S12.13-199X Evaluating the effectiveness of hearing conservation programs was submitted to the ANSI Board of Standards Review (BSR) for public comment. The public comment period will be over on 4 June 1991, when it is expected to submit the Draft Standard to ANSI for formal approval. It will then be submitted to ISO/TC 43/SC1 as a proposed work item.

Ms. Royster reported prior to the meeting (see ATTACHMENT E).

4. Organizational matters and reports on working groups, including reports on letter ballots and international matters (continued)

j) S12/WG15 Measurement and Evaluation of Outdoor Community Noise - P.D. Schomer, Chair

A first draft, dated March 1991, of ANSI S12.9-199X, Part 2, Quantities and Procedures for Description and Measurement of Environmental Sound, has been received by the Standards Secretariat, and is being prepared for ballot.

Mr. Schomer reported at the meeting that text for Part 3 of ANSI S12.9-199X was being prepared. This document will deal with short term measurements.

k) S12/WG18 Criteria for Room Noise - R.J. Peppin, Chair

Mr. Peppin reported prior to the meeting as follows:

We have rewritten reports (not yet reviewed) from E. Cohen and L. Beranek. We are attempting to resolve major differences in philosophy among attendees, knowing well that, at best, that will only be a start because of the diverse opinions about this work in the rest of the community. We may have some progress by the next meeting.

Mr. Peppin's report on the meeting of S12/WG18 held on 1 May 1991, is attached (ATTACHMENT F). At the meeting, Mr. Guernsey said he expected that a draft could be prepared for ballot in about nine (9) months' time.

l) S12/WG19 Measurement of Occupational Noise Exposure - J.P. Barry/W.R. Thornton, co-Chairs

Mr. Johnson said at the last meeting that he had given Mr. Thornton one year in which to make progress on this working group. If no progress is made by that time (i.e. November 1991), other steps would be considered. Mr. Thornton sent a note to working group members of a meeting on 26 February 1991 to take place in Philadelphia (see ATTACHMENT G). No other communications have been received.

Mr. von Gierke noted at the last meeting that the international standard had been circulated and said that if the international standard moves ahead, at what seems to be a faster pace than the national work, it may be that the international document could be balloted as the proposed national standard.

At the meeting, Mr. Barry reported that two meetings of the working group had taken place in the past few months and that a final version of the document was expected to be produced before the next meeting (November 1991).

4. Organizational matters and reports on working groups, including reports on letter ballots and international matters (continued)

m) S12/WG20 specification of the Noise of New Machinery at the Operator's Position - S. Roth, Chair

The working group is continuing to work on the proposed standard. At the meeting, Mr. Toothman reported for Mr. Roth on the meeting of S12/WG20 held on 1 May 1991. Rapid progress was being made and a document should be available for ballot by the time of the next meeting (November 1991).

Mr. Roth has submitted a report on the meeting of S12/WG20 held 1 May 1991 in Baltimore see ATTACHMENT H).

n) S12/WG21 Determination of Sound Power Using Sound Intensity Measurements -M.J. Crocker, Chair

At the last meeting, it was agreed to move ahead with draft ANSI S12.12-199X Engineering Method for the Determination of Sound Power Levels of Noise Sources Using Sound Intensity. Once the remaining objections have been adequately addressed, the document--with any outstanding negative positions--can be circulated to S12 for a 30-day review.

The 30-day review on this document was subsequently prepared and sent to S12 voting members (30-day review/S12.12/207) on 26 April 1991 (see ATTACHMENT I). The 30-day review will close on 28 May 1991.

At the meeting, Mr. Crocker reported on the history of the development of this proposed standard. Mr. Johnson stated the need for the standard and commended Mr. Crocker for his perseverant efforts to continue processing the document and attempting to meet all of the objections which had been raised. See ATTACHMENT J for Mr. Crocker's report.

o) S12/WG22 Impulse Sound Propagation for Environmental Noise Assessment - N.D. Lewis, Chair

Mr. Lewis reported prior to the meeting as follows:

The first draft of the proposed standard has been reviewed by the working group members. I am now reviewing the comments provided and the additional data to be used to fill the data gaps identified in the first draft. The second draft will be ready for working group review by the Baltimore ASA meeting (April/May 1991).

At the meeting, Mr. Lewis said that he hoped to have a draft document within a year, i.e., by May 1992. (Please also see under New Business, item (b) (iii), page 22, for an international work item proposed in this area.)

4. Organizational matters and reports on working groups, including reports on letter ballots and international matters (continued)

p) S12/WG23 Determination of Sound Power - P.K. Baade, Chair

Mr. Baade reported prior to the meeting as follows:

The working group is waiting for the revisions of ISO 3740 through 3747 which are currently in progress. The chairman of S12/WG23 is a member of the ISO working group involved and has been coordinating the U.S. comments on the revised drafts as they have been circulated by the ASA Standards Manager.

Once any of the revisions are finalized in ISO, the U.S. counterparts (S12.30 through S12.36) will be revised accordingly. No other activities are planned at this time.

Mr. Baade also said that new members to this working group would be welcome.

q) S12/WG24 Placement of Personal Noise Monitoring Microphones - J.A. Burks, Chair

Mr. Johnson said at the meeting that he would put this working group on the next administrative ballot for proposed disbanding.

r) S12/WG27 Outdoor Measurement of Sound Pressure Level - G. Daigle, Chair

Mr. Daigle reported at the meeting (see ATTACHMENT K).

s) S12/WG29 Methods for the Field Measurement of the Sound Output of Audible Public-Warning Devices (Sirens) - D.N. Keast, Chair

Mr. Keast has prepared a draft standard which was sent to S12 ballot (LB/S12.14/208) on 26 April 1991. The ballot is expected to be closed on 7 June 1991.

4. Organizational matters and reports on working groups, including reports on letter ballots and international matters (continued)

t) S12/WG30 Revision of Power Tool Institute (PTI) Standard S10.10-1983 - R.J. Callahan, Chair

The ASA Standards Manager had received a letter from the Power Tool Institute on 23 October 1990 relating to their interest in having changes made to the present ANSI/PTI S10.1 standard, to be performed under the jurisdiction of Accredited Standards Committee S12, Noise. This matter was discussed at the last meeting.

Mr. James E. Bates of the Power Tool Institute (PTI) presented PTI's proposal, at the last meeting of the Committee, namely, that S12 take over responsibility for ANSI/PTI S10.1-1983, Second edition, of the American National Standard for Acoustical Portable Electric Power Tools, Stationary and Fixed Electric Power Tools and Gardening Appliances - Measurement of sound emitted.

A ballot was therefore circulated to S12 (LB/S12/201) on 15 February 1991. The ballot closed on 29 March 1991 with unanimous approval of this new work item for S12. The results are given in ATTACHMENT L. The scope of the new working group is listed in ATTACHMENT A.

u) S12/WG31 Predicting Sound Pressure Levels Outdoors - G. Daigle, Chair

At the last meeting, Mr. G. Daigle presented a proposal for a new work item for S12. A letter ballot (LB/S12/203) was circulated to S12 on 21 February 1991. The ballot was closed on 4 April 1991 with unanimous approval of this new work item. The results are given in ATTACHMENT M. The scope of the new working group is listed in ATTACHMENT A.

5. Listing and/or reports on Liaison working groups from other standards organizations involved in the area of noise (ATTACHMENT A)

a) S12/L-1 IEEE 85 Committee for TAG Liaison - Noise Emitted by Rotating Electrical Machines (Counterpart to ISO/TC 43/SC1/WG12) - R.G. Bartheld, Chair

This liaison working group provides review of international documents and the development of procedures on measurement and evaluation of the noise produced by rotating electrical machines.

5. Listing and/or reports on Liaison working groups from other standards organizations involved in the area of noise (ATTACHMENT A) (continued)

b) S12/L-2 Measurement of Noise from Pneumatic Compressors, Tools and Machines - (Vacant)

This liaison working group is currently inactive.

It was considered useful to locate a person to act as liaison chair for this activity and to also explore the status of the S5.1 (CAGI) standard.

c) S12/L-3 SAE Committee for TAG Liaison on Measurement and Evaluation of Motor Vehicle Noise (Counterpart to ISO/TC 43/SC1/WG8) - R.F. Schumacher, Chair

Mr. Schumacher reported previously as follows:

No changes since the last report. The committee will meet on September 6, 1990 in Chicago. New business includes re-establishing the tire test subcommittee.

d) S12/L-4 SAE Committee A-21 for the TAG Liaison on Measurement and Evaluation of Aircraft Noise - R. Linn, Chair

At the meeting, Mr. Galloway reported that there is now an ISO working group on the Measurement of Aircraft Interior Noise (ISO/TC 43/SC1/WG37) of which SAE Committee A-21 is a major sponsor in providing membership and people who can attend meetings.

There is another activity, in IEC/TC 29/WG15, concerned with the specification of the performance of instrumentation relating to aircraft noise. SAE Committee A-21 serves as the comment generator for this IEC activity.

e) S12/L-5 ASTM E-33 on Environmental Acoustics - A. Warnock, Chair

At the last meeting, Mr. Winzer said that this group met on 22 October 1990 in Dearborn, Michigan. Mr. Winzer was asked to see whether ASTM E-33 would be interested in participating in the work on the new ISO/TC 43/SC1/WG33 work on Measuring Method for Comparing Traffic Noise on Different Road Surfaces.

Mr. Warnock reported prior to the meeting that the next meeting of this liaison working group was to be 15-17 April 1991 in Atlantic City, New Jersey. (See under S12/L-8.)

5. Listing and/or reports on Liaison working groups from other standards organizations involved in the area of noise (ATTACHMENT A) (continued)

f) S12/L-6 SAE Construction-Agricultural Sound Level Committee - L.A. Jennings, Chair

This Committee is active in reviewing and initiating acoustical documents from ISO/TC 23, ISO/TC43, and ISO/TC 127.

Mr. Jennings reported prior to the meeting as follows:

This Committee last met on 6 September 1990. The next meeting will be on 5 September 1991.

In order to promote worldwide acceptance and harmonization of standards, the Sound Level Committee is sponsoring adoption of five ISO Acoustics standards as dual numbered SAE standards: SAEJ2101/ISO 4872, SAEJ2102/ISO 6393, SAEJ2103/ISO 6394, SAEJ2104/ISO 6395 and SAEJ2105/ISO 6396.

g) S12/L-7 SAE Specialized Vehicle and Equipment Sound Level Committee - J.B. Walsh, Chair

This group is the liaison to the SAE Specialized Vehicle and Equipment Sound.

Mr. Walsh reported prior to the meeting that work continued on the thirteen documents under the Committee's jurisdiction.

h) S12/L-8 ASTM E 33.09 on Community Noise - R.M. Guernsey, Chair

The scope of this liaison group is the development of standards for measurement and evaluation of noise and vibration in the community.

Mr. von Gierke previously asked whether E33.09 was aware of the current S3 standard on vibration in buildings in their work.

A notice of an ASTM meeting for 15-17 April 1991 in Atlantic City, New Jersey is attached (ATTACHMENT N). This meeting calls for the establishment of a new standards activity in the area of aircraft/community noise.

5. Listing and/or reports on Liaison working groups from other standards organizations involved in the area of noise (ATTACHMENT A) (continued)

h) S12/L-8 ASTM E 33.09 on Community Noise - R.M. Guernsey, Chair (continued)

At the meeting, Mr. Guernsey reported on the initial meeting of the ASTM group related to aircraft/community noise. He said a second meeting would be held from 15 to 17 October 1991 in San Diego, and that those who received notice of the April 1991 meeting would similarly receive notice of this meeting. Mr. Eldred, as ASA Standards Director, had sent a letter to Ms. Wendy Dyer of ASTM, concerning this issue (see ATTACHMENT Q).

Mr. Guernsey said his impression was that there was an effort being made by ASTM not to conflict with other work being done in this area. He urged all who could to attend the October 1991 meeting of ASTM in order to express their views in person.

Mr. Guernsey reported on the meeting of this working group on 2 May 1991 (see ATTACHMENT P).

6. Documents without working groups submitted to S12 ballot

None to date.

7. Report on standards more than five years in existence

Section 4.4 of the ANSI Procedure for the Development and Coordination of American National Standards requires that each complete American National Standard (including its supplements and addenda) be reviewed at least every five years to determine whether it should be reaffirmed, revised, or withdrawn. Provision is made for extensions of time, except that no extension is granted beyond ten (10) years from the date of approval by ANSI.

- a) The standards listed below required review as to their reaffirmation, revision or withdrawal. The Chair of S12 recommended that the list of standards be reaffirmed.

Additionally, the standards listed below were, in fact, transferred to Accredited Standards Committee S12, Noise, when that Committee was established in 1981. The scope of S1, Acoustics, and S3, Bioacoustics, respectively, were changed with the formation of S12, Noise. At that time, the word "noise" was deleted from the scopes of S1 and S3 in order to form the basis of the scope of the new S12 Committee. In parallel with this step, those S1 and S3 standards whose scopes were deemed to fall under the new Committee, were transferred to S12 on Noise. Nine years have now elapsed since the formation of S12. It was considered overdue for the actual redesignation of the standards, now within S12, but whose designations still carried the S1 and S3 numbers.

7. Report on standards more than five years in existence

a) continued

This change in designation is reflected throughout each standard, with a prefatory note as to the reason for the change in the Foreword, and parallel changes made in the standard wherever other standards in the sound power series are referenced. No technical changes were made to any of the standards listed.

ANSI S12.30-1990 (formerly ANSI S1.30-1979 (R 1985)) - Guidelines for the Use of Sound Power Standards and for the Preparation of Noise Test Codes

ANSI S12.31-1990 (formerly ANSI S1.31-1980 (R 1986)) - Precision Methods for the Determination of Sound Power Levels of Broad-Band Noise Sources in Reverberation Rooms

ANSI S12.32-1990 (formerly ANSI S1.32-1980 (R 1986)) - Precision Methods for the Determination of Sound Power Levels of Discrete-Frequency and Narrow-Band Noise Sources in Reverberation Rooms

ANSI S12.33-1990 (formerly ANSI S1.33-1982) - Engineering Methods for the Determination of Sound Power Levels of Noise Sources in a Special Reverberation Test Room

ANSI S12.35-1990 (formerly ANSI S1.35-1979 (R 1985)) - Precision Methods for the Determination of Sound Power Levels of Noise Sources in Anechoic and Hemi-Anechoic Rooms

ANSI S12.36-1990 (formerly ANSI S1.36-1979 (R 1985)) - Survey Methods for the Determination of Sound Power Levels of Noise Sources

ANSI S12.40-1990 (formerly ANSI S3.23-1980 (R 1986)) - Sound Level Descriptors for Determination of Compatible Land Use

8. Report on International Matters

General

Mr. von Gierke reported prior to the last meeting that there had been inadequate U.S. attendance and support at the recent ISO/TC 43 and ISO/TC 43/SC1 meetings in the Netherlands. Standards were being developed on an expedited basis in ISO and IEC due to increased activity in the European Community (CEN) to reach their targeted goals by 1992. The U.S. was at a disadvantage in the economic ability to be at all the meetings, and the change in ISO Procedures did not allow a country to continue as a Participating (P) Member without specific attendance at meetings and timely response on all documents circulated.

8. Report on International Matters (continued)

General (continued)

Several new working groups have been proposed in ISO/TC 43 and ISO/TC 43/SC1. See ATTACHMENT Q for the report on the activities of TC 43 and TC 43/SC1 prepared by the Standards Secretariat).

The new ISO/TC 43 and/or ISO/TC 43/SC1 work items (reported in the last S1 Minutes, (S1/334) are as follows:

- Revision of ISO 6081:1986
- Revision of ISO 4871:1984
- Revision of ISO 5129:1987
- Revision of ISO 7779:1988 Measurement of Airborne Noise emitted by Computer and Business Equipment
- Amendment to ISO 362:1981 and ISO 7188:1985 Specification regarding test track surfaces
- Noise Reduction - general guidelines regarding noise generation and noise reduction
- Noise Reduction - general requirements regarding reduction of noise in the workplace
- Methods for the determination of the acoustical performance of noise attenuating devices
- Methods and equipment for the measurement of real-ear characteristics of hearing aids (for IEC/TC 29 and ISO/TC 43 respectively)
- Insertion loss of noise barriers
- Measuring method for comparing traffic noise on different road surfaces

A memorandum requesting a review of the lists of ISO standards and comparison with their national (U.S.) counterparts, was received from ANSI, dated 7 June 1990. This memorandum was passed onto the U.S. TAG Chairs for the various ISO activities in which the U.S. TAG is responsible.

Responses were requested by the Standards Secretariat by 7 January 1991. A copy of the relevant correspondence is attached (ATTACHMENT R).

a) ISO/TC 43 Acoustics and ISO/TC 43/SC 1 Noise - H.E. von Gierke, TAG Chair

A report on the activities of ISO/TC 43 has been prepared by the Standards Secretariat (see ATTACHMENT Q). The Draft Reports from the ISO/TC 43 and ISO/TC 43/SC1 meetings held in Rotterdam, the Netherlands, in May 1990, are available from the ASA Standards Secretariat. The next meetings of ISO/TC 43 and ISO/TC 43/SC1 are expected to be held in December 1991 in Australia.

8. Report on International Matters (continued)

a) ISO/TC 43 Acoustics and ISO/TC 43/SC 1 Noise - H.E. von Gierke, TAG Chair (continued)

At the S12 meeting, Mr. von Gierke called attention to the need for the U.S. to become more involved with international standardization activities and especially to participate in the overseas meetings. This was crucial having regard to European bloc voting and the emphasis on regional (CEN and CENELEC) standards, often at the expense of international (ISO and IEC) standards development. He said that with government support for most of the European standardizing bodies, the U.S. was in a particularly difficult position to support its delegations overseas and that the recent inquiry, and support for, the U.S. voluntary system of standards development had not fully taken into account the very real problem of support for the activities and need to be physically present at the international working group, Subcommittee and Technical Committee meetings, held most often overseas.

There should be a way to keep apprised of the documentation flow and to be able to prepare U.S. responses better than in the past, in order for the U.S. to be able to influence decision making on standards development.

Mr. von Gierke said he needed to know:

- (1) representation by the U.S. at the next ISO/TC 43 meeting, to take place in Australia in December 1991. Those interested and able to attend should contact Mr. von Gierke.
- (2) that the international work will be considered parallel to the national efforts in the working groups

Messrs. Crocker, Schomer and Young, present at the S12 meeting, indicated their willingness to attend the next ISO/TC 43 and ISO/TC 43/SC1 meetings.

NOTE: At the S3 meeting, Mr. Grason and Ms. Wilber also indicated their probable participation in the ISO/TC 43 meetings.

b) ISO/TC 94/SC12 Hearing Protection - H.E. von Gierke, TAG Chair

testing

Mr. Berger reported prior to the meeting on the activities of ISO/TC 94/SC12, in that he had coordinated a U.S. response to ISO/DIS 10449 on physical and requirements for earmuffs. The U.S. vote was "NO", based primarily on the document's inclusion of a minimum attenuation requirement, and the stipulation that multiple types of attenuation ratings be reported. Other documents on earplugs/semiaural devices, cap-attached earmuffs, electronic devices, and selection, use, and care are under development and will be monitored as needed.

