



Industrial Safety Equipment Association

MINUTES

Passive Monitor Standards Committee
of the
Instruments Group
Sunday, November 5, 1995
Stouffer Dallas Hotel
Dallas, Texas

MEMBERS PRESENT

3M Company
Envirometrics Products Co.
Mine Safety Appliances
SKC Inc

James Kvickstad
Skip Elliott
Katie Spear
Martin Harper

OTHERS PRESENT

Assay Technology
Webster, Chamberlain & Bean
ISEA

Gus Manning
David Goch
Bill Erny

PRESIDING

Skip Elliott, *chairperson*

1. CALL TO ORDER

The meeting was called to order at 10:00 a.m.

As the first order of business Chairman Elliott outlined the following three goals of the Committee meeting today:

- Review and approve the draft standard for release to the informal peer review group;
- Approve the informal peer review group members;
- Consider and vote on the alternative section 6 on evaluation parameters submitted by Martin Harper.

Martin Harper reported on ASTM Committee activity. Martin explained that Dave Bartley is the NIOSH representative to the ASTM D44 Committee on Air Sampling. Allen Ishe of Miles is the chairman of the D44 Committee. Richard Danchik of ALCOA is the chairman of the D44.02 subcommittee on workplace atmospheres. Martin has been maintaining communications with Dave Bartley who was assigned by the D44.02 Committee to update the NIOSH protocol.

However, Dave has agreed to postpone revision of the NIOSH protocol until he has had a chance to look at the ISEA draft and will consider adopting the ISEA requirements as the NIOSH criteria. It was further explained that ASTM may adopt the ISEA/ANSI standard as an ASTM/ANSI standard.

2. CONSIDERATION OF MINUTES

The minutes of May 21 were approved as presented.

3. REVIEW OF DRAFT 10/11/95 STANDARD

The Group agreed to modify the title of the standard to more accurately describe the type of products included. The word TYPE was replaced with SAMPLERS AND MONITORS.

The Group revised section 1, Purpose and Scope. Section 1.1 was replaced with the following: "This standard enables manufacturers and users of diffusive samplers and monitors to adopt a consistent approach to product evaluation." The revised language was developed to better explain the purpose of the standard. It was noted that the previously included background information was inappropriate and should be deleted.

Section 1.3 was revised to delete a Type C device. It was decided to combine the Type A and Type B devices into Type A - On-site Reading Devices. The previous Type C devices were reclassified as Type B - Laboratory Analyzed Devices. It was noted that the separation of Type A and Type B was redundant and not needed to include all types of passive monitoring devices.

Section 2 was modified to eliminate Level I and Level II compliance classifications. It was agreed that the reporting requirements required by the standard are sufficient to ensure that proper extrapolation criteria are followed since they require a manufacturer to disclose and provide rationale for exclusion of any test method due to extrapolation. The following was developed and included under section 2.1:

"Compliance with this standard shall be established by a test report which details adherence to the test methods and evaluation parameters outlined in this standard.

If it is known that a certain sampler or monitor is unaffected by a specific environmental influence, the relevant tests may be modified to examine only the factors likely to have an influence. The rationale for any modification to the test methods and evaluation parameters must be fully outlined in the test report."

An alternate proposal for section 6 was presented by Martin Harper for consideration by the committee. Martin explained that the alternate section 6 was developed to promote international harmonization. Martin Harper explained that

complete harmonization is unfortunately not possible at the present time since the European Standards specify accuracy limits and evaluation criteria. However, alternate section 6 was written so that products evaluated under the ANSI criteria could be included under the European and NIOSH criteria. After review and modification, the alternate section 6 was approved for adoption to replace the current section 6 with the following exceptions: the current section 6.1.6, Quality Control; section 6.1.9, Inter-reader variability; and section 6.1.10, Readout time were retained.

Section 7 was removed since it is already included in the newly adopted section 6.

Section 8 was re-titled "Quality Control Requirements" and renumbered as section 7. Section 8.2, "Reporting and Labeling Requirements" was made its own section 8.

Martin Harper volunteered to review the reporting and labeling requirements section to ensure it coincides with the newly adopted section 6.

The Group reviewed and made minor revisions to the definitions section to clarify and remove extraneous definitions that are not needed or used within the body of the text.

The Group reviewed a proposed section on Field Test that was developed by Bob Weber of 3M. It was proposed that Bob's proposal replace the appendix. However, after review the Group concluded that the current language was close to achieving the objective of describing generally the importance of field testing. It was noted that this standard should not and does not address field testing criteria. Gus Manning volunteered to review the appendix language on field evaluation and coordinate his revision with Bob Weber. Martin Harper suggested that Gus use the CEN section on field evaluation as reference.

Skip Elliott was assigned to incorporate all approved changes into the draft standard within the next two weeks. Bill Erny was assigned to distribute the revised draft to Group members for review. ISEA will set up a conference call of the Passive Monitors Group for December 20 at 11:00 a.m. EST. The objective of the call is to discuss and resolve all concerns with the draft and to confirm approval of the draft for submission by the end of 1995 to the informal peer review group. The informal peer reviewers will be requested to return comment to the ISEA by the end of March. The Passive Monitors Group will meet at the AIHCE in Washington to review the comments and approve a final draft for submission to ANSI as an American National Standard.

Martin Harper announced that a round table discussion is scheduled for the AIHCE, "Accuracy Considerations for Air Sampling and Analysis Methods".

Attached is the round table abstract. Martin explained that a major topic of discussion will be the ISEA draft diffusive sampler standard. It was agreed that the Group should include the feedback generated at the round table with the comments received by the peer reviewers.

In conclusion it was agreed that a final draft standard is expected for completion for submittal to the ANSI canvass list by the spring of 1996 and that a final published document could be available by the fall of 1996.

4. CONSIDERATION OF THE INFORMAL PEER REVIEW GROUP

The Group approved the following list of 10 peer reviewers that will be asked to review and comment on the ISEA draft:

- Dr. Gene Feigly, University of South Carolina
- Richard Brown, Health & Safety Laboratory
- Lee Montieth, University of Washington