8. **Report on International Matters (continued)**

b) **ISO/TC 94/SC12 Hearing Protection - H.E. von Gierke, TAG Chair (continued)**

Please see **ATTACHMENT S** for a report on the liaison activities between ISO and CEN relevant to ISO/TC 94/SC12.

Mr. Berger reported after the meeting as follows:

No new draft standards have been received for formal vote. However, an internal committee draft, based upon CEN efforts, was received. Its title is "Recommendations for Selection Use, Care, and Maintenance". Mr. Berger will provide comments by the due date of July 26, 1991.

c) **International Documents Submitted to S12 for Vote and/or Comment**

See ISO/TC 43/SC1 report, **ATTACHMENT Q**.

9. **New international standards available from ANSI**

- o **ISO 140:3:1991 Amendment 1 to ISO 140-3:1990** - Acoustics - Measurement of sound insulation in buildings and of building elements - **Part 3**: Laboratory measurements of airborne sound insulation of building elements
- o **ISO 4869-1:1990** Acoustics - Hearing protectors - **Part 1**: Subjective method for the measurement of sound attenuation
- o **ISO 5136-1990** Acoustics - Determination of sound power radiated into a duct by fans - in-duct method

10. **Procedural ballots**

- a) According to ANSI's procedures, under which the Accredited Standards Committees operate, the Officers of the Standards Committees are to be confirmed (at the beginning of their terms), as well as Individual Experts (the latter to be confirmed annually) by the respective Standards Committees.

The Officers and Individual Experts are proposed by the ASA Committee on Standards (ASACOS) as the Secretariat for the Standards Committees, in connection with the Chairs of the respective Standards Committees.

A letter ballot was circulated (**LB/S12/199**) on 22 January 1991 on the proposed appointments for 1991/1992. The list of officers and individual experts is attached for information (see **ATTACHMENT T**). The ballot closed on 5 March 1991 with majority approval of the appointment of officers and individual experts for 1991/1992. The results of the ballot are given in **ATTACHMENT T**.

10. Procedural ballots (continued)

b) At the last meeting of ASACOS held on Monday, 26 November 1990, it was decided that the Accredited Standards Committee Procedures should contain an additional section relating to the conciliation of negative votes and positions on documents sent for ballot. It was also considered appropriate to amend the wording of clause 8.6 of the Accredited Standards Committee Procedures in line with the changes which had occurred in the ANSI procedures, since they were approved by ANSI on 9 September 1987. A ballot was therefore circulated to S12 (LB/S12/202) on 1 February 1991. The ballot closed on 15 March 1991, with majority approval of the proposed amendment to the Standards Committees Procedures. The results are given in ATTACHMENT U. Subsequent to the ballot, Messrs. Bohl, Chial, McKinley and Peppin reversed their negative votes, resulting in unanimous approval of the proposed changes.

c) At the last meeting, Ms. A. Suter alerted S12 to the fact that the U.S. Administrative Conference (a small government agency) had given her the task of examining the lack of a noise abatement program within EPA. Recommendations were sought on whether there should be reestablishment of such a program in EPA, and if so, what form should it take. The input of societies, organizations and individuals was desired in this process. Ms. Suter said she was collecting business cards and that she would eventually have information sent out to all those expressing interest in participating in the review process.

Ms. Suter also said she was working on a report to be submitted to the Conference in May 1991, and that the material may be published in the Federal Register.

Mr. von Gierke said, at the last meeting, that the Acoustical Society could not take a position on this matter, but that S12 and the U.S. TAG for ISO/TC 43/SC1 could certainly do so. Following discussion and on motion made and seconded, therefore, it was

VOTED

that Accredited Standards Committee S12, Noise, and the U.S. Technical Advisory Group for the ISO/TC 43 Subcommittee 1 on Noise, strongly support the need for review of the requirement for, approaches and potential implementation of a National Noise Abatement program, and offer their professional expertise to assist in the formulation of a national strategy to arrive at the desired goals. The Committees consider these efforts of particular importance in order to remain competitive in the international arena with respect to noise control technology and noise environmental quality.

Two (2) opposed to the motion (Toothman and Young).

10. Procedural ballots (continued)

c) continued

It was decided at the last meeting, that there should be a ballot of S12 to ratify the above motion.

Accordingly a letter ballot (LB/S12/198) was circulated to S12 on 14 December 1990. The ballot closed on 4 February 1991 with majority approval of the above resolution of S12. The results are given in ATTACHMENT V.

A letter was then written on 7 February 1991 to Mr. Michael Bowers, Administrative Conference of the U.S., by the ASA Standards Secretariat. A copy of this letter and a letter from Mr. Bowers, dated 28 February 1991, are attached for information (ATTACHMENT W).

- d) Two procedural ballots on new work items are reported under S12/WG30 and S12/WG31, respectively, on page 11 of these Minutes.

11. National standards submitted to S12 for review

None to date.

12. Other Business

- a) Project Initiation Notification System (PINS) forms requested by ANSI

The Standards Secretariat provided ANSI, on 11 December 1989, with a current list of S12 projects for use under ANSI's new Project Initiation Notification System (PINS). These are expected to eventually be tabulated in a computerized system by ANSI.

- b) Comments of Mr. R.W. Young at the last meeting (November 1990):

- (i) Mr. Young reiterated his opposition to the use of the solidus in working group designations, as in S12/WG3. He wishes to see the working groups listed as in S12-3.

At the S1 meeting, Mr. Young referred to his previous comment (i) above, and said his preference now was the use of designations in the example S12WG3, without the solidus. A straw vote was taken in S12 to see what designations people preferred. The majority of those present had no preference. Of those remaining, the majority preferred the use of the solidus, which was basically used for clarification and in parallel with international (ISO) usage.

12. Other business (continued)

b) Comments of Mr. R.W. Young at the last meeting (November 1990): (continued)

- (ii) Mr. Young said he thought individual experts should receive complimentary copies of standards (as well as organizational members). The opinion of those present was that it would be too expensive to carry out this step, and that other organizations, which had previously supplied standards to their members, had in fact, changed their policies. The matter was, however, not considered appropriate for S12 and will therefore be referred to ASACOS.

These two matters will be considered by ASACOS at its November 1991 meeting.

- c) At the last meeting, Mr. von Gierke drew attention to the recent issuance by NIOSH of a report on hand-arm vibration criteria, which: (1) does not focus appropriately on the existing ANSI and ISO standards in the area, (2) suddenly recommends a different weighting for hand-arm vibration which would affect all tool manufacturers without specific basis, and (3) did not have the benefit of the input of the relevant cognizant ANSI Committee in this area. Mr. von Gierke said he planned to send a letter of protest on this document to the Assistant Surgeon General of the United States.

Because of a potential conflict between the ANSI standard on hand-arm vibration and the standard on threshold limits, developed by the American Conference of Governmental Industrial Hygienists (ACGIH), Mr. von Gierke said that a letter should be written to ACGIH. The letter to ACGIH should ask the organization to join the Standards Committees in order to harmonize their standardization activities. Mr. Larry Royster said he would bring this matter up at the May 1991 meeting of ACGIH.

13. New Business

- (a) At the S3 meeting, Mr. Galloway said that ASACOS had convened an ad hoc committee to revise the ASACOS Editorial Guidelines to make them consistent with the newly revised ANSI Style Manual. This ANSI Style Manual utilizes Part 3 of the ISO Directives and also recommends submission of draft standards in electronic format (using word perfect 5.1).
- (b) Additionally, it was stated that ASACOS had adopted a policy on metrication, endorsing that of ANSI, to use SI units in all new standards.

13. New Business (continued)

(c) Mr. Schomer brought up the following points:

- (i) U.S. Delegate to ISO/TC 43/SC1/WG31 Measurement of the Acoustical Transfer Properties of Resilient Elements. It was noted that Mr. A.F. Kilcullen was now the U.S. representative since Mr. Mörelund resigned.
- (ii) There should be reinstatement of a working group to revise ANSI S12.7-1986 Methods for Measurements of Impulse Noise. This item will be sent to ballot of S12.
- (iii) S12/WG22 deals with sound propagation. There is currently an ad hoc group internationally which should probably be proposed as an international working group. A proposed scope and rationale for this international effort will be prepared by Mr. Schomer, and submitted to Mr. von Gierke, U.S. TAG Chair for ISO/TC 43/SC1.

(d) Mr. Daniel Queen, Secretary for Standards Committee S4 on Sound Recording, said that the Audio Engineering Society is setting up a working group on MUSIC SOUND LEVELS, which might be of interest to S12. Considered in this working group will be the following:

- o levels required by musicians artistically
- o levels which affect safety
- o levels which affect community noise

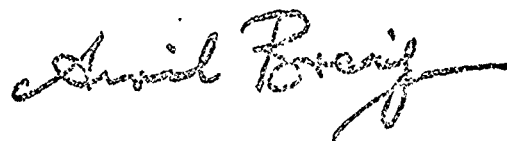
This group will be meeting at the Audio Engineering Society (AES) convention from 2 to 8 October 1991 at the Hilton Hotel in New York City. The working group will be meeting on 3 or 5 October 1991 and there will be a special session on this topic on 4 October 1991.

14. Future meetings

The next meeting of S12 will be held on Thursday, 7 November 1991, in Houston, Texas, commencing at 9:30 AM.

15. Adjournment

The meeting was adjourned at 11:00 A.M.



Avril Brenig
Standards Manager



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ATTACHMENT A-1
S12/206

ACCREDITED STANDARDS COMMITTEE ON NOISE - S12

SECRETARIAT: Acoustical Society of America

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 environmental and occupational noise.

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<u>WORKING GROUP</u>	<u>TITLE AND SCOPE</u>	<u>CHAIR</u>
(a) S12/Advisory	<u>S12 Advisory Planning Committee</u> - Be cognizant of standards needs within the scope of the Committee, and organize those needs in accordance with priority, and other relevant factors, into a coherent three year plan for Committee activity. This three year plan for the preparation of standards should include those which need updating, having regard to the international work items and standards, and the need for timely review (reaffirmations, revisions, withdrawals, etc.) of all national standards, and the priority of new standards needs. The plan of action should be developed with attention to (i) the overall Committee scope, (ii) its technological needs, (iii) the relation of national to international standardization, (iv) the rate of development of new standards, and (v) the timeliness of the preparation of revisions of standards.	<u>L.H. Royster</u>

<u>WORKING GROUP</u>	<u>TITLE AND SCOPE</u>	<u>CHAIR</u>
(b) S12/WG2	<u>Terminology, Abbreviations and Symbols</u> - Develop draft standard terminology, abbreviations and symbols for all areas within the scope of S12 with close liaison with counterpart working groups in S1, S2 and S3.	<u>D.L. Johnson</u>
(c) S12/WG3	<u>Measurement of Noise from Office and Data Processing Equipment (counterpart to ISO/TC 43/SC1/WG23)</u> - Development of procedures for measurement and evaluation of noise emitted from computer and business equipment and their component noise sources.	<u>L. Luttrell</u>
(d) S12/WG6	<u>Insertion Loss of Outdoor Noise Barriers at Sites of Interest</u> - Measurement methods applicable to the measurement and evaluation of the noise reduction provided by outdoor barriers.	<u>W. Bowlby</u>
(e) S12/WG8	<u>Determination of Interference of Noise with Speech Intelligibility</u> - Review and revise ANSI S3.14-1977 to determine whether the standard is current and make any necessary revisions.	<u>L. Marshall</u>
(f) S12/WG9	<u>Annoyance Response to Impulsive Noise</u> - Assessment of impulsive sounds with respect to annoyance of individuals and residential communities.	<u>L. Sutherland</u>
(g) S12/WG10	<u>Hearing Protector Attenuation (counterpart to ISO/TC 43/SC1/WG17)</u> - Revision of ANSI S3.19-1974 (ASA 1-1975).	<u>C. Nixon</u>
(h) S12/WG11	<u>Field Effectiveness and Physical Characteristics of Hearing Protectors (counterpart to ISO/TC 94/SC12)</u> - The scope of the working group is twofold: A) Explore the problems inherent in using optimum-laboratory real-ear attenuation data to estimate achievable and/or typical workplace protection. Propose a plan of action to identify or develop laboratory and/or field procedure(s) that yield useful estimates of field performance. B) Assess the need for standards specifying the physical characteristics of hearing protectors that are required to provide and maintain their performance. Coordinate counterpart activities with ISO/TC 94/SC12.	<u>E.H. Berger</u>

<u>WORKING GROUP</u>	<u>TITLE AND SCOPE</u>	<u>CHAIR</u>
(i) S12/WG12	<u>Evaluation of Hearing Conservation Programs</u> - The goals are to specify objective criteria which can be used to assess the effectiveness of a hearing conservation program, and to devise a plan where the criteria can be implemented. The criteria should recognize pertinent engineering, legal, medical, audiological, and economic facts. The plan should be realistic and thus usable by persons charged with the responsibility for hearing conservation programs.	<u>J.D. Royster</u> <u>E.H. Berger,</u> Vice Chair
(j) S12/WG15	<u>Measurement and Evaluation of Outdoor Community Noise</u> - To produce a standard for the measurement of outdoor environmental noise with emphasis on the classification of noise surveys relative to temporal and spatial sampling accuracies achieved.	<u>P.D. Schomer</u>
(k) S12/WG18	<u>Criteria for Room Noise</u> - To develop a method for rating the noise encountered in various types of rooms in terms of its effect upon people by means of: (1) a weighting network, and (2) a computational procedure to account for temporal pattern of the noise and the need for tone correction as appropriate. The purpose of this method is to arrive at a common yardstick for evaluating environmental noise indoors. In addition to this main charge, also charged with the development and measurement procedures to be utilized in various types of rooms including methods for translating the results of such measurement in the common yardstick.	<u>R.J. Peppin</u>
(l) S12/WG19	<u>Measurement of Occupational Noise Exposure - (partial counterpart to ISO/TC 43/SC1/WG19)</u> - Development of a method to evaluate a person's noise exposure received in a workplace. This method must recognize pertinent engineering, legal, medical, audiological, and economic facts. The results must be practical, realistic, reproducible, and relevant to prevention of occupational hearing loss.	<u>J.P. Barry/</u> <u>W.R. Thornton,</u> Co-chairs
(m) S12/WG20	<u>Specification of the Noise of New Machinery at the Operator's Position</u> - Develop a method for measurement and specification of the level of noise at the operator(s) position for newly manufactured machinery in a manner that is suitable for inclusion in other documents that specify the manner of operation and loading of the machine. Give consideration to other existing national and international efforts in a purchase specification, to measurement of total sound power and to evaluate the additive effect of the noise of multiple machines to the level of noise at the operator's position so that a specified level could be related to a selected level for "in use" conditions.	<u>S.I. Roth</u>

<u>WORKING GROUP</u>	<u>TITLE AND SCOPE</u>	<u>CHAIR</u>
(n) S12/WG21	<u>Determination of Sound Power Using Sound Intensity Measurements</u> - Specify methods for measuring sound intensity directly on a measurement surface enveloping a sound source and for calculating the sound power radiated by that source. Methods shall be developed as appropriate for all types of machinery, equipment and radiating surfaces, but shall not include the power radiated from moving vehicles or air moving devices. The working group shall maintain liaison with any activity in this area by ISO/TC 43.	<u>M.J. Crocker</u>
(o) S12/WG22	<u>Impulse Sound Propagation for Environmental Noise Assessment</u> - Establish an engineering method to specify average propagation for a distribution of blast noise events for purposes of environmental noise assessment. The methods should apply to high-energy impulse sounds at moderate distances (1-30 km) from sources such as demolition or mining blasting, artillery firing and bomb explosions using conventional explosives of less than approximately one ton. Prevailing meteorological conditions and terrain should be considered when practicable.	<u>N.D. Lewis</u>
(p) S12/WG23	<u>Determination of Sound Power</u> - Monitor the sound power series of standards (i.e. S12.30, 31, 32, 33, 34, 35 and 36) and revise as necessary. Review Sound Power Test Codes and related documents submitted to S12 for approval under the canvass method and for the development of a U.S. position on an international document, and those documents obtained through ANSI's public review that deal with sound power.	<u>P.K. Baade</u>
(q) S12/WG24	<u>Placement of Personal Noise Monitoring Microphones</u> - Provide guidance for the placement of microphones on people for personal noise monitoring, considering the influence of the person on the measurement performance of the devices; to provide information regarding the magnitude of the adjustment to be made in measured A-weighted sound levels as a function of microphone placement, person orientation with respect to the sound field, and type of sound field.	<u>J.A. Burks</u>
(r) S12/WG27	<u>Outdoor Measurement of Sound Pressure Level</u> - Develop standardization methods for measuring sound pressure levels in the outdoor environment, considering the effects of refraction due to wind and temperature gradients, the effects due to thermal and mechanical turbulence and the effects of variable ground impedance and wind noise. Close coordination should be maintained with working group S1/WG4 which is revising ANSI S1.13 Measurement of Sound Pressure Levels.	<u>G. Daigle</u>

<u>WORKING GROUP</u>	<u>TITLE AND SCOPE</u>	<u>CHAIR</u>
(s) S12/WG29	<u>Methods for the Field Measurement of the Sound output of audible public warning devices (Sirens)</u> - This standard specified methods for measuring and reporting the sound produced by sound-making devices installed at fixed locations outdoors for the purpose of warning people of emergencies. The sound-making devices to which this standard is applicable include mechanical and electronic sirens and air horns that produce steady, tonal sounds with a fundamental frequency in the range from 300 to 1000 Hertz; when installed at a fixed location outdoors in accordance with the manufacturer's recommendations.	<u>D.N. Keast</u>
(t) S12/WG30	<u>Revision of Power Tool Institute (PTI) Standard S10.1-1983</u> - American National Standard for Acoustics - Portable Electric Power Tools, Stationary and Fixed Electric Powered Tools and Gardening Appliances - Measurement of Sound Emitted (proposed as an ANSI Standard under the jurisdiction of Accredited Standards Committee S12, Noise)	<u>R.J. Callahan</u>
(u) S12/WG31	<u>Predicting Sound Pressure Levels Outdoors</u> Develop standard method for calculating the attenuation of sound during propagation outdoors in order to predict the levels of noise at a distance from a large variety of sources. The method should be a general engineering procedure that includes the combined effects of: geometrical divergence, atmospheric absorption, the effects of variable ground impedance, the effects of refraction due to wind and temperature gradients, the effects due to thermal and mechanical turbulence, reflection from surfaces, as well as propagation through foliage.	<u>G. Daigle</u>

LIAISON WORKING GROUPS FROM OTHER STANDARDS ORGANIZATIONS
ACTIVE IN THE AREA OF NOISE

(a) S12/L-1	<u>IEEE 85 Committee for TAG Liaison - Noise Emitted by Rotating Electrical Machines - (counterpart to ISO/TC 43/SC1/WG13)</u> - Review of international documents and the development of procedures on measurement evaluation of the noise produced by rotating electrical machines.	<u>R.G. Bartheld</u>
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<u>WORKING GROUP</u>	<u>TITLE AND SCOPE</u>	<u>CHAIR</u>
(b) S12/L-2	<u>Measurement of Noise from Pneumatic Compressors Tools and Machines (counterpart to ISO//TC 43/SC1/WG9).</u>	<u>(vacant)</u>
(c) S12-L-3	<u>SAE Committee for TAG Liaison on Measurement and Evaluation of Motor Vehicle Noise (counterpart to ISO/TC 43/SC1/WG8</u> - To provide input to the ISO/TC 43/SC1 TAG for the formulation of U.S. positions on international proposals from WG8 and recommendations for new ISO projects in its area.	<u>R.F. Schumacher</u>
(d) S12/L-4	<u>SAE Committee A-21 for TAG Liaison on Measurement and evaluation of Aircraft Noise</u> - (International counterpart in ISO is currently inactive.)	<u>R. Linn</u>
(e) S12/L-5	<u>ASTM E-33 on Environmental Acoustics</u> - The development of standards on the characteristics and performance of materials, products, systems, and services relating to the acoustical environment and the promotion of related knowledge.	<u>A. Warnock</u>
(f) S12/L-6	<u>SAE Construction-Agricultural Sound Level Committee</u> - Review of international documents and the development of procedures on measurement and evaluation of both operator station and exterior sounds for mobile self-propelled construction, mining, forestry and agricultural machinery.	<u>L.A. Jennings</u>
(g) S12/L-7	<u>SAE Specialized Vehicle and Equipment Sound Level Committee</u> - Responsible for all SAE technical matters concerning sound emission, and its measurement, of surface vehicles, powered equipment, and their components which are under the direction of the Specialized Vehicle and Equipment Council.	<u>J.B. Walsh</u>
(h) S12/L-8	<u>ASTM E 33.09 on Community Noise</u> - Measurement and evaluation of noise and vibration in the community.	<u>R.M. Guernsey</u>

ATTACHMENT B-1
S12/206

STATUS REPORT

FIELD: STATUS: NOISE

COMMITTEE: S12

DESIGNATION/ EDITION	SUBJECT OR TITLE	STATUS	ACTIVITY	METHOD	COMMENTS OR EXPECTED DATE OF SUBMISSION TO ANSI
S3.14-1977 (R 1986)	Rating Noise with Respect to Speech Interference (S12/WG8)	RV	1	S	
S3.19-1974 (R 1990)	Method for the Measurement of Real-Ear Protection of Hearing Protectors and Physical Attenuation of Earmuffs (S12/WG10)	RV	1	S	Partially superseded by S12.6-1984. Remainder to be superseded by new standard being written
S12.1-1983 (R 1990)	Guidelines for the Preparation of Standard Procedures for the Determination of Noise Emission	RV		S	
S12.2-199X	Criteria for Room Noise (S12/WG18) (i) Criteria for time-varying noise (ii) Criteria for steady-use room noise (iii) Method for measuring room noise	NS	3	S	
STATUS		ACTIVITY		METHOD	
NS - NEW STD IN PROCESS	NR - NEEDS REVIEW	O-NONE	4-ANSI STANDARDS ACTION	C-ACCREDITED CANVASS	
RF - REAFFIRMATION IN PROC.	AP - ANSI APPROVED	1-FORMATIVE STAGE	5-OBJECTIONS BEING CONSIDERED	O-ACCREDITED ORGANIZATION	
RV - REVISION IN PROCESS	OP - OUT OF PRINT	2-DRAFTING STANDARD	6-ANSI CONSIDERING APPROVAL	S-ACCREDITED STDS. COMMITTEE	
WD - WITHDRAWAL IN PROCESS	NA - NOT YET AVAIL.	3-VOTING ON PROPOSAL		X-NOT INTENDED FOR ANSI	
ES - ENVIRONMENTAL SOUND	UD - UP-TO-DATE				
SP - SUBMITTED PINS FORM					

STATUS REPORT

FIELD: STATUS: NOISE

COMMITTEE: S12

DESIGNATION/ EDITION	SUBJECT OR TITLE	STATUS	ACTIVITY	METHOD	COMMENTS OR EXPECTED DATE OF SUBMISSION TO ANSI
S12.3-1985 (R 1990)	Statistical Methods for Determining and Verifying Stated Noise Emission Values of Machinery and Equipment (counterpart to ISO/DIS 7574) (S12/WG7)	UD		S	
S12.4-1986	Method for Assessment of High-Energy Impulsive Sounds with Respect to Residential Communities (S12/WG9)	UD	1	S	
S12.5-1985 (R 1990)	Requirements for the Performance and Calibration of Reference Sound Sources (ISO/DIS 6926) (S12/WG23)	UD		S	
S12.6-1984 (R 1990)	Method for the Measurement of the Real-Ear Attenuation of Hearing Protectors (S12/WG10)	UD		S	S12.6-1984 partially supersedes S3.19-1974. Remainder to be super- seded by new standard being written
STATUS		ACTIVITY			METHOD
NS - NEW STD IN PROCESS	NR - NEEDS REVIEW	0-NONE	4-ANSI STANDARDS ACTION	C-ACCREDITED CANVASS	
RF - REAFFIRMATION IN PROC.	AP - ANSI APPROVED	1-FORMATIVE STAGE	5-OBJECTIONS BEING CONSIDERED	O-ACCREDITED ORGANIZATION	
RV - REVISION IN PROCESS	OP - OUT OF PRINT	2-DRAFTING STANDARD	6-ANSI CONSIDERING APPROVAL	S-ACCREDITED STDS. COMMITTEE	
WD - WITHDRAWAL IN PROCESS	NA - NOT YET AVAIL.	3-VOTING ON PROPOSAL		X-NOT INTENDED FOR ANSI	
ES - ENVIRONMENTAL SOUND	UD - UP-TO-DATE				
SP - SUBMITTED PINS FORM					

ATTACHMENT B-3
S12/206

STATUS REPORT

FIELD: STATUS: NOISE

COMMITTEE: S12

DESIGNATION/ EDITION	SUBJECT OR TITLE	STATUS	ACTIVITY	METHOD	COMMENTS OR EXPECTED DATE OF SUBMISSION TO ANSI						
S12.7-1986	Methods for Measurements of Impulse Noise	UD		S							
S12.8-1987	Methods for Determination of Insertion Loss of Outdoor Noise Barriers (S12/WG6)	UD	3	S							
S12.9-1988/ Part 1	Quantities and Procedures for Description and Measurement of Environmental Sound <u>Part 1</u> (S12/WG15)	UD	0	S							
S12.9-199X/ Part 2	Quantities and Procedures for Description and Measurement of Environmental Sound <u>Part 2</u> (S12/WG15)	NS	2	S							
<table><tr><th>STATUS</th><th>ACTIVITY</th><th>METHOD</th></tr><tr><td>NS - NEW STD IN PROCESS RF - REAFFIRMATION IN PROC. RV - REVISION IN PROCESS WD - WITHDRAWAL IN PROCESS ES - ENVIRONMENTAL SOUND SP - SUBMITTED PINS FORM</td><td>4-ANSI STANDARDS ACTION 5-OBJECTIONS BEING CONSIDERED 6-ANSI CONSIDERING APPROVAL</td><td>C-ACCREDITED CANVASS O-ACCREDITED ORGANIZATION S-ACCREDITED STDs COMMITTEE X-NOT INTENDED FOR ANSI</td></tr></table>						STATUS	ACTIVITY	METHOD	NS - NEW STD IN PROCESS RF - REAFFIRMATION IN PROC. RV - REVISION IN PROCESS WD - WITHDRAWAL IN PROCESS ES - ENVIRONMENTAL SOUND SP - SUBMITTED PINS FORM	4-ANSI STANDARDS ACTION 5-OBJECTIONS BEING CONSIDERED 6-ANSI CONSIDERING APPROVAL	C-ACCREDITED CANVASS O-ACCREDITED ORGANIZATION S-ACCREDITED STDs COMMITTEE X-NOT INTENDED FOR ANSI
STATUS	ACTIVITY	METHOD									
NS - NEW STD IN PROCESS RF - REAFFIRMATION IN PROC. RV - REVISION IN PROCESS WD - WITHDRAWAL IN PROCESS ES - ENVIRONMENTAL SOUND SP - SUBMITTED PINS FORM	4-ANSI STANDARDS ACTION 5-OBJECTIONS BEING CONSIDERED 6-ANSI CONSIDERING APPROVAL	C-ACCREDITED CANVASS O-ACCREDITED ORGANIZATION S-ACCREDITED STDs COMMITTEE X-NOT INTENDED FOR ANSI									

ATTACHMENT B-4
S12/206

STATUS REPORT

FIELD: STATUS: NOISE

COMMITTEE: S12

DESIGNATION/ EDITION	SUBJECT OR TITLE	STATUS	ACTIVITY	METHOD	COMMENTS OR EXPECTED DATE OF SUBMISSION TO ANSI
S12.10-1985 (R 1990)	Methods for the Measurement and Designation of Noise Emitted by Computer and Business Equipment (S12/WG3) (revision of ANSI S1.29-1979)	UD			
S12.11-1987	Methods for the Measurement of Noise Emitted Air-Moving Devices (S12/WG3)	NS	2	S	
S12.12-199X	Determination of Sound Power Using Sound Intensity Measurements (S12/WG21)	NS;SP	2	S	
Draft S12.13- 1991	Evaluation of Hearing Conservation Programs (S12/WG12)	NS;SP	6	S	
NS - NEW STD IN PROCESS RF - REAFFIRMATION IN PROC. RV - REVISION IN PROCESS WD - WITHDRAWAL IN PROCESS ES - ENVIRONMENTAL SOUND SP - SUBMITTED PINS FORM STATUS ACTIVITY METHOD					
NR - NEEDS REVIEW AP - ANSI APPROVED OP - OUT OF PRINT NA - NOT YET AVAIL. UD - UP-TO-DATE 0-NONE 1-FORMATIVE STAGE 2-DRAFTING STANDARD 3-VOTING ON PROPOSAL 4-ANSI STANDARDS ACTION 5-OBJECTIONS BEING CONSIDERED 6-ANSI CONSIDERING APPROVAL C-ACCREDITED CANVASS O-ACCREDITED ORGANIZATION S-ACCREDITED STDS. COMMITTEE X-NOT INTENDED FOR ANSI					

STATUS REPORT

FIELD: STATUS: NOISE

COMMITTEE: S12

DESIGNATION/ EDITION	SUBJECT OR TITLE	STATUS	ACTIVITY	METHOD	COMMENTS OR EXPECTED DATE OF SUBMISSION TO ANSI																												
S12.14-199X	Methods for the Field Measurement of the Sound Output of Audible Public Warning Devices Installed at Fixed Locations Outdoors (S12/WG29)	NS	2	S																													
S12.23-1989	Method for the Designation of Sound Power Emitted by Machinery and Equipment (revision of ANSI S1.23-1976 and ANSI S3.17-1975)	UD		S																													
S12.30-1990	Guidelines for the Use of Sound Power Standards and for the Preparation of Noise Test Codes (counterpart to ISO 3740-1980) (S12/WG23) (Revision and Redesignation of S1.30-1979)	UD		S																													
<table><tr><th colspan="2">STATUS</th><th>ACTIVITY</th><th>METHOD</th></tr><tr><td>NS - NEW STD IN PROCESS</td><td>NR - NEEDS REVIEW</td><td>0-NONE</td><td>4-ANSI STANDARDS ACTION</td></tr><tr><td>RF - REAFFIRMATION IN PROC.</td><td>AP - ANSI APPROVED</td><td>1-FORMATIVE STAGE</td><td>5-OBJECTIONS BEING CONSIDERED</td></tr><tr><td>RV - REVISION IN PROCESS</td><td>OP - OUT OF PRINT</td><td>2-DRAFTING STANDARD</td><td>6-ANSI CONSIDERING APPROVAL</td></tr><tr><td>WD - WITHDRAWAL IN PROCESS</td><td>NA - NOT YET AVAIL.</td><td>3-VOTING ON PROPOSAL</td><td></td></tr><tr><td>ES - ENVIRONMENTAL SOUND</td><td>UD - UP-TO-DATE</td><td></td><td></td></tr><tr><td>SP - SUBMITTED PINS FORM</td><td></td><td></td><td></td></tr></table>						STATUS		ACTIVITY	METHOD	NS - NEW STD IN PROCESS	NR - NEEDS REVIEW	0-NONE	4-ANSI STANDARDS ACTION	RF - REAFFIRMATION IN PROC.	AP - ANSI APPROVED	1-FORMATIVE STAGE	5-OBJECTIONS BEING CONSIDERED	RV - REVISION IN PROCESS	OP - OUT OF PRINT	2-DRAFTING STANDARD	6-ANSI CONSIDERING APPROVAL	WD - WITHDRAWAL IN PROCESS	NA - NOT YET AVAIL.	3-VOTING ON PROPOSAL		ES - ENVIRONMENTAL SOUND	UD - UP-TO-DATE			SP - SUBMITTED PINS FORM			
STATUS		ACTIVITY	METHOD																														
NS - NEW STD IN PROCESS	NR - NEEDS REVIEW	0-NONE	4-ANSI STANDARDS ACTION																														
RF - REAFFIRMATION IN PROC.	AP - ANSI APPROVED	1-FORMATIVE STAGE	5-OBJECTIONS BEING CONSIDERED																														
RV - REVISION IN PROCESS	OP - OUT OF PRINT	2-DRAFTING STANDARD	6-ANSI CONSIDERING APPROVAL																														
WD - WITHDRAWAL IN PROCESS	NA - NOT YET AVAIL.	3-VOTING ON PROPOSAL																															
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SP - SUBMITTED PINS FORM																																	
			C-ACCREDITED CANVASS																														
			O-ACCREDITED ORGANIZATION																														
			S-ACCREDITED STDS. COMMITTEE																														
			X-NOT INTENDED FOR ANSI																														

STATUS REPORT

FIELD: STATUS: NOISE

COMMITTEE: S12

DESIGNATION/ EDITION	SUBJECT OR TITLE	STATUS	ACTIVITY	METHOD	COMMENTS OR EXPECTED DATE OF SUBMISSION TO ANSI
S12.31-1990	Precision Methods for the Determination of Sound Power Levels of Broad-Band Noise Sources in Reverberation Rooms (counterpart to ISO 3741-1975) (S12/WG23) (Revision and Redesignation of S1.31-1979)	UD		S	
S12.32-1990	Precision Methods for the Determination of Sound Power Levels of Discrete-Frequency and Narrow-Band Noise Sources in Reverberation Rooms (counterpart to ISO 3742-1975) (S12/WG23) (Revision and Redesignation of S1.32-1979)	UD		S	
S12.33-1990	Engineering Methods for the Determination of Sound Power Levels of Noise Sources in a Special Reverberation Test Room (counterpart to ISO 3743-1976) (S12/WG23) (Revision and Redesignation of S1.33-1979)	UD		S	

STATUS	ACTIVITY	METHOD
NS - NEW STD IN PROCESS RF - REAFFIRMATION IN PROC. RV - REVISION IN PROCESS WD - WITHDRAWAL IN PROCESS ES - ENVIRONMENTAL SOUND SP - SUBMITTED PINS FORM	NR - NEEDS REVIEW AP - ANSI APPROVED OP - OUT OF PRINT NA - NOT YET AVAIL. UD - UP-TO-DATE	C-ACCREDITED CANVASS O-ACCREDITED ORGANIZATION S-ACCREDITED STDS. COMMITTEE X-NOT INTENDED FOR ANSI
	4-ANSI STANDARDS ACTION 5-OBJECTIONS BEING CONSIDERED 6-ANSI CONSIDERING APPROVAL	
	0-NONE 1-FORMATIVE STAGE 2-DRAFTING STANDARD 3-VOTING ON PROPOSAL	

ATTACHMENT B-7
S12/206

STATUS REPORT

FIELD: STATUS: NOISE

COMMITTEE: S12

DESIGNATION/ EDITION	SUBJECT OR TITLE	STATUS	ACTIVITY	METHOD	COMMENTS OR EXPECTED DATE OF SUBMISSION TO ANSI
S12.34-1988	Engineering Methods for the Determination of Sound Power Levels of Noise Sources for Essentially Free-Field Conditions Over a Reflecting Plane (counterpart to ISO 3744-1981) (S12/WG23) (Revision and Redesignation of ANSI S1.34-1980)	UD		S	
S12.35-1990	Precision Methods for the Determination of Sound Power Levels of Noise Sources in Anechoic and Hemi-Anechoic Rooms (counterpart to ISO/DIS 3745) (S12/WG23) (Revision and Redesignation of S1.35-1979)	UD		S	
S12.36-1990	Survey Methods for the Determination of Sound Power Levels of Noise Sources (counterpart to ISO/DIS 3746) (S12/WG23) (Revision and Redesignation of S1.36-1979)	UD		S	

STATUS	ACTIVITY	METHOD
NS - NEW STD IN PROCESS RF - REAFFIRMATION IN PROC. RV - REVISION IN PROCESS WD - WITHDRAWAL IN PROCESS ES - ENVIRONMENTAL SOUND SP - SUBMITTED PINS FORM	NR - NEEDS REVIEW AP - ANSI APPROVED OP - OUT OF PRINT NA - NOT YET AVAIL. UD - UP-TO-DATE	C-ACCREDITED CANVASS O-ACCREDITED ORGANIZATION S-ACCREDITED STDS. COMMITTEE X-NOT INTENDED FOR ANSI
	4-ANSI STANDARDS ACTION 5-OBJECTIONS BEING CONSIDERED 6-ANSI CONSIDERING APPROVAL	
	1-FORMATIVE STAGE 2-DRAFTING STANDARD 3-VOTING ON PROPOSAL	

ATTACHMENT B-8
S12/206

STATUS REPORT

FIELD: STATUS: NOISE

COMMITTEE: S12

DESIGNATION/ EDITION	SUBJECT OR TITLE	STATUS	ACTIVITY	METHOD	COMMENTS OR EXPECTED DATE OF SUBMISSION TO ANSI
S12.40-1990	Sound Level Descriptors for Determination of Compatible Land Use (S12/WG15) (Revision and Redesignation of S3.23-1980)	UD		S	
S12.XX-199X	Measurement and Evaluation of Outdoor Community Noise (S12/WG15)	NS;SP	1	S	
S12.XX-199X	Determination of Sound Power Levels of Sound Sources-- Methods for in situ Measurement Using a Reference Sound Source (counterpart to ISO/DIS 3747) (S12/WG23)	NS	2	S	
S12.XX-199X	Measurement of Occupational Noise Exposure (S12/WG19)	NS;SP	1	S	
NS - NEW STD IN PROCESS RF - REAFFIRMATION IN PROC. RV - REVISION IN PROCESS WD - WITHDRAWAL IN PROCESS ES - ENVIRONMENTAL SOUND SP - SUBMITTED PINS FORM STATUS ACTIVITY METHOD					
NS - NEEDS REVIEW AP - ANSI APPROVED OP - OUT OF PRINT NA - NOT YET AVAIL. UD - UP-TO-DATE STATUS ACTIVITY METHOD					
NR - NEEDS REVIEW AP - ANSI APPROVED OP - OUT OF PRINT NA - NOT YET AVAIL. UD - UP-TO-DATE STATUS ACTIVITY METHOD					
O-NONE 1-FORMATIVE STAGE 2-DRAFTING STANDARD 3-VOTING ON PROPOSAL STATUS ACTIVITY METHOD					
4-ANSI STANDARDS ACTION 5-OBJECTIONS BEING CONSIDERED 6-ANSI CONSIDERING APPROVAL STATUS ACTIVITY METHOD					
C-ACCREDITED CANVASS O-ACCREDITED ORGANIZATION S-ACCREDITED STDS. COMMITTEE X-NOT INTENDED FOR ANSI STATUS ACTIVITY METHOD					



ACOUSTICAL SOCIETY OF AMERICA

S12/206
ATTACHMENT C-1

OFFICE OF THE
STANDARDS SECRETARIAT

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STANDARDS MANAGER

335 EAST 45TH STREET, NEW YORK, NEW YORK 10017-3483

Telephone (212) 681-8404
Telex 960983 AMINSTPHYS NYK
Telefax (212) 949-0473

22 February 1991

TO: D.L. Johnson, Chair S12

Re: Letter Ballot LB/S12/197 sent to the Accredited
Standards Committee S12 on 20 November 1990
to be closed on 2 January 1991, deadline extended
23 January 1991

SUBJECT: Approval of proposed revision of ANSI S1.1-1960
Acoustical Terminology, first draft, Acoustical
and Electroacoustical Terminology, dated July 1990

Enclosed please find tally of the above letter ballot, showing results
as follows:

		<u>CLASSIFICATION OF MEMBERS</u>	
AFFIRMATIVE VOTES	<u>15</u>	P - PRODUCER	<u>12</u>
NEGATIVE VOTES	<u>1</u>	C - CONSUMER	<u>6</u>
ABSTENTIONS	<u>2</u>	G - GOVERNMENT	<u>6</u>
NOT RETURNED	<u>13</u>	GI - GENERAL INTEREST	<u>7</u>
TOTAL	<u>31</u>	TOTAL	<u>31</u>

Continuation of results of letter ballot S12/197:

AFFIRMATIVE VOTES:

Atack, R.M.	U.S. Army Medical Corps.
Callahan, R.	Power Tool Institute, Inc.
Chial, M.R.	Audio Engineering Society
Davis, L.	Larson-Davis Laboratories
Goodwin, R.	Acoustical Systems, Inc.
Johnson, D.L.	Acoustical Society of America
Kasten, R.	American Speech-Language-Hearing Association
Luttrell, L.F.	Computer & Business Equipment Manufacturers Association
Naunton, R.F.	American Academy of Otolaryngology Head and Neck Surgery
Naunton, R.F.	American Otological Society
Page, J.	U.S. Dept. of the Navy, BUREAU OF MEDICINE AND SURGERY
Pei, H.S.	American Society of Heating and Refrigeration and Air-Conditioning
Schomer, P.D.	U.S. Department of the Army, Environmental Office
Vendittis, D.	David Taylor Research Center
Wang, S.	Air-Conditioning and Refrigeration Institute

NEGATIVE VOTES:

Bohl, C.D.	American Industrial Hygiene Association
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ABSTENTIONS:

Campbell, R.	Industrial Equipment Association, Inc. (1st. Alternate-Bovi)
Toothman, E.H.	Fastener Industry Noise Control Research Program

Continuation of results of letter ballot S12/197:

AFFIRMATIVE VOTES:

Atack, R.M.	U.S. Army Medical Corps.
Callahan, R.	Power Tool Institute, Inc.
Chial, M.R.	Audio Engineering Society
Davis, L.	Larson-Davis Laboratories
Goodwin, R.	Acoustical Systems, Inc.
Johnson, D.L.	Acoustical Society of America
Kasten, R.	American Speech-Language-Hearing Association
Luttrell, L.F.	Computer & Business Equipment Manufacturers Association
Naunton, R.F.	American Academy of Otolaryngology Head and Neck Surgery
Naunton, R.F.	American Otological Society
Page, J.	U.S. Dept. of the Navy, BUREAU OF MEDICINE AND SURGERY
Pei, H.S.	American Society of Heating and Refrigeration and Air-Conditioning
Schomer, P.D.	U.S. Department of the Army, Environmental Office
Vendittis, D.	David Taylor Research Center
Wang, S.	Air-Conditioning and Refrigeration Institute

NEGATIVE VOTES:

Bohl, C.D.	American Industrial Hygiene Association
------------	--

ABSTENTIONS:

Campbell, R.	Industrial Equipment Association, Inc. (1st. Alternate-Bovi)
Toothman, E.H.	Fastener Industry Noise Control Research Program

Continuation of results of letter ballot S12/197:

S12/206

ATTACHMENT C-3

NOT RETURNED:

Addington, J.H.	Compressed Air and Gas Institute
Bareham, J.R.	Bruel & Kjaer Instruments, Inc.
Brownson, P.J.	American College of Occupational Medicine
Erdreich, J.	National Council of Acoustical Consultants
Flynn, D.	National Bureau of Standards and Technology
McKinley, R.L.	U.S. Department of the Air Force
Mingoia, M.C.	Edison Electric Institute (Alternate)
Mozo, B.	American Academy of Otolaryngology Head and Neck Surgery
Peppin, R.J.	Scantek, Inc.
Price, G.R.	U.S. Army Human Engineering Laboratory
Rawlings, D.	National Electrical Manufacturers Association (NEMA)
Roth, S.I.	ALCOA
Tedrick, R.	Federal Aviation Administration

LATE RESPONSE

Johnson, D.L.	Acoustical Society of America
Naunton, R.F.	American Academy of Otolaryngology Head and Neck Surgery
Naunton, R.F.	American Otological Society
Page, J.	U.S. Department of the Navy, BUREAU OF MEDICINE AND SURGERY
Vendittis, D.	David Taylor Research Center

INDIVIDUAL EXPERTS:

- 1) Individual Experts stating they will participate in the review of the document:

Baade, P.K.
Johnson, D.L.
Young, R.W.

- 2) Comments and/or recommendations were received from 2 Individual Experts, as follows:

Baade, P.K.
Young, R. W.

Continuation of results of letter ballot S12/197:

OTHER

- 1) Additional comments were received from the following, who are not members of S12:

Paul B. Ostergaard, P.E.
Senior Consultant

Ostergaard Acoustical Associates

Avril Brenig
Standards Manager

cc: Vice Chair, Standards Committee
Chair and Vice Chair, ASACOS
Chair, Working Group



ACOUSTICAL SOCIETY OF AMERICA

S12/206
ATTACHMENT C-5

OFFICE OF THE
STANDARDS SECRETARIAT

AVRIL BRENIG, Dr. P. H.
STANDARDS MANAGER

335 EAST 45TH STREET, NEW YORK, NEW YORK 10017-3483

Telephone: (212) 661-9404
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IMMEDIATE RETURN REQUESTED

LB/S12/197
20 November 1990

S12 BALLOT

Return to: Letter Ballot Department
Due date: 2 January 1991

LETTER BALLOT ACCREDITED STANDARDS COMMITTEE ON NOISE, S12

Topic: Approval of proposed revision of ANSI S1.1-1960 Acoustical Terminology, first draft, Acoustical and Electroacoustical Terminology, dated July 1990

Authorized by: D.L. Johnson, Chair S12
K.M. Eldred, Chair ASACOS

Circulated by: A. Brenig, ASA Standards Manager

Reference Document:

ATTACHMENT A - Letter from D.L. Johnson, Chair S12, to A. Brenig, dated 4 September 1990

ATTACHMENT B - Letter from D.L. Johnson, Chair S12, to S1, S3, and S12 Members, dated 4 September 1990

DOC/ATTACHMENT C - First Draft, Acoustical and Electroacoustical Terminology, proposed ANSI S1.1-199X, dated July 1990 (proposed revision of ANSI S1.1-1960)

Background Information:

The standard on Acoustical Terminology, ANSI S1.1-1960, is obsolete and has been withdrawn by ANSI. A plan was established in the ASA Committee on Standards (ASACOS) to prepare the overall revision of ANSI S1.1-1960. This plan called for development of a main terminology standard, to include terms from the S1 and S12 Standards Committees, and to list those terms from the S3 and S2 Standards Committees, which are common to all groups. Additionally, the plan is to list terms from other ASA Technical Committees, and these are included in the document.

LB/S12/197
20 November 1990

It is planned that Standards Committee S3, Bioacoustics, will develop its own discrete terminology standard, basically a revision of ANSI S3.20-1973.

Standards Committee S2, Mechanical Shock and Vibration plans to convert ISO 2041-1990 Vibration and Shock - Vocabulary, into a proposed national (S2) standard.

A compilation of terms has been prepared and is represented by the document now being balloted in S1, S3 and S12 (ATTACHMENT C, above).

Mr. Daniel Johnson, former S1 Chair and now S12 Chair, has put together the present document, which is being submitted simultaneously, to Standards Committees S1, S3 and S12 for vote and comment. This document is also being circulated to Standards Committee S2, and to Chairs of the ASA Technical Committees, from which Committees all comments are welcomed.

LB/S12/197
20 November 1990

Question:

Shall Accredited Standards Committee on Noise, S12, approve the proposed revision of ANSI S1.1-1960, first draft, dated July 1990, of ANSI S1.1-199X Acoustical and Electroacoustical Terminology, as a proposed ANSI Standard?

MEMBER _____	YES _____ NO _____ ABSTAIN _____
REPRESENTING _____	If you abstain from voting, please state your reasons: _____
<u>TO MEMBERS:</u> Please indicate your classification for the purpose of this ballot as follows:	
PRODUCER _____	_____
CONSUMER _____	SIGNATURE _____
GOVERNMENT _____	PRINT NAME _____
GENERAL INTEREST _____	DATE _____

INSTRUCTIONS FOR SUBMISSION OF COMMENTS:

- (1) IF YOU ABSTAIN FROM VOTING OR VOTE NEGATIVE, YOU MUST STATE YOUR REASONS IN RETURNING THIS BALLOT.
- (2) ALL SUBMITTED COMMENTS SHOULD BE CLEARLY MARKED EITHER TECHNICAL OR EDITORIAL.
- (3) COMMENTS WHICH FORM THE BASIS FOR A NEGATIVE VOTE OR AN ABSTENTION SHOULD BE CLEARLY IDENTIFIED AS SUCH.
- (4) A SPECIFIC STATEMENT INDICATING THE CHANGES THAT WOULD LEAD TO REVERSAL OF A NEGATIVE VOTE SHOULD ACCOMPANY ALL NEGATIVE BALLOTS.

NOTE: FAILURE TO RESPOND TO THREE (3) SUCCESSIVE BALLOTS MAY RESULT IN YOUR ORGANIZATION'S OR YOUR OWN REMOVAL FROM COMMITTEE MEMBERSHIP ROLLS.

13 February 1991

S12/WG10

HEARING PROTECTOR MEASUREMENT

A meeting of Working Group S12.10 has not been scheduled pending completion of revision of the first draft of the document for the physical real-ear attenuation measurement of hearing protection devices (miniature microphone under the hearing protector). Versions of proposed "miniature microphone under the hearing protection device" procedures based on the method and proposal from the US Army, Ft Rucker, have been circulated as proposed standard methods both within the Department of Defense and (US Army is the responsible agency) and the Area Standards Coordinating Committee (ASCC), Working Group 61. ASCC is an organization comprised of representatives from the five English speaking nations with objectives that include standardization of flight safety procedures, activities and operations. Both of the versions, although being independently reviewed, are very similar.

Some members of WG S12.10 (Nixon, McKinley, Patterson, Mozo) have reviewed and provided comments on these documents. In addition to comments on the first S12.10 draft from its members, the Chair has obtained copies of comments from several reviewers of the Department of Defense and the ASCC versions. These comments are being utilized in the preparation of S12.10 Draft 2 to be circulated to members for review.

In my opinion, both of these drafts have not adequately addressed important issues that must be resolved to ensure the best possible procedure consistent with knowledge and experience. Some of these issues are procedural and concern such things as how the miniature microphone is to be mounted, whether the ear canal is open or closed, how many measurements, measure one or both ears, and the like. Other issues deal with applications type issues such as when is the miniature microphone methods to be used instead of the REAT, how are the differences in the results obtained with this method and the REAT to be explained and treated, and the like. Some of the methodological issues may be resolved with measurements and experimentation, however the interpretation and application issues will involve negotiations. This "mini-mic" method appears to be relatively simple, however the details essential to a good standard are quite complex.

The facility and staffing issues in the Biocommunications Laboratory in Dayton, Ohio have been resolved and measurements with the physical-real ear method should begin in the next thirty to forty-five days.

C. Nixon, Chair
S12/WG10

S12/206
ATTACHMENT E

**REPORT OF MEETING OF S12/WG12 EVALUATION OF HEARING CONSERVATION
PROGRAMS ON 2 MAY 1991**

The S12/WG12 members are planning a series of announcements and news articles to publicize the draft standard once it is published in order to stimulate trial use and comment. If it would be possible to distribute a limited number of complimentary copies to influential association and to potential high-return users (such as providers of hearing conservation mobile audiometry and/or audiometric record review), the S12/WG12 Chair would like to do this to promote trial use.

J.D. Royster, Chair S12/WG12

S12/206
ATTACHMENT F

REPORT OF MEETING OF S12/WG18 CRITERIA IN ROOM NOISE HELD 1 MAY 1991

Attendees: R. Guernsey, L. Beranek, G. Winzer, J. Erdreich, E. Cohen, R. Peppin, J. Casali, G. Robinson

1. We discussed progress to date. G. Winzer suggested that the working group sponsor a special session at a future ASA meeting to bring together the diverse opinions about this subject. We agreed to consider this in the future.
2. E. Cohen presented a design curve for thresholds for critical spaces. She said she and L. Beranek agreed that this was a reasonable compromise. The data were presented in 1/3rd Octave Band.
3. R. Peppin passed around a copy of W. Blazier's letter expressing his concerns about further progress on this standard. We agreed that no present scheme handles the rumble problem correctly.
4. After a discussion about where to proceed from here, we decided the following:
 - a) E. Cohen would provide R. Peppin with a copy of her curve and rationale for its development.
 - b) R. Guernsey would provide R. Peppin with a copy of his latest draft of a preliminary standard incorporating NCB curves.
 - c) R. Peppin would mark up a draft, incorporating E. Cohen's curve, return to R. Guernsey for retyping and send to all members for review (by 1 September 1991).
 - d) R. Peppin would incorporate members' comments and circulate next draft for a Tuesday morning meeting (7:00 A.M.) in Houston, Texas, if we decide to meet there (November 1991).
 - e) We agreed that this set of curves was for steady noise, no transient, no rumble, no universal noise. While we realize this will be far from perfect, we feel it will be, at least, an interim step.
 - f) Further work, modification or total revision, may result when incorporating proposal variation and spatial variation and measurement problems.

R.J. Peppin, Chair S12/WG18

FROM: William R. Thornton
John Barry

AT: WTT
AT: OSHA

DATE: January 11, 1991

SUBJECT: S12-19 Draft & Meeting Notice

During December 1990, I transmitted drafts of the standard to John via US Mail and the package was lost. Since some of the originals were in the package, we are not sure which drafts were doomed to US Mail heaven. Please help us by resubmitting your draft IMMEDIATELY to John Barry. His address is as follows:

Dr. John Barry
Department of Labor - OSHA
3535 Market Street
Philadelphia PA 19104

EVERYONE on the committee MUST respond. Indicate one of the following:

- 1) I was assigned a section to write and I sent a draft.
- 2) I was assigned a section to write but I did not respond.
- 3) I was not assigned a section to write.

We are receiving pressure to complete the draft and standard from Dan Johnson and others. John and I are having trouble with slow responses by some committee members. In the future, unresponsive members will be replaced with people who will complete their tasks on schedule. Please review your work status. If you cannot complete work on time, you should submit a letter of resignation.

After all drafts are received, we will immediately send out a package of these drafts for your review. A meeting will be held on Feb 26, 1991 at OSHA in Philadelphia at 9:00 AM for one day. We will review the comments and drafts and use them to develop the first draft of the standard. John and I want to complete a first draft for the ASA meeting this spring.

Both John and I will attend the ASA meeting in Baltimore and we will hold a meeting of S12-19. We will announce the time and place. Please plan on attending if possible. Let us know if you will be attending.

If you have questions, please call me or John.

ALUMINUM COMPANY OF AMERICA
ALCOA BUILDING
PITTSBURGH, PENNSYLVANIA 15212



1991 May 06

COMMITTEE CORRESPONDENCE

Dr. Avril Brénig
Acoustical Society of America
335 East 45th Street
New York, NY 10017-3483

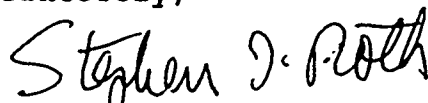
RE: STATUS OF S12/WG20, SPECIFICATION OF THE NOISE OF NEW
MACHINERY AT THE OPERATOR'S POSITION

Dear Avril:

The S12/WG20 Working Group met on 1991 May 01 in Baltimore. A working draft was discussed and will be reviewed. We expect to have a draft for review by the Chair of S12 and then in shape for ballot of S12 before the Houston ASA meeting.

During the Baltimore ASA meeting, Working Group Chair Stephen Roth presented a technical paper on the history and progress of S12/WG20. The audience had many questions and comments regarding the proposed standard, all of which will be considered in the writing of the standard.

Sincerely,



S. I. Roth
Chair, S12/WG20

/mas



ACOUSTICAL SOCIETY OF AMERICA

OFFICE OF THE
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DR. AVRIL BREING
STANDARDS MANAGER

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THIRTY-DAY REVIEW/S12.12/207
26 April 1991

TO THE VOTING MEMBERS OF ACCREDITED
STANDARDS COMMITTEE ON NOISE, S12

THIRTY (30) DAY REVIEW

on

proposed ANSI Standard ENGINEERING METHOD FOR THE DETERMINATION OF
SOUND POWER LEVELS OF NOISE SOURCES USING SOUND INTENSITY, Third
Draft, Dated November 1990, ANSI S12.12-199X

By letter ballot LB/S12.12/142, a draft of the proposed standard dated May 1987 was circulated to S12 on 1 July 1987. The ballot was closed on 13 August 1987 with 21 affirmative votes, 3 negative votes (Harold, Air-Conditioning and Refrigeration Institute; Luttrell, Computer and Business Equipment Manufacturers Association, and Peppin, Scantek, Inc.), no abstentions, and 6 ballots not returned. By letter dated 16 March 1988, Mr. H.S. Pei of ASHRAE, changed his vote from affirmative to "conditional affirmative".

By letter dated 10 December 1987, Messrs. G.C. Maling, and W.W. Lang, both Individual Experts on S12, submitted negative comments on the proposed standard.

Mr. M.J. Crocker and his working group (S12/WG21) have worked extensively to address the comments received on the ballot, and have communicated with the Standards Committee and individual commentators to try to resolve their objections and establish consensus.

Subsequently, Mr. R.J. Peppin changed his negative vote to affirmative via communications dated 24 May 1989, and confirmed on 2 April 1991. By letter dated 17 December 1990, Mr. S. Wang changed the Air-Conditioning and Refrigeration Institute ballot to affirmative. Mr. H.S. Pei, by letter of 4 April 1991, changed his vote to affirmative.

Mr. L. Luttrell, by letter dated 17 March 1990, has reaffirmed his negative position. No replies have been received, to date, from either Mr. G.C. Maling or Mr. W.W. Lang as a result of attempts to address their negative position on the draft standard. There are therefore one outstanding negative vote (Luttrell) and two outstanding negative positions (Lang and Maling) on the subject document.

**THIRTY-DAY REVIEW/S12.12/207
26 April 1991**

Accordingly, the revised text of proposed ANSI S12.12-199X, dated November 1990, is now enclosed for your review, as well as the pertinent correspondence, in order that you can review the subject. You now have the opportunity, under ANSI procedures, via this 30-Day Review, to change your vote in accordance with the outstanding negative vote and positions (Luttrell, Lang and Maling, respectively) on the proposed standard. If we do not hear from you by 28 May 1991, we will assume that you wish your original vote to stand. Provided there is consensus on the proposed standard, according to ANSI procedures, therefore, we would then propose to submit the draft, dated November 1990, to ANSI for formal approval as an ANSI standard.

It is considered that all efforts have been made, over an extended period of time, to meet the objections of those who have submitted comments. Mr. Daniel Johnson, Chair of Accredited Standards Committee S12, Noise, and Mr. Malcolm Crocker, Chair of the preparatory working group, S12/WG21, both recommend approval of the draft, dated November 1990, as an ANSI Standard.

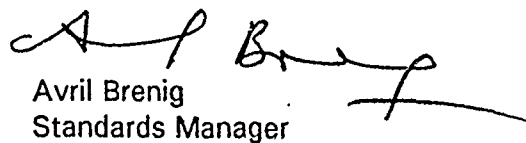
The document and correspondence, which are submitted to S12 voting members as part of this 30-Day Review, are listed below:

o CORRESPONDENCE

- A. Memorandum dated 11 April 1991 from M.J. Crocker to A. Brenig
- B. Letter dated 4 April 1991 from H.S. Pei to A. Brenig
- C. Letter dated 27 March 1991 from L.F. Luttrell to M.J. Crocker
- D. Communication dated 2 April 1991 from R.J. Peppin to M.J. Crocker
- E. Memorandum dated 18 March 1991 from M.J. Crocker to L.F. Luttrell
- F. Memorandum dated 14 February 1991 from L.F. Luttrell to M.J. Crocker
- G. Letter dated 11 February 1991 from M.J. Crocker to L.F. Luttrell
- H. Memorandum dated 2 January 1991 from D.L. Johnson to W.W. Lang
- I. Letter dated 17 December 1990 from S. Wang to M.J. Crocker
- J. Letter dated 23 November 1990 from W.W. Lang to K.M. Eldred
- K. Memorandum dated 19 November 1990 from D.L. Johnson to Standards Committee S12
- L. Memorandum dated 19 November 1990 from D.L. Johnson to A. Brenig
- M. Letter dated 16 November 1990 from M.J. Crocker to D.L. Johnson
- N. Communication dated 24 May 1989 from R.J. Peppin to M.J. Crocker
- O. Letter dated 10 December 1987 from G.C. Maling and W.W. Lang to A. Brenig
- P. Memorandum dated 11 August 1987 from L.F. Luttrell to A. Brenig

o DOCUMENT

Proposed ANSI S12.12-199X, third draft, dated November 1990, Engineering Method for the Determination of Sound Power Levels of Noise Sources using Sound Intensity.


Avril Brenig
Standards Manager

**REPORT OF MEETING OF S12/WG21 DETERMINATION OF SOUND POWER USING
SOUND INTENSITY MEASUREMENTS ON 2 MAY 1991**

When the draft of the proposed sound power from sound intensity standard was circulated in Summer 1987, it received 21 positive votes and three negative votes. In 1988 an extensive round-robin was undertaken using the standard. Seventeen independent laboratories in North America took part and the results obtained were very encouraging.

In 1988 the ASHRAE vote was changed from "affirmative" to "conditional affirmative". Also in late 1987, individual experts William W. Lang and G.C. Maling submitted negative comments on the standard.

In the last year or two, S12/WG21 has worked extensively to try to resolve these negative votes and comments. Subsequently, Mr. R.J. Peppin submitted written communications in 1989 and April 1991 withdrawing his negative vote and changing it to positive. In December 1990, Mr. Y.S. Wang changed the ARI vote in writing from negative to positive. In April 1991, Mr. H.S. Pei changed the ASHRAE vote to positive.

Mr. Lyle Luttrell, after extensive correspondence and telephone communications over the last six months and two meetings with a subcommittee of S12/WG21 in 1987 and 1989, reaffirmed his negative position.

At the present, there remains one negative outstanding vote (Mr. Luttrell) and an outstanding negative position (Lang and Maling) on the proposed standard document.

Meetings of S12/WG21 were held both in San Diego and Baltimore. I believe that the consensus of the working group was that the standard should progress forward for adoption. I transmitted this information to A. Brenig and D. Johnson.

I am pleased to tell you that the revised text of the proposed ANSI S12.12-199X dated November 1990 was mailed out for a 30-day review, last Friday, April 21, 1991. The closing date for comments is 28 May 1991. I hope that provided the present consensus is maintained, that the third draft will be submitted to ANSI then for formal approval as an ANSI standard.

I believe that this standard is greatly needed by industry and will enable sound power measurements of machinery to be made in situ (even in hostile background noise conditions). I believe that the standard will be widely used by industry in North America.

Malcolm J. Crocker
Chair S12/WG21
2 May 1991

**REPORT OF WORKING GROUP S12/WG27 OUTDOOR MEASUREMENT OF SOUND
PRESSURE LEVEL ON 30 APRIL 1991**

The working group met on Tuesday, 30 April 1991, during the Baltimore ASA meeting. The draft is a proposal for two methods of measurement. The first method is a general method for routine measurements. The second method is an optimal method for precise measurements. Discussion is now focusing to obtain agreement within the working group on the conditions for these two measurement methods. Once agreement is secured, a final draft can be prepared and submitted for balloting. The working group hopes to achieve a final draft before the Houston ASA meeting (November 1991).

G. Daigle
Chair S12/WG27
Submitted to S12 on 2 May 1991



ACOUSTICAL SOCIETY OF AMERICA

OFFICE OF THE
STANDARDS SECRETARIAT

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15 April 1991

TO: D.L. Johnson, Chair S12

Re: Letter Ballot LB/S12/201 sent to Accredited
Standards Committee S12 on 15 February 1991
and closed on 29 March 1991

SUBJECT: Approval of new work item for S12, to revise ANSI/PTI S10.1
-1983 American National Standard for Acoustics - Portable
Electric Power Tools, Stationary and Fixed Electric Powered
Tools and Gardening Appliances - Measurement of Sound Emitted,
as a proposed ANSI Standard under the jurisdiction of
Accredited Standards Committee S12, Noise

Enclosed please find tally of the above letter ballot, showing results
as follows:

<u>CLASSIFICATION OF MEMBERS</u>			
AFFIRMATIVE VOTES	<u>24</u>	P - PRODUCER	<u>11</u>
NEGATIVE VOTES	<u>0</u>	C - CONSUMER	<u>6</u>
ABSTENTIONS	<u>0</u>	G - GOVERNMENT	<u>7</u>
NOT RETURNED	<u>7</u>	GI - GENERAL INTEREST	<u>7</u>
TOTAL	<u>31</u>	TOTAL	<u>31</u>

Continuation of results of letter ballot S12/201:

AFFIRMATIVE VOTES:

Atack, R.M.	U.S. Army Medical Corps.
Bohl, C.D.	American Industrial Hygiene Association
Bovi, A.M.	Industrial Safety Equipment Association, Inc.
Callahan R.	Power Tool Institute, Inc.
Chial, M.R.	Audio Engineering Society
Davis, L.	Larson-Davis Laboratories
Erdreich, J.	National Council of Acoustical Consultants
Goodwin, R.	Acoustical Systems, Inc.
Johnson, D.L.	Acoustical Society of America
Kasten, R.	American Speech-Language-Hearing Association
Luttrell, L.F.	Computer & Business Equipment Manufacturers Association
McKinley, R.L.	U.S. Department of the Air Force
Michel, G.C. (Alternate)	Bruehl & Kjaer Instruments, Inc.
Naunton, R.F.	American Academy of Otolaryngology Head and Neck Surgery
Naunton, R.F.	American Otological Society
Page, J.	U.S. Department of the Navy, BUREAU OF MEDICINE AND SURGERY
Pei, H.S.	American Society of Heating and Refrigeration and Air-Conditioning Engineers, Inc.
Peppin, R.J.	Scantek, Inc.
Price, G.	U.S. Army Human Engineering Lab.
Roth, S.I.	ALCOA
Schomer, P.D.	U.S. Dept. of the Army, Engineering Research Lab.
Toothman, E.H.	Fastener Industry Noise Control Research Program
Vendittis, D.	David Taylor Research Center
Wang, S.	Air-Conditioning and Refrigeration Institute

NEGATIVE VOTES:

None

Continuation of results of letter ballot S12/201:ABSTENTIONS:

None

NOT RETURNED:

Addington, J.H.

Brownson, P.J.

Flynn, D.

Fox, J.

Mozo, B.

Rawlings, D.

Tedrick, R.

Compressed Air and Gas Institute

American College of Occupational
Med. Assoc.National Institute of Standards
and Technology

Edison Electric Institute

U.S. Army Aeromedical Research Lab.

National Electrical Manufacturers
Association (NEMA)

Federal Aviation Administration

LATE RESPONSE:

Pei, H.S.

American Society of Heating and
Refrigeration and Air-Conditioning
Engineers, Inc.

Price, G.

U.S. Army Human Engineering Lab.

Avril Brenig
Standards Managercc: Standards Committee Vice Chair
ASACOS Chair and Vice Chair



ACOUSTICAL SOCIETY OF AMERICA

OFFICE OF THE
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S12/206
ATTACHMENT L-4

IMMEDIATE RETURN REQUESTED

LB/S12/201
15 February 1991

Return to: Letter Ballot Department
Due date: 29 March 1991

ADMINISTRATIVE LETTER BALLOT
ACCREDITED STANDARDS COMMITTEE
S12, NOISE

Topic: Approval of new work item for S12, to revise ANSI/PTI S10.1-1983 American National Standard for Acoustics - Portable Electric Power Tools, Stationary and Fixed Electric Powered Tools and Gardening Appliances - Measurement of Sound Emitted, as a proposed ANSI Standard under the jurisdiction of Accredited Standards Committee S12, Noise

Authorized by: D.L. Johnson, Chair S12

Distributed by: A. Brenig, ASA Standards Manager

Reference Document(s):

ATTACHMENT A Letter from Mr. James E. Bates, of the Power Tool Institute, to A. Brenig, letter received on 23 October 1990

Background Information:

Upon receipt of the letter noted in ATTACHMENT A, an item was placed on the S12 meeting agenda, to enable Mr. James E. Bates to explain to S12 the Power Tool Institute (PTI) request that S12 revise and take over the responsibility for the PTI Standard S10.1-1983 (title noted above), including the preparation of a proposed ANSI Standard in the area.

There was discussion and consensus at the meeting of S12, held on Thursday, 29 November 1990, for S12 to do the work proposed by Mr. Bates. Mr. Johnson, Chair of S12, recommends that S12 adopt the new work item. If approved, the work item will be housed under new working group S12/WG30, and be chaired by Mr. Raymond J. Callahan, currently chair of the PTI Committee S10.1, the Committee responsible for original development of the subject standard.

LB/S12/201
15 February 1991

Question:

Shall Accredited Standards Committee S12, NOISE, approve the establishment of a new work item in S12 to revise ANSI/PTI Standard S10.1-1983, and the preparation of a proposed ANSI Standard in the area under the jurisdiction of Accredited Standards Committee S12 (as outlined in ATTACHMENT A, above)?

YES _____ NO _____ ABSTAIN _____

COMMENTS: _____

MEMBER _____ REPRESENTING _____

SIGNATURE _____

TYPE OR PRINT NAME _____

DATE _____



power tool institute, inc.

Dr. Avril Brenig
Acoustical Society of America
335 East 45th Street
New York, New York 10017

Dear Dr. Brenig:

This letter is a follow-up to the conversation which Mary McHenry had with you about ten days ago regarding ANSI/PTI S10.1 standard, American National Standard for Acoustics - Portable Electric Power Tools, Stationary and Fixed Electric Powered Tools and Gardening Appliances - Measurement of Sound Emitted.

PTI started a procedure to get certain changes made to S10.1 at the time of the 5-year reaffirmation period. The enclosed Circular 3114-PTI dated July 1, 1988 covers the details which PTI was proposing. The original canvass list was used to send this out and about 90% of the mailing was returned to PTI with notations such as wrong address, no longer in existence, etc. PTI then checked with ANSI and a new canvass list was developed. It has not been sent out again. We have never received any further directions from ANSI. PTI is anxious to get the changes made to the standard and have it reaffirmed as an ANSI standard. It can then be used in our efforts to harmonize with the I.E.C. requirements as necessary.

Our representative on S12, Mr. Ray Callahan received the minutes of the S12 meeting held on May 24, 1990 and on page 18 found that S12 has been designated as one of the committees to revise the above standard under the canvass method (copy of this page is enclosed). PTI felt this was a good move and in fact, would be very happy to see S10.1 under the full control of S12 committee.

We are asking now what PTI should do in order to get its proposed changes made as quickly as possible to be certain that S10.1 remains an active ANSI standard and whether it is feasible at this time to have it come under the auspices of S12 Committee. This appears to be the logical committee for it to be under. This is the only standard sponsored directly by PTI and even though we have representation on several ANSI committees, PTI itself is not and appears not to be as efficient in getting reviews and changes made as is S12, for example.

We would like this to be discussed at your upcoming meeting and would appreciate it being put on the agenda.

Please advise if you need any further information from us and whether our request will be honored.

Thank you for your assistance in our dilemma.

Sincerely,

James E. Bates CAE
Executive Manager

CC: Ray Callahan - Robert Bosch Power Tool Corporation



ACOUSTICAL SOCIETY OF AMERICA

OFFICE OF THE
STANDARDS SECRETARIAT

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Telefax (212) 949-0473

15 April 1991

TO: D.L. Johnson, Chair S12

Re: Letter Ballot LB/S12/203 sent to Accredited Standards
Committee S12 on 21 February 1991 and closed on 4 April
1991

SUBJECT: Approval of new work item for S12 on predicting sound pressure
levels outdoors

Attached please find tally of the above letter ballot, showing results as
follows:

		<u>CLASSIFICATION OF MEMBERS</u>	
AFFIRMATIVE VOTES	<u>22</u>	P - PRODUCER	<u>10</u>
NEGATIVE VOTES	<u>0</u>	C - CONSUMER	<u>6</u>
ABSTENTIONS	<u>0</u>	G - GOVERNMENT	<u>7</u>
NOT RETURNED	<u>9</u>	GI - GENERAL INTEREST	<u>8</u>
TOTAL	<u>31</u>	TOTAL	<u>31</u>

Continuation of results of letter ballot S12/203

AFFIRMATIVE VOTES:

Atack, R.M.	U.S. Army Medical Corps.
Bohl, C.D.	American Industrial Hygiene Association
Bovi, A.M.	Industrial Safety Equipment Association, Inc.
Callahan, R.	Power Tool Institute, Inc.
Chial, M.R.	Audio Engineering Society
Davis, L.	Larson-Davis Laboratories
Erdreich, J.	National Council of Acoustical Consultants
Goodwin, R.	Acoustical Systems, Inc.
Johnson, D.L.	Acoustical Society of America
Kasten, R.	American Speech-Language-Hearing Association
Michel, G.C. (Alternate)	Bruel & Kjaer Instruments, Inc.
Naunton, R.F.	American Academy of Otolaryngology
Naunton, R.F.	American Otological Society
Page, J.	U.S. Department of the Navy, BUREAU OF MEDICINE AND SURGERY
Patterson, J.H. (Alternate)	U.S. Army Aeromedical Research Laboratory
Pei, H.S.	American Society of Heating Refrigeration and Air-Conditioning Engineers, Inc.
Peppin, R.J.	Scantek, Inc.
Price, G.	U.S. Army Human Engineering Laboratory
Roth, S.I.	ALCOA
Toothman, E.H.	Fastener Industry Noise Control Research Program
Vendittis, D.	David Taylor Research Center
White, M. (Alternate)	U.S. Dept. of the Army, Engineering Research Lab.

NEGATIVE VOTES:

None

ABSTENTIONS:

None

Continuation of results of letter ballot S12/203

NOT RETURNED:

Addington, J.H.
Bronwson, P.J.
Flynn, D.

Compressed Air and Gas Institute
American College of Occupational Medicine
National Institute of Standards and
Technology

Fox, J.
Luttrell, L.F.

Edison Electric Institute
Computer & Business Equipment
Manufacturers Association

McKinley, R.L.
Rawlings, D.

U.S. Department of the Air Force
National Electrical Manufacturers
Association

Tedrick, R.
Wang, S.

Federal Aviation Administration
Air-Conditioning and Refrigeration
Institute

LATE RESPONSE:

Price, G.

U.S. Army Human Engineering Laboratory

Avril Brenig
Standards Manager

cc: Standards Committee Vice Chair
ASACOS Chair and Vice Chair



ACOUSTICAL SOCIETY OF AMERICA

OFFICE OF THE
STANDARDS SECRETARIAT

ASPHIL BRENG, D. P. H.
STANDARDS MANAGER

335 EAST 45TH STREET, NEW YORK, NEW YORK 10017-3483

Telephone (212) 561-9494
Telex 960983 AMNSTPHYS NYK
Telefax (212) 945-0473

IMMEDIATE RETURN REQUESTED

LB/S12/203
21 February 1991

Return to: Letter Ballot Department
Due date: ~~28 March 1991~~
14 April

**ADMINISTRATIVE LETTER BALLOT
ACCREDITED STANDARDS COMMITTEE
ON NOISE, S12**

Topic: Approval of new work item for S12 on predicting sound pressure levels outdoors

Authorized by: D. L. Johnson, Chair S12

Distributed by: A. Brenig, Standards Manager

Reference Document(s):

ATTACHMENT A - Memorandum to D.L. Johnson, Chair S12, from G. Daigle, dated 16 December 1990

Background Information:

At the S12 meeting held on Thursday, 29 November 1990, in San Diego, California, Mr. G. Daigle presented a proposal for a new work item for S12 (see ATTACHMENT A). It was the consensus of those attending the S12 meeting that the work item should be approved and a new working group set up in S12.

Mr. D.L. Johnson, Chair S12, and the proposer of the new work item, G. Daigle, both recommend approval of the new work item. If approved, it will become S12/WG31 with G. Daigle as chair.

LB/S12/203
21 February 1991

Question:

Shall Accredited Standards Committee S12, Noise, approve
the proposed new work item on predicting sound pressure levels
outdoors as outlined in ATTACHMENT A (above)?

YES _____ NO _____ ABSTAIN _____

COMMENTS: _____

MEMBER _____ REPRESENTING _____

SIGNATURE _____

TYPE OR PRINT NAME _____

DATE _____



National Research Council
Canada

Conseil national de recherches
Canada

Institute for
Microstructural Sciences

Institut des
sciences des microstructures

December 16, 1990

TO: D.L. Johnson
Chair, S12

FROM: Gilles Daigle

SUBJECT: Draft scope for new WG in S12 on "Predicting sound pressure levels outdoors".

Scope Develop standard method for calculating the attenuation of sound during propagation outdoors in order to predict the levels of noise at a distance from a large variety of sources. The method should be a general engineering procedure that includes the combined effects of: geometrical divergence, atmospheric absorption, the effects of variable ground impedance, the effects of refraction due to wind and temperature gradients, the effects due to thermal and mechanical turbulence, reflection from surfaces, as well as propagation through foliage.

cc G. Wong



Standards for Materials, Products, Systems & Services

February 20, 1991

TO: Prospective Members of a Proposed New ASTM Voluntary Standards Development Activity on Response to Aircraft Noise

Because of your involvement and interest in the area of aircraft/community noise, you are invited to attend a meeting to explore and plan for a new ASTM consensus standards development activity. The meeting will be held from 10:00am - 3:30pm on Monday, April 15, 1991 at the Trump Taj Mahal Hotel in Atlantic City, NJ, in conjunction with the meetings of Committee E33 on Environmental Acoustics. Enclosed for your information and use is a meeting agenda, a schedule listing the dates and times of all E33 meetings, and a response form to be completed and returned to me as soon as possible.

The initial request for this activity was received from Arden Forrey, a member of the Community Council Federation Aircraft Noise Group and a participant of the community caucus in the Airport Noise Mediation Process for Seattle Tacoma International Airport. Others have also expressed a need for standards and an interest in participating in their development. The scope of activities to be considered may include, but not be limited to:

- * procedures and criteria for assessing annoyance
- * annoyance criteria-related metrics for aircraft noise
- * measurement methods based on annoyance criteria
- * monitoring protocols based on annoyance criteria
- * research needs
- * terminology

ASTM provides a management system for the development of voluntary consensus standards that are used internationally, as well as nationally. All interested parties (producers, user groups, government, academia, and consumers) may participate in the development of these standards to ensure that their points of view and biases are represented. Enclosed is a brochure "What is ASTM?", which explains the functions and operations of the Society.

You are welcome and encouraged to attend any meetings of Committee E33 that may be of interest to you. If you are aware of others involved with aircraft/community noise, please send me their names and addresses so they may be informed of this effort and invited to participate in the future.

If you have any questions concerning the above, please call me at 215/299-5526. I look forward to a productive meeting!

Sincerely,

A handwritten signature in cursive script, reading 'Wendy Dyer'. The signature is written in dark ink and is positioned above the printed name.

Wendy Dyer
Manager, New Activity Development

cc: E-33 Committee Members



Standards for Materials, Products, Systems & Services

AGENDA
PLANNING MEETING ON
RESPONSE TO AIRCRAFT NOISE
TRUMP TAJ MAHAL, ATLANTIC CITY, NJ
MONDAY, APRIL 15, 1991
10:00 A.M. - 3:30 P.M.

1. Call to Order
2. Welcome and Self-Introductions of Attendees
3. Objectives of Meeting
4. Background Information on Request for Activity
5. Overview of ASTM and the Standards Development Process
6. Discussion from the Floor
- review activities of other organizations and groups
involved in the field
7. Identification of Areas to be Considered in the
Development of Standards
8. Determine Future Direction of Activity
9. Develop Proposed Title and Scope
10. Identify and Assign Tasks to be Completed Prior to Next
Meeting
11. Identify Other Individuals, Companies and Organizations
Involved in this Field, as well as Trade Publications
12. Adjournment

*** Please think about these items prior to the meeting and
come prepared with your ideas

(When you arrive at the hotel, be sure to stop by the ASTM
Registration Area to receive a name badge and program
booklet, which lists the meeting room names -- there is no
fee to attend any ASTM meetings)

MEETING SCHEDULE
COMMITTEE E-33 ON ENVIRONMENTAL ACOUSTICS
TRUMP TAJ MAHAL
ATLANTIC CITY, NJ

APRIL 15-17, 1991

<u>DATE, TIME</u>	<u>MEETING</u>	<u>CHAIRMAN</u>
<u>Monday, April 15</u>		
PM 1:00 - 5:30	Task Groups	
8:00 - 9:30	EXCOM	Warnock
<u>Tuesday, April 16</u>		
AM 8:30 - 1:00	Task Groups	
PM 2:00 - 2:30	E-33.08, Electrical & Mech. System Noise	Kingsbury
2:30 - 3:45	E-33.03, Transmission	Moulder
3:45 - 4:30	E-33.09, Community Noise	Putnam
4:30 - 5:15	E-33.05, Research	Nelson
<u>Wednesday, April 17</u>		
AM 8:30 - 9:00	E-33.06, International Standards	Guernsey
9:00 - 9:30	E-33.01, Absorption	Walker
9:30 - 10:00	E-33.04, Application of Acoustic Materials and System	Peppin
10:00 - 10:30	E-33.02, Open Plan Spaces	Herbert
10:30 - 11:00	E-33.07, Definitions & Editorial	Clark
11:00 - 12:00	Main Committee	Warnock

SM/fo
E33SCHED

TASK GROUP SCHEDULE FOR E-33
MONDAY, APRIL 15, 1991

<u>TIME</u>	<u>ROOM A</u>	<u>ROOM B</u>	<u>ROOM C</u>
1:00 pm	.01C Anechoic Chambers - Peppin	.09E Fixed Noise Sources - Campanella	.04D/G Ceiling & Board Tile - Elfering
1:45 pm	.03F Laboratory Trans. Loss - Warnock	.09C Ground Vibration - Sachs	.04K User Education - Harris
2:30 pm	.02A Ceiling Inzone Attenuation - Walker	.08M Two-Surface Power Measure - Putnam	.04E Bldg Syst Perform - Arps
3:15 pm	.03A Two-Room Ceiling Test - Walker	.09D Comm. Noise Criteria - Stewart	.03K Vibration Damp Matls - Hanson
4:00 pm	.02D Masking Sound - Moulder	.09F Outdoor Digital Stat/Analysis - Rodman	.03T Door Seals - Kopec
4:45 pm	.05D T.L. Reference Speciman - Sherry	.09F Outdoor Digital Stat/Analysis - Rodman	.08B Duct Liner /Silencers - Kremenich



Standards for Materials, Products, Systems & Services

PLEASE RETURN TO:

Wendy Dyer
ASTM
1916 Race Street
Philadelphia, PA 19103

- _____ I plan to attend the Planning Meeting on Response to Aircraft Noise to be held April 15, 1991 at the Trump Taj Mahal Hotel, in Atlantic City, New Jersey
- _____ I will be unable to attend but do have an interest and request a copy of the minutes of the meeting
- _____ I will be unable to attend and do not have an interest in this activity
- _____ An alternate will attend in my place.*

NAME _____ TITLE _____

ORGANIZATION _____

COMMITTEE AFFILIATION IF ASTM MEMBER _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____

* If an alternate is attending in your place, please also fill in below. Please fill in above whether or not you are sending an alternate person.

NAME _____ TITLE _____

ORGANIZATION _____

COMMITTEE AFFILIATION IF ASTM MEMBER _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____

HOTEL RESERVATION - VERY IMPORTANT - CUT-OFF DATE: MARCH 10, 1991

Options for making your hotel reservation are given below. Tax is 13% on all rooms. After March 10th, the hotel will release unsold sleeping rooms to the general public.

Reservation Options:

Trump Taj Mahal

1. Mail - ~~Reservation Card Enclosed~~
2. Telephone - (609) 449-1000
3. Fax - (609) 449-6386

Important - When making a hotel reservation by telephone, it is best not to use an 800 number or you may not receive the special ASTM discounted group rate. Also, whichever option you choose, you must always identify yourself as attending the ASTM Meeting to receive the special rate. The ASTM rates will prevail 3 days before and 3 days after the meeting based on availability. In order to guarantee your reservation, you must include a first night's deposit.

If you have any questions concerning accommodations in general, please telephone the Meetings Division at 215-299-2613.

THE ASTM TRAVEL DESK

The ASTM TRAVEL DESK (through Uniglobe Wings Travel) provides low cost travel to ASTM meetings. US Air and United Airlines have offered discounts as listed below:

US AIR

40% off full coach
5% off discounted fares
to Philadelphia International
Airport or Atlantic City
International Airport

UNITED

45% off full coach
5% off discounted fares
to Philadelphia International
Airport

Call US Air at 1-800-334-8644 Refer to Gold File # 123574	Call United at 1-800-521-4041 Refer to ID # 435TK
--	--

To make your reservation you or your travel agent may call the numbers listed above. Or for more personalized service you may call THE ASTM TRAVEL DESK at 1-800-243-4370 or 215-628-9238 between 8:30 A.M. - 5:00 P.M. Eastern Time, Monday-Friday.

If your city is not serviced by these airlines, the ASTM Travel Desk can write your tickets on another airline at the lowest fare available.

There may be restrictions on fares and discounts apply on round-trip tickets only.

GROUND TRANSPORTATION TO AND FROM PHILADELPHIA INTERNATIONAL AIRPORT TO ATLANTIC CITY

Casino Limo Service (CLS) 1-800-452-1110. Advance reservations are required to ensure a seat. Counters or courtesy telephones are in all baggage claim areas.

The hours of operation to Atlantic City are: 8:30 a.m., 10:00 a.m., 12:00 n., 2:00 p.m., 3:30 p.m., 5:00 p.m., and 6:30 p.m.

Reservations must be made one day in advance.

CLS Service costs \$20 one way. The travel time is approximately 1½ hours. This is a discounted rate. Simply identify yourself as an ASTM member to receive this special price.

GROUND TRANSPORTATION TO AND FROM ATLANTIC CITY INTERNATIONAL AIRPORT (POMONA)

Casino Limo Service - 1-800-452-1110 is available and advance reservations are required. Cost - \$7.00. The travel time is approximately 50 minutes.

Taxis are available at an approximate cost of \$25.00 for a 25 to 30 minute trip.

CAR RENTAL

Budget Rent-A-Car, Atlantic City and Philadelphia Offices, has offered the following rates for this ASTM Meeting:

	<u>Daily</u>	<u>Weekly</u>
Economy	\$36.99	\$221.94
Compact	37.99	227.94
Intermediate	39.99	239.94
Full-Size (2 door)	45.99	251.94
Full-Size (4 door)	47.99	263.94

Unlimited mileage is included and rates will be honored one week prior and one week after the meeting. Pick-up and drop-off is at the Philadelphia or Atlantic City Airports.

To reserve your car, please call Uniglobe Wings Travel at 1-800-243-4370 or 1-215-628-9238 between 8:30 a.m. - 5:00 p.m. Eastern Time, Monday-Friday.

There is free parking at the Trump Taj Mahal.

ACOUSTICAL SOCIETY OF AMERICA

KENNETH McK. ELDRED
STANDARDS DIRECTOR



722 ANNURSNAC HILL RD.
P.O. BOX 1037
CONCORD, MA 01742
(508) 371-0099

April 15, 1991

Ms. Wendy Dyer
Manager, New Development Activity
ASTM
1916 Race Street
Philadelphia, PA 19103-1187

Subject: Proposed New ASTM Voluntary Standards Development Activity in
Response to Aircraft Noise

Dear Ms. Dyer:

I had hoped to participate in your planned meeting on noise criteria but a schedule conflict does not allow me to be there.

I have just returned from the Dallas meeting of the SAE A21 Committee meeting on aircraft noise. As you know, this Committee has the lead role in aircraft noise measurement and related issues. The Committee was formed in the early 1960's and has produced numerous aerospace recommended practices and aerospace information documents in its subject area. Its membership is international with representatives of civil regulatory and research agencies, engine and airframe manufacturers, airlines, airports and other interested individuals. It shares with the Acoustical Society the responsibility for the United States' response on International Standards Organization documents in aircraft noise and its effects.

The Acoustical Society of America is the secretariat for two accredited Standards Committees that have responsibilities in this area. Information on the effects of noise on humans is a primary responsibility of the S-3 Committee on Bioacoustics. Specific criteria for noise are within the scope of the S-12 Committee on Noise. The specific subject matter of your inquiry is in the S-12 Committee's scope and expertise.

The issues of community noise criteria have been the subject of extensive research both in the U.S.A. and elsewhere for over 35 years. The application of the research results to the subject of criteria have been made by interaction of research scientists, government agencies and other interested parties. Many federal agencies have active roles in this process including the Air Force, Army and Navy, the Environmental Protection Agency, Federal Aviation Administration, Federal Highway Administration and the National Aeronautics and Space Administration. Much work has been accomplished under the Committee on Hearing

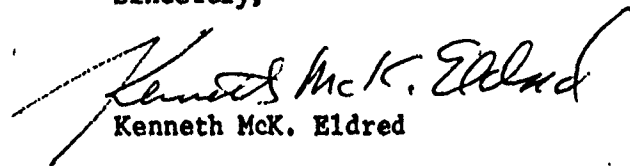
Bioacoustics and Biodynamics of the National Research Council. These efforts have led to consensus federal policies and regulations for the protection of public health and welfare and, where appropriate, to American National Standards in the private sector.

As you can see, these are well established organizations with the charter and technical expertise to undertake any needed standards work in this area. Creation of a new group would only lead to duplication and dilution of effort without furthering any national purpose. Therefore, I hope that you do not begin a new activity in this area.

I would welcome receiving a copy of your workshop report. Further, if the workshop does uncover new needs for standardization efforts in this area, we would be happy to arrange for a discussion of this topic at the S-12 Committee meeting on Thursday morning, May 2, 1991 at the ASA meeting in Baltimore, Maryland.

I will be happy to discuss this issue with you if you have any questions.

Sincerely,



Kenneth McK. Eldred

KME:rc
bcc:H. von Gierke
A. Brennig
R. Linn

**Report of Working Liaison Group S12/L-8
ASTM E-33.09 on Community Noise
2 May 1991**

The following is a list of the task groups of ASTM Committee E-33.09 on Community Noise:

E-33.09A, Survey Measurements at a Specific Location, Charles W. Rodman, Chair. This task group is responsible for ASTM E 1014, *Standard Guide for Measurement of Outdoor A-Weighted Sound Levels*.

E-33.09B, Liaison to ANSC S12, Richard M. Guernsey, Chair.

E-33.09C, Criteria for Ground-Borne Vibration Measurement and Assessment, Felix Z. Sachs, Chair. This task group is preparing a Guide to other standards that tell how to measure or evaluate ground-borne vibration.

E-33.09D, Environmental Noise Criteria, Noral D. Stewart, Chair. This task group is preparing a guide to environmental noise criteria in other standards and reference documents.

E-33.09E, Acoustical Characterization of Discrete Outdoor Noise Sources, Angelo J. Campanella, Chair. This task group is preparing a document related to the characterization of outdoor noise sources at a fixed location.

E-33.09F, Standard Method to Measure Outdoor Noise Using Digital Statistical Instruments, Charles W. Rodman, Chair. The task of this task group is well described by its title.

On Monday, April 15, 1991, ASTM held a "Planning Meeting on Response to Aircraft Noise" at the Trump Taj Mahal Hotel in Atlantic City, NJ. The meeting was held at the request of a citizen concerned about aircraft noise in the Seattle-Tacoma area. ASTM sent invitations to attend this meeting to a large number of people believed to be interested in the problems associated with aircraft noise.

The meeting was attended by 23 people, mostly representing those disturbed by aircraft noise. The meeting lasted for approximately 3 hours. At the end of the meeting those present voted to continue deliberations in San Diego during the period October 15-17, 1991. The vote was 13 in favor of continuing and 10 opposed or abstaining. It is hoped to get a broader representation at the San Diego meeting.

Committee E-33 members who attended the meeting emphasized repeatedly that the Committee wants to avoid any involvement in areas that are already covered by other standardization organizations or government agencies. The Committee will refer those interested in such areas to the appropriate organization.

Committee E-33 has asked me, as liaison to Committee S12, to urge S12 members to come to the meeting in San Diego and express their positions on the matter of aircraft noise. If it is impossible to attend the meeting, you may send written comments to:

Ms. Wendy Dyer
ASTM
1916 Race Street
Philadelphia, PA 19103

Respectfully submitted,

Richard M. Guernsey
Chair, S12/L-8

ISO/TC 43 ACOUSTICS - and - ISO/TC 43/SC1 NOISE

Documents processed by the ASA Standards Secretariat from October 1990 through April 1991

THE FOLLOWING DOCUMENTS WERE RECEIVED FOR VOTE AND/OR COMMENT
BY THE U.S. MEMBER BODY:

DRAFT INTERNATIONAL STANDARDS (DIS)

TAG	DOCUMENT
S12	<u>ISO:5131:1982/DAM1</u> Acoustics - Tractors and machinery for agriculture and forestry - Measurement of noise at the operator's position - Survey method Announced to S12 (<u>S12/193</u>) on 11 September 1990, with S.I. Roth coordinating comments and recommendations for vote on this document. The U.S. submitted an <u>affirmative vote with comments</u>, to ANSI on 14 November 1990 (submitted for ASA Standards to ISO by telefax in March 1991 due to non-transmittal of the U.S. vote by ANSI in the interim).
S12	<u>ISO/DIS 3743-1</u> Acoustics - Determination of sound power levels of noise sources - Engineering methods for small, movable sources in reverberant fields - <u>Part 1: Comparison method in hard-walled test rooms</u> Announced to S12 (<u>S12/196</u>) on 30 October 1990, with P.K. Baade coordinating comments and recommendations for vote on this document. The U.S. submitted an <u>affirmative vote with comments</u>, to ANSI on 6 February 1991, which was transmitted to ISO by ANSI on 11 February 1991.
S12	<u>ISO/DIS 3744</u> Acoustics - Determination of sound power levels of noise sources - Engineering method employing an enveloping measurement surface in an essentially free field over a reflecting plane Announced to S12 (<u>S12/195</u>) on 30 October 1990, with P.K. Baade coordinating comments and recommendations for vote on this document. The U.S. submitted a <u>negative vote with comments</u>, to ANSI on 6 February 1991, which was transmitted to ISO by ANSI on 11 February 1991.

ISO/TC 43 ACOUSTICS - and - ISO/TC 43/SC1 NOISE (continued)

Documents processed by the ASA Standards Secretariat from October 1990 through April 1991

THE FOLLOWING DOCUMENTS WERE RECEIVED FOR VOTE and/or COMMENT
BY THE U.S. MEMBER BODY:

DRAFT INTERNATIONAL STANDARDS (DIS)

TAG	DOCUMENT
S1	<u>ISO/DIS 9613-1</u> Acoustics - Attenuation of sound during propagation outdoors - <u>Part 1</u> Method of calculation of the attenuation of sound by atmospheric absorption Announced to S1 (<u>S1/338</u>) on 6 November 1990, with A.H. Marsh coordinating comments and recommendations for vote on this document. The U.S. submitted an <u>affirmative vote with comments</u>, to ANSI on 11 March 1991, which was transmitted to ISO by ANSI on 14 March 1991.

COMMITTEE DRAFTS (CD)

S12	<u>First ISO/CD 3746</u> for Acoustics - Determination of sound power levels of noise sources - Survey method employing an enveloping measurement surface Announced to S12 (<u>S12/200</u>) on 28 November 1990, with P.K. Baade coordinating comments and recommendations for vote on this document. The U.S. submitted an <u>affirmative vote with comments</u>, to ANSI on 6 February 1991, which was transmitted to ISO by ANSI on 11 February 1991.
S1, S12	<u>ISO/CD 9613-2</u> Second CD: Acoustics - Attenuation of sound during propagation outdoors. <u>Part 2</u>: A general method of calculation Announced to S1 and S12 (<u>S1/346</u>) on 11 March 1991 with A.H. Marsh coordinating comments and recommendations for vote on this document. The U.S. submitted an <u>negative vote with comments</u>, to ANSI on 25 April 1991, which was transmitted to ISO by ANSI on 30 April 1991.

ISO/TC 43 ACOUSTICS - and - ISO/TC 43/SC1 NOISE (continued)

Documents processed by the ASA Standards Secretariat from October 1990 through April 1991

TAG

DOCUMENT

THE FOLLOWING DOCUMENTS WERE RECEIVED FOR COMMENT and/or VOTE
BY THE U.S. MEMBER BODY AND ANNOUNCED AD HOC

AD HOC ISO/CD 8253-3 Acoustics - Audiometric test methods/Part 3: Speech
S3 audiometry

Announced Ad Hoc on 11 December 1990 with L.A. Wilber coordinating comments and recommendations for vote on this document. The U.S. submitted an affirmative vote to ANSI on 14 January 1991, which was transmitted to ISO by ANSI on 14 January 1991.

AD HOC IEC/TC 26(China)4: Limit and determination of noise emitted by arc welding
S12 power sources

Announced Ad Hoc on 27 December 1990 with D.L. Johnson coordinating comments and recommendations for vote on this document. The U.S. submitted a negative vote with comments to the U.S. Technical Advisor of IEC/TC 29 on 24 April 1991.

AD HOC ISO/CD 11201 Acoustics - Noise emitted by machinery and equipment -
S12 Engineering method for the measurement of emission sound pressure level at
the work station

Announced Ad Hoc on 28 January 1991 with L. Luttrell coordinating comments and recommendations for vote on this document. The U.S. submitted a recommendation for an affirmative vote with comments, to ANSI on 13 February 1991.

ISO/TC 43 ACOUSTICS - and - ISO/TC 43/SC1 NOISE (continued)

OTHER ACTIONS

o General

- (a) The Secretariat of ISO/TC 43, Denmark (Nielsen) sent a Report of Voting on ISO/DIS 9053 Acoustics - Materials for acoustical applications - Determination of airflow resistance circulated 17 November 1988 with a time limit for reply of 17 May 1989, on 15 November 1990. The decision of the chairman was to approve ISO/DIS 9053.
- (b) ISO/TC 43 and ISO/TC 43/SC1 will meet in Sydney, Australia from 5-12 December 1991.
- (c) At its meeting on 1990-05-18 in Rotterdam, ISO/TC 43 approved the following resolution:

Resolution 4

ISO/TC 43 supports the New Work Item Proposals given in documents N 811 and N 812 concerning methods and equipment for the measurement of real-ear characteristics of hearing aids, and asks the Secretariat to proceed towards approval of these proposals as work items of IEC/TC 29 "Electroacoustics" and ISO/TC 43 "Acoustics", respectively. If accepted, Mr. Elberling, Denmark, is appointed Project Leader, and the Secretariat is asked to establish a joint ISO/TC 43-IEC/TC 29 Working Group to deal with these items.

- (d) New work item for ISO/TC 43/SC1 - The U.S. requested that ISO/TC 43 establish a new Working Group charged with the task of revising ISO 5129:1987 Acoustics - Measurement of Noise Inside Aircraft. The U.S. offered to provide a Convenor for the new Working Group and to submit a draft of a document that could serve as the basis for the proposed revision to ISO 5129.

At the 14th Meeting of ISO/TC 43/SC1 Noise on 17 and 18 May 1990 in Rotterdam, Draft Resolution number 19 was adopted which states the following:

ISO/TC 43 ACOUSTICS - and - ISO/TC 43/SC1 NOISE (continued)

OTHER ACTIONS (continued)

o General (continued)

(d) New work item for ISO/TC 43/SC1 (continued)

Draft resolution Number 19: ISO/TC 43/SC1 supports the proposal given in document 43/1 N 683 "Revision of ISO 5129:1987 Acoustics - Type measurement of airplane interior sound pressure levels during cruise" and requests the Secretariat to carry out the formal voting procedure. If accepted, the Work Item is to be allocated to a new WG 37 (ISO/TC 43/SC1/WG37). The U.S. member body will appoint a Project Leader. The target date for the preparation of a first CD is 1991-12.

The U.S. registered an affirmative vote on the above Resolution, ISO/TC 43/SC1 N 714 on 12 November 1990.

The U.S. appointed Dr. John F. Wilby as U.S. expert and Mr. N.L. Haight as convenor to this newly established working group. This new work item was accepted with a target date of 1996-04 for a CD and 1998-04 for a DIS.

(e) New work item for ISO/TC 43/SC1 - The U.S. registered a positive vote on the recommendation to establish a new Working Group, ISO/TC 43/SC1/WG33, Measuring method for comparing traffic noise on different road surfaces, on 12 November 1990, ISO/TC 43/SC1 N 712.

On 27 February 1991, the U.S. appointed Mr. Greg Fleming as the main representative (replacing Mr. William Bowlby); Mr. James Chalupnick as alternate and Mr. Ed Rickley and Mr. Ken Polcak as corresponding members of this newly formed working group.

ISO/TC 43 ACOUSTICS - and - ISO/TC 43/SC1 NOISE (continued)

OTHER ACTIONS (continued)

o General (continued)

- (f) At its meeting in Rotterdam on 1990-05-17/18, the following resolution was taken:

Resolution 14

ISO/TC 43/SC1 requests the Secretariat to carry out the formal voting procedure for New Work Item proposal as given in document 43/1 N 679 "Amendment to ISO 362:1981 and ISO 7188:1985, Specification regarding test track surface", at the same time enclosing the proposal given in document 43/1 N 679 as a first Committee Draft for voting with a view to quick adoption of the suggested amendment to ISO 362 and ISO 7188.

Formal proposal for this new work item for ISO/TC 43/SC1 - To prepare amendments to ISO 362:1981 and ISO 7188:1985, Specification Regarding Test Track Surface was sent 05 April 1991.

- (g) At its meeting in Rotterdam on 1990-05-17/18, the following resolution was taken:

Resolution 12

ISO/TC 43/SC1 requests the Secretariat to carry out the formal voting procedure for New Work Item Proposal as given in documents 43/1 N 664, German proposal for revision of ISO 7779:1988 "Acoustics - Measurement of airborne noise emitted by computer and business equipment", and 43/1 N 680, Contributions by ECMA for amendments and improvements to ISO 7779:1988. If accepted, the Work Item is to be allocated to WG 23, the target date for preparation of a Committee Draft being 1992-01.

Formal proposal for this new work item for ISO/TC 43/SC1 - Revision of ISO 7779:1988 was sent 05 April 1991.

- (h) New work item for ISO/TC 43/SC1 - Impulse Sound Propagation for Environmental Noise Assessment. ANSI Committee S12, Working Group 22 will have a draft of a similar document by November 1991. An ad hoc committee (military) with input from UK, FRG, US, Sweden, Norway and Denmark is developing a draft document during 1991 and early 1992.

ISO/TC 43 ACOUSTICS - and - ISO/TC 43/SC1 NOISE (continued)

OTHER ACTIONS (continued)

o Confirmation of various ISO/TC 43 standards

On 26 February 1991, a vote to confirm the following list of ISO/TC 43 standards was sent to ANSI:

- o ISO 3382:1975 Acoustics - Measurement of reverberation time in auditoria**
- o ISO 4869:1981 Acoustics - Measurement of sound attenuation of hearing protectors - Subjective method**
- o ISO 1680-1:1986 Acoustics - Test code for the measurement of airborne noise emitted by rotating electrical machinery - Part 1: Engineering method for free-field conditions over a reflecting plane**
- o ISO 1680-2:1986 Acoustics - Test code for the measurement of airborne noise emitted by rotating electrical machinery - Part 2: Survey method**
- o ISO 6081:1986 Acoustics - Noise emitted by machinery and equipment - Guidelines for the preparation of test codes of engineering grade requiring noise measurements at the operator's or bystander's position**



ACOUSTICAL SOCIETY OF AMERICA

S12/206
ATTACHMENT R-1

OFFICE OF THE
STANDARDS SECRETARIAT

AVRIL BRENIG, Dr. P. H.
STANDARDS MANAGER

335 EAST 45TH STREET, NEW YORK, NEW YORK 10017-3483

Telephone (212) 661-9404
Telex 960983 AMINSTPHYS NYK
Telefax (212) 949-0473

7 December 1990

TO: U.S. TAG Chairs for ISO/TC 43, Acoustics, and Subcommittees,
and ISO/TC 108 Mechanical Vibration and Shock, and
Subcommittees, and ISO/TC 94/SC12 Hearing Protection
(Messrs. Bartheld, Douglas, Maedel, Muster, Stadelbauer,
von Gierke)

FROM: A. Brenig

re: Review of the application of ISO Standards - memorandum from
ANSI

Please find attached memorandum, dated 20 June 1990, on which ANSI requests a reply. The date for the response has now passed, but the need for the collection of information and submittal to ANSI is still there.

Please therefore review the lists of standards which are appended to the memorandum and, if needed, ask the appropriate persons for their information on the matter of how closely the national and corresponding ISO standards agree or differ in their technical content. I am sending a copy of the memorandum, and its attachments, to the Chairs for the corresponding national Standards Committees.

We would like to be able to submit this information to ANSI by no later than 15 January 1991. Therefore, it would be appreciated if you could send the information to me by 7 January 1991.

Thank you for your help.

cc: Eldred
Embleton
Fletcher
Hayek
Johnson
McKinley
Royster
Sterbyn
Wilber
Wong

Second Request



**American National
Standards Institute** 1430 BROADWAY, NEW YORK, NEW YORK 10018

TEL. 212.642.4900
FAX. 212.398.0023

Cable: Standards, New York
International Telex: 42 42 96 ANSI UI

GARY W. KUSHNIER, Vice President, Standards Technology

June 20, 1990

TO: Administrators, U.S. Technical Advisory Groups for ISO/TCs and SCs

FROM: Gary W. Kushnier, Vice President, Standards Technology

SUBJECT: Application of ISO Standards

More and more frequently ANSI is being asked to indicate the degree of equivalence or relatedness of US national standards with the corresponding ISO standards. This is particularly true in light of the European Community's efforts to harmonize its standards by 1992 and to use international standards to do the job if they exist. The results of a related survey conducted by both ISO and IEC in mid-1989 were inconclusive because accurate statistics on the subject do not exist. It is known however, that many ISO standards are technically "based on" US standards and similarly, that many ISO standards have been incorporated in whole or in part in domestic standards. The purpose of this letter is to enlist your support in obtaining more accurate data on this question.

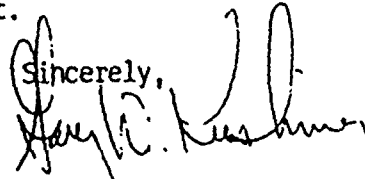
Enclosed are lists of ISO standards by TC that are applicable to each U.S. Technical Advisory Group. Also on this list are draft International Standards, (DIS) and draft proposals/committee drafts. Please ignore the draft proposals/committee drafts listings. It would be appreciated if you would indicate next to each ISO standard/draft the designation of any U.S. national standard, trade or professional association standard or other public standard (eg: MIL standard). Please mark each designation with (I), (E), (P), or (R) to indicate which of the following definitions most closely describes the relationship.

- (I) IDENTICAL to the corresponding International Standard (facsimile or authentic translation with identical content and presentation).
- (E) Technically EQUIVALENT to the corresponding International Standard (in the sense that what is acceptable to one standard is acceptable to the other and vice-versa).
- (P) PARTLY EQUIVALENT to the corresponding International Standard (part of the standard is technically equivalent).
- (R) RELATED but not equivalent to the corresponding International Standard.

Would you please return the enclosed sheets to me by July 31, 1990 with the requested information. If none of the international standards in your area correspond in any way to a national standard, please let me know.

Thank you for your cooperation. If you have any questions, please feel free to contact your usual ANSI technical staff contact.

Sincerely,



Gary W. Kushnier
Vice President
Standards Technology

GWK/9053D

Encls.

cc w/o encls: Chairmen, U.S. TAGs for ISO/TCs/SCs



ACOUSTICAL · SOCIETY · OF · AMERICA

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S12/206
ATTACHMENT S-1

REPORT ON ACTIVITIES OF ISO/TC 94/SC12

Please see attached correspondence regarding coordination questions between ISO and CEN Technical Committees, particularly with respect to ISO/TC 94/SC12.

It was noted that a document had been issued by CEN/TC 159 on Hearing Protectors - Recommendations for Selection, Use, Care and Maintenance, and any responses to be formulated on this document will be discussed by Messrs. Berger and von Gierke.

ISO/TC 94/SC12 N 49 relates to this document and calls for responses, if any, to be submitted to BSI by 26 July 1991.

A. Brenig
Standards Manager
April 1991



**American National
Standards Institute** 1430 BROADWAY, NEW YORK, NEW YORK 10018

TEL. 212.642.4900
FAX. 212.398.0023

Cable: Standards; New York
International Telex: 42 42 96 ANSI UI

March 15, 1991

To: USA/TAG Administrators for ISO Technical Committees
Subject: Coordination Questions Between ISO and CEN Technical Committees.

Dear USA/TAG Administrator:

In November 1990, both ISO and CEN agreed to form an ad hoc group of their Technical Boards to monitor and act as appropriate on questions of coordination arising between applicable technical committees. This group will be reviewing questions of coordination with the aim of reducing to a minimum any technical coordination problems.

For your information and the information of your USA/TAG, you will find attached a brief report on coordination issues between ISO and CEN in your technical area which have been brought to the attention of this ad hoc group.

We will continue to keep you informed as to any actions of this ad hoc group that impact upon the coordination between the ISO and CEN technical committees of interest to you.

Sincerely,

A handwritten signature in black ink, appearing to read "S.P. Cornish".

Steven P. Cornish
Program Administrator, Standards Technology

Attachment

Subject : ISO/TC involved CEN/TC "	Issue (coordination problem or subject; possible offer of cooperation)	Status and proposed action
<u>Ear muffs</u> ISO/TC 43 and ISO/TC 94 CEN/TC 159	Parallel work has lead to duplications and inconsistencies between ISO and CEN drafts, particularly in relation to acoustical requirements.	ISO/TC 43 Secretariat has been asked to review both the ISO and CEN drafts to try to eliminate inconsistencies. ISO/DIS 10449 also needs to be substantially revised technically.
		Proposed action: If ISO and CEN technical committees can agree on identical texts, propose parallel voting.

Subject : ISO/TC involved CEN/TC "	Issue	Status
	(coordination problem or subject; possible offer of cooperation)	and proposed action
<u>Hearing protectors</u>		
ISO/TC 94/SC 12	Parallel work on ear muffs, ear plugs and recommendations for selection and use.	Work is being coordinated to arrive at identical texts. DIS 10449/DAH = prEN 352-1 CD 10453 = prEN 352-2 CD 10452 = prEN in preparation
CEN/TC 159		<u>Proposed action</u> : Parallel voting mechanism to be established.



ACOUSTICAL SOCIETY OF AMERICA

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S12/206

ATTACHMENT T-1

21 March 1991

TO: D.L. Johnson, Chair S12

Re: Letter Ballot LB/S12/199 sent to Accredited
Standards Committee S12 on 22 January 1991
and closed on 5 March 1991

SUBJECT: Approval of Officer and Individual Experts
of S12 for 1991/1992

Enclosed please find tally of the above letter ballot, showing results
as follows:

<u>CLASSIFICATION OF MEMBERS</u>			
AFFIRMATIVE VOTES	<u>25</u>	P - PRODUCER	<u>11</u>
NEGATIVE VOTES	<u>0</u>	C - CONSUMER	<u>7</u>
ABSTENTIONS	<u>0</u>	G - GOVERNMENT	<u>6</u>
NOT RETURNED	<u>6</u>	GI - GENERAL INTEREST	<u>7</u>
TOTAL	<u>31</u>	TOTAL	<u>31</u>

Continuation of results of letter ballot S12/199:

AFFIRMATIVE VOTES:

Atack, R.M.	U.S. Army Medical Corps.
Bohl, C.D.	American Industrial Hygiene Association
Bovi, A.M.	Industrial Safety Equipment Association, Inc.
Callahan R.	Power Tool Institute, Inc.
Chial, M.R.	Audio Engineering Society
Davis, L.	Larson-Davis Laboratories
Erdreich, J.	National Council of Acoustical Consultants
Fox, J.	Edison Electric Institute
Goodwin, R.	Acoustical Systems, Inc.
Johnson, D.L.	Acoustical Society of America
Kasten, R.	American Speech-Language-Hearing Association
Luttrell, L.F.	Computer & Business Equipment Manufacturers Association
McKinley, R.L.	U.S. Department of the Air Force
Michel, G.C. (Alternate)	Bruel & Kjaer Instruments, Inc.
Naunton, R.F.	American Academy of Otolaryngology Head and Neck Surgery
Naunton, R.F.	American Otological Society
Page, J.	U.S. Department of the Navy, BUREAU OF MEDICINE AND SURGERY
Pei, H.S.	American Society of Heating and Refrigeration and Air-Conditioning Engineers, Inc.
Peppin, R.J.	Scantek, Inc.
Price, G.	U.S. Army Human Engineering Lab.
Roth, S.I.	ALCOA
Schomer, P.D.	U.S. Dept. of the Army, Engineering Research Lab.
Toothman, E.H.	Fastener Industry Noise Control Research Program
Vendittis, D.	David Taylor Research Center
Wang, S.	Air-Conditioning and Refrigeration Institute

NEGATIVE VOTES:

None

- 3 -

Letter Ballot S12/199

Continuation of results of letter ballot S12/199:ABSTENTIONS:

None

NOT RETURNED:

Addington, J.H.
Brownson, P.J.

Compressed Air and Gas Institute
American College of Occupational
Med. Assoc.

Flynn, D.

National Institute of Standards
and Technology

Mozo, B.
Rawlings, D.

U.S. Army Medical Research Lab.
National Electrical Manufacturers
Association (NEMA)

Tedrick, R.

Federal Aviation Administration

Avril Brenig
Standards Manager

cc: Standards Committee Vice Chair
ASACOS Chair and Vice Chair



ACOUSTICAL SOCIETY OF AMERICA

OFFICE OF THE
STANDARDS SECRETARIAT

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IMMEDIATE RETURN REQUESTED

S12/206
ATTACHMENT T-4

LB/S12/199
22 January 1991

Return to: Letter Ballot Department
Due date: 5 March 1991

**ADMINISTRATIVE LETTER BALLOT
ACCREDITED STANDARDS COMMITTEE
ON NOISE, S12**

Topic: Approval of Officers and Individual Experts of S12 for
1991/1992.

Approved for circulation by: D. Johnson, Chair S12

Distributed by: A. Brenig, Standards Manager

Reference Document: ATTACHMENT A - Lists Officers and Individual
Experts for S12

Background Information:

According to ANSI's procedures, under which the Accredited Standards Committees operate, the Officers of the Standards Committees are to be confirmed (at the beginning of their terms), as well as Individual Experts (the latter to be confirmed annually) by the respective Standards Committees.

The Officers and Individual Experts are proposed by the ASA Committee on Standards (ASACOS) as the Secretariat for the Standards Committees, in concert with the Chairs of the respective Standards Committees.

No change in S12 Officers is proposed for 1991/1992. The list of Officers and Individual Experts is attached for your consideration for confirmation. The ASA representatives to S12 for 1991/1992 are listed for your information.

ATTACHMENT A

S12 ACCREDITED STANDARDS COMMITTEE ON NOISE

S12 Appointments

<u>Position</u>	<u>Individual</u>	<u>Term</u>
Chairman	D. L. Johnson	1990-1993
Vice Chairman	L. H. Royster	1990-1993
ASA Representative	D. L. Johnson	1991-1992
Alt. ASA Representative	*P. Schomer	1991-1992
Individual Experts :		1991-1992
	P. K. Baade	"
	R. G. Bartheld	"
	R. W. Benson	"
	L. Beranek	"
	K. M. Eldred	"
	R. S. Gales	"
	W. J. Galloway	"
	R. M. Guernsey	"
	R. K. Hillquist	"
	D. L. Johnson	"
	W. W. Lang	"
	G. C. Maling, Jr.	"
	A. H. Marsh	"
	L. H. Royster	"
	W. R. Thornton	"
	H. E. von Gierke	"
	L. A. Wilber	"
	G. E. Winzer	"
	G. S. K. Wong	"
	R. W. Young	"

*NOTE: Subsequent to this ballot, the ASA representatives to S1 and S12 were interchanged: P. Schomer was named to S1 and W.J. Galloway was named as ASA representative to S12.



ACOUSTICAL SOCIETY OF AMERICA

S12/206
ATTACHMENT U-1

OFFICE OF THE
STANDARDS SECRETARIAT

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Telefax: (212) 949-0473

29 March 1991

TO: D.L. Johnson, Chair S12

Re: Letter Ballot LB/S12/202 sent to Accredited
Standards Committee S12 on 1 February 1991
and closed on 15 March 1991

SUBJECT: Approval of changes to the current Accredited Standards
Committee Procedures, adopted by four S Committees, and
approved by ANSI on 26 April 1988

Enclosed please find tally of the above letter ballot, showing results
as follows:

		<u>CLASSIFICATION OF MEMBERS</u>	
AFFIRMATIVE VOTES	<u>21</u>	P - PRODUCER	<u>10</u>
NEGATIVE VOTES	<u>4</u>	C - CONSUMER	<u>6</u>
ABSTENTIONS	<u>0</u>	G - GOVERNMENT	<u>7</u>
NOT RETURNED	<u>6</u>	GI - GENERAL INTEREST	<u>8</u>
TOTAL	<u>31</u>	TOTAL	<u>31</u>

Continuation of results of letter ballot S12/202:

AFFIRMATIVE VOTES:

Atack, R.M.	U.S. Army Medical Corps.
Bovi, A.M.	Industrial Safety Equipment Association, Inc.
Callahan R.	Power Tool Institute, Inc.
Davis, L.	Larson-Davis Laboratories
Erdreich, J.	National Council of Acoustical Consultants
Fox, J.	Edison Electric Institute
Johnson, D.L.	Acoustical Society of America
Kasten, R.	American Speech-Language-Hearing Association
Luttrell, L.F.	Computer & Business Equipment Manufacturers Association
Michel, G.C. (Alternate)	Bruel & Kjaer Instruments, Inc.
Naunton, R.F.	American Academy of Otolaryngology Head and Neck Surgery
Naunton, R.F.	American Otological Society
Page, J.	U.S. Department of the Navy, BUREAU OF MEDICINE AND SURGERY
Patterson, J.H. (Alternate)	U.S. Army Medical Research Lab.
Pei, H.S.	American Society of Heating and Refrigeration and Air-Conditioning Engineers, Inc.
Price, G.	U.S. Army Human Engineering Lab.
Roth, S.I.	ALCOA
Schomer, P.D.	U.S. Dept. of the Army, Engineering Research Lab.
Toothman, E.H.	Fastener Industry Noise Control Research Program
Vendittis, D.	David Taylor Research Center
Wang, S.	Air-Conditioning and Refrigeration Institute

NEGATIVE VOTES:

Bohl, C.D.	American Industrial Hygiene Association
Chial, M.R.	Audio Engineering Society
McKinley, R.L.	U.S. Department of the Air Force
Peppin, R.J.	Scantek, Inc.

Continuation of results of letter ballot S12/202:

ABSTENTIONS:

None

NOT RETURNED:

Addington, J.H.
Brownson, P.J.

Flynn, D.

Goodwin, R.
Rawlings, D.

Tedrick, R.

Compressed Air and Gas Institute
American College of Occupational
Med. Assoc.
National Institute of Standards
and Technology
Acoustical Systems, Inc.
National Electrical Manufacturers
Association (NEMA)
Federal Aviation Administration

Avril Brannig
Standards manager

cc: Standards Committee Vice Chair
ASACOS Chair and Vice Chair



ACOUSTICAL SOCIETY OF AMERICA

S12/206

ATTACHMENT U-4

OFFICE OF THE
STANDARDS SECRETARIAT

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Telefax: (212) 949-0473

IMMEDIATE RETURN REQUESTED

LB/S12/202

1 February 1991

Return to: Letter Ballot Department
Due date: 15 March 1991

**ADMINISTRATIVE LETTER BALLOT
ACCREDITED STANDARDS COMMITTEE
ON NOISE, S12**

Topic: Approval of changes to the current Accredited Standards Committee Procedures, adopted by the four S Committees and approved by ANSI on 26 April 1988.

Authorized by: D.L. Johnson, Chair

Distributed by: A. Brenig, Standards Manager

Reference Documents:

FOR ACTION
ATTACHMENT A - Proposed wording to be included in the Accredited Standards Committee Procedures relating to the conciliation of negative votes and positions

ATTACHMENT B - Proposed change in wording for section 8.6 of the Accredited Standards Committee Procedures (listing current wording and proposed change in wording)

Background Information:

At the ASA Committee on Standards (ASACOS) meeting held on Monday, 26 November 1990, in San Diego, California, it was decided that the Accredited Standards Committee Procedures should contain an additional section relating to the conciliation of negative votes and positions on documents sent for ballot. It was also considered appropriate to amend the wording of clause 8.6 of the Accredited Standards Committee Procedures in line with the changes which had occurred in the ANSI procedures, since they were approved by ANSI on 9 September 1987.

Mr. D.L. Johnson, Chair S12, recommends approval of the changes, noted in ATTACHMENTS A and B, to the Accredited Standards Committee Procedures.

LB/S12/202
1 February 1991

Question:

Shall Accredited Standards Committee S12, Noise, approve
the changes outlined in ATTACHMENT A and B (above) to the
Accredited Standards Committee Procedures?

YES _____ NO _____ ABSTAIN _____

COMMENTS: _____

MEMBER _____ REPRESENTING _____

SIGNATURE _____

TYPE OR PRINT NAME _____

DATE _____

ATTACHMENT A

Proposed Amendment (Addition) to the Accredited Standards Committee
Procedures

RESPONSES TO CONCILIATION EFFORTS FOR THOSE WITH
NEGATIVE COMMENTS

Where responses to attempt reconciliation are sent to an individual with a negative vote or position, a fifteen (15) day period is given for the individual to respond. If no reply is received within fifteen (15) days, then the outstanding comments are circulated to thirty (30)-day review by the Committee, with a statement to the effect that no reply was received by the given deadline.

ATTACHMENT BEXCERPT FROM ACCREDITED STANDARDS COMMITTEE PROCEDURESCurrent wording of Clause 8.68.6 Disposition of Views and Objections.

When the balloting has been closed, the secretary shall forward the ballot tally to the Chair of the committee and/or, if appropriate, of the subgroup. The Committee Chair shall determine whether the expressed views and objections shall be considered by correspondence or at a meeting.

Prompt consideration shall be given to the expressed views and objections of all participants, including those commenting on the listing in Standards Action. A concerted effort to resolve all expressed objections shall be made, and each objector shall be advised of the disposition of the objection and the reasons therefor.

Substantive changes required to resolve objections, and unresolved objections, shall be reported to the committee members in order to afford all members an opportunity to respond to them or to reaffirm or change their votes within thirty (30) days.

Proposed Change in Wording of Clause 8.68.6 Consideration of Views and Objections.

When the balloting has been closed, the secretary shall forward the ballot tally to the Chair of the committee and/or, if appropriate, of the subgroup. The Committee Chair shall determine whether the expressed views and objections shall be considered by correspondence or at a meeting.

Prompt consideration shall be given to the written views and objections of all participants, including those commenting on the listing in Standards Action. A concerted effort to resolve all expressed objections shall be made, and each objector shall be advised of the disposition of the objection and the reasons therefor.

Unresolved objections and any substantive changes made in a proposed American National Standard shall be reported to the consensus developing group in order to afford all members an opportunity to respond, reaffirm, or change their votes within thirty (30) days.

When this process is completed in accordance with the written procedures of the standards developer, subsequent comments may be held for the next revision.



ACOUSTICAL SOCIETY OF AMERICA

S12/206

ATTACHMENT V-1

OFFICE OF THE
STANDARDS SECRETARIAT

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Telefax: (212) 949-0473

4 February 1991

TO: D.L. Johnson, Chair S12

Re: Letter Ballot LB/S12/198 sent to Accredited
Standards Committee S12 on 14 December 1990
and closed on 31 January 1991

SUBJECT: Approval of resolution adopted by the majority
of those attending S12 meeting held on Thursday,
29 November 1990, in San Diego, California

Enclosed please find tally of the above letter ballot, showing results
as follows:

<u>CLASSIFICATION OF MEMBERS</u>			
AFFIRMATIVE VOTES	<u>18</u>	P - PRODUCER	<u>10</u>
NEGATIVE VOTES	<u>3</u>	C - CONSUMER	<u>5</u>
ABSTENTIONS	<u>3</u>	G - GOVERNMENT	<u>7</u>
NOT RETURNED	<u>7</u>	GI - GENERAL INTEREST	<u>9</u>
TOTAL	<u>31</u>	TOTAL	<u>31</u>

Continuation of results of letter ballot S12/198:

AFFIRMATIVE VOTES:

Atack, R.M.	U.S. Army Medical Corps.
Bareham, J.R.	Bruel & Kjaer Instruments, Inc.
Bovi, A.M.	Industrial Safety Equipment Association, Inc.
Chial, M.R.	Audio Engineering Society
Erdreich, J.	National Council of Acoustical Consultants
Fox, J.	Edison Electric Institute
Goodwin, R.	Acoustical Systems, Inc.
Johnson, D.L.	Acoustical Society of America
Kasten, R.	American Speech-Language-Hearing Association
Naunton, R.F.	American Academy of Otolaryngology Head and Neck Surgery
Naunton, R.F.	American Otological Society
Page, J.	U.S. Department of the Navy, BUREAU OF MEDICINE AND SURGERY
Patterson, J.H. (Alternate)	U.S. Army Aeromedical Research Lab.
Pei, H.S.	American Society of Heating and Refrigeration and Air-Conditioning Engineers, Inc.
Roth, S.I.	ALCOA
Schomer, P.D.	U.S. Dept. of the Army, Engineering Research Lab.
Vendittis, D.	David Taylor Research Center
Wang, S.	Air-Conditioning and Refrigeration Institute

NEGATIVE VOTES:

Bohl, C.D.	American Industrial Hygiene Association
Sataloff, J. (Alternate)	American College of Occupational Med. Assoc.
Toothman, E.H.	Fastener Industry Noise Control Research Program

Continuation of results of letter ballot S12/198:

ABSTENTIONS:

Callahan R.
Peppin, R.J.
Tedrick, R.

Power Tool Institute, Inc.
Scantek, Inc.
Federal Aviation Administration

NOT RETURNED:

Addington, J.H.
Davis, L.
Flynn, D.

Luttrell, L.F.

McKinley, R.L.
Price, G.
Rawlings, D.

Compressed Air and Gas Institute
Larson-Davis Laboratories
National Institute of Standards
and Technology
Computer & Business Equipment
Manufacturers Association
U.S. Department of the Air Force
U.S. Army Human Engineering Lab.
National Electrical Manufacturers
Association (NEMA)

LATE RESPONSE:

Naunton, R.F.

Naunton, R.F.
Schomer, P.D.

American Academy of Otolaryngology
Head and Neck Surgery
American Otological Society
U.S. Dept. of the Army, Engineering
Research Lab.

Avril Brenig
Standards Manager

cc: Standards Committee Vice Chair
ASACOS Chair and Vice Chair



ACOUSTICAL SOCIETY OF AMERICA

OFFICE OF THE
STANDARDS SECRETARIAT

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S12/206
ATTACHMENT V-4

IMMEDIATE RETURN REQUESTED

LB/S12/198
14 December 1990

Return to: Letter Ballot Department
Due date: 25 January 1991

ADMINISTRATIVE LETTER BALLOT
ACCREDITED STANDARDS COMMITTEE S12, NOISE
-AND-U.S. TECHNICAL ADVISORY GROUP FOR ISO/TC 43/SC1 NOISE

Topic: Approval of resolution adopted by the majority of those attending S12 meeting held on Thursday, 29 November 1990, in San Diego, California

Authorized by: D. Johnson, Chair S12

Distributed by: A. Brenig, ASA Standards Manager

Reference Document: None

Background Information:

At the S12 meeting held on 29 November 1990, in San Diego, California, Dr. Alice Suter informed the Committee about the imminent review by the U.S. Administration Conference (a small government agency), of the lack of a national noise abatement program. The input of societies, organizations and individuals is being sought in this process. A resolution was therefore adopted by the majority of those present at the S12 meeting (which is also the U.S. Technical Advisory Group for ISO/TC 43/SC1 on Noise) as follows:

that Accredited Standards Committee S12, and the U.S. Technical Advisory Group for ISO/TC 43/SC1 on Noise, strongly support the need for review of the requirement for, approaches and implementation of a National Noise Abatement program, and offer their professional expertise to assist in the formulation of a national strategy to arrive at the desired goals. The Committees consider these efforts of particular importance in order to remain competitive in the international arena with respect to noise control technology and noise environmental quality



S12/206
ATTACHMENT W-1

ADMINISTRATIVE CONFERENCE OF THE UNITED STATES

2120 L STREET, N.W., SUITE 500
WASHINGTON, D.C. 20037
(202) 254-7020

OFFICE OF
THE CHAIRMAN

February 28, 1991

Dr. Avril Brenig
Standards Manager
Acoustical Society of America
335 E. 45th Street
New York, NY 10017

Dear Dr. Brenig:

The Administrative Conference of the United States has been asked by the U.S. Environmental Protection Agency to evaluate various approaches to noise abatement and control, including whether or not a federal noise program is needed and, if so, what elements it should have. We have reason to believe that this is a subject of interest to you, and we would welcome your comments.

The Administrative Conference is an independent executive agency charged with studying the efficiency, adequacy, and fairness of procedures used by government agencies and to make recommendations for improvements to federal agencies, the Congress, and courts. We have contracted with Professor Sidney A. Shapiro, University of North Carolina School of Law, and Dr. Alice H. Suter, a professional noise consultant in Cincinnati, Ohio, to assist us on the study of noise control alternatives and EPA's responsibilities (project description enclosed).

Professor Shapiro and Dr. Suter now are conducting research on this topic and plan to submit a preliminary report to the Conference this May. They would appreciate your comments and suggestions on the subject of noise control, with special emphasis on the topics listed below. Please support your comments to the extent possible with examples or information from your own experience, and, where appropriate, give your reasons why certain activities should or should not be conducted in the future.

A. Strengths and Weaknesses of EPA's Former Office of Noise Abatement and Control (ONAC):

1. Value of ONAC's publications;
2. Expertise of ONAC staff members;
3. Value of ONAC's noise effects and technology research programs;
4. Usefulness of ONAC's model community noise ordinance;
5. Value of ONAC's new product noise regulations;

PAGE 2

6. Value of ONAC's technical support programs for state and local governments;
7. Appropriateness and usefulness of ONAC's role in the development of regulations for aircraft noise abatement;
8. Value of ONAC as a federal entity to encourage the use of uniform descriptors for noise and its effects;
9. Value of a ONAC as a central coordinator of federal noise programs;
10. Usefulness of ONAC's public information and education program; and
11. Whether any of ONAC's programs should be revived and, if so, the extent to which such programs should be in a different form or conducted in a different manner.

B. State and Local Noise Regulation:

1. Reasons for the decline in state and local noise abatement and control following the suspension of the federal program; and
2. Relationship between state and local noise regulation and the role of EPA (or federal law).

C. New Programs:

We would also appreciate your comments about the usefulness of possible new programs, such as:

1. Labeling of products for noise emission;
2. Federally supported national and international consensus noise standards activities;
3. Revising noise effects criteria and reevaluating noise descriptors; and
4. Maintaining a computerized data base on noise effects and control.

These lists of topics are included only to stimulate and focus your comments. You need not limit your comments to these topics, nor do you need to address each one. Please send any comments by April 1, 1991 to the project coordinator:

David M. Pritzker
Administrative Conference of the U.S.
2120 L Street, N.W., Suite 500
Washington, DC 20037

Copies of all comments received will be forwarded to the consultants.

PAGE 3

You also should feel free to contact our consultants directly if you have questions about the project. Professor Shapiro can be reached at (919) 962-4332 and Dr. Suter can be reached at (513) 232-7667.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michael W. Bowers", with a stylized flourish at the end.

Michael W. Bowers
Deputy Research Director

Enclosure

January 1991

PROJECT DESCRIPTION

NOISE CONTROL ALTERNATIVES AND EPA'S RESPONSIBILITIES

Background

EPA was given comprehensive regulatory authority by the Noise Control Act of 1972 (Pub. L. 92-574), as amended by the Quiet Communities Act of 1978 (Pub. L. 95-609) (codified at 42 U.S.C. §§ 4901-4918).

The Act directs EPA to coordinate noise control programs in the federal government, identify and publish a list of major sources of noise, propose regulations for major noise sources, issue labeling regulations for noise producing or noise reducing products, propose noise emission standards for railroads and trucks, propose regulations to the FAA concerning aircraft noise, develop and disseminate information on the effects of noise, and finance research in the area. Administrative civil money penalties are authorized for violations of the statute or regulations.

EPA responded by setting up an information clearinghouse, research, and technical assistance program and by listing and regulating various major noise sources. It also developed several regulations for control of aircraft noise, which subsequently were adopted and promulgated by the FAA. However, since 1982 no funds have been requested by the Administration or appropriated by Congress for this program and no staff is currently designated to implement or enforce the Act or agency regulations.

The Administrative Conference Study

The Administrative Conference has undertaken a study to (1) identify and evaluate factors that may have caused state and local governments to discontinue their noise abatement and control programs in the years following the suspension of the federal program, (2) evaluate the ramifications of the current suspension of agency regulatory or deregulatory activity, and (3) examine and evaluate alternative approaches to noise control regulation by the EPA.

Methodology

The Conference's study will be conducted by a team of two consultants, one with a background in administrative law and one with a background in noise or environmental regulation. The Office of the Chairman will require submission of a draft report containing tentative recommendations (projected for May 1991) and a final report containing revised recommendations (projected for July 1991). A standing committee of the Conference will review the report and may develop recommendations for consideration by the full Conference at a Plenary Session (projected for December 1991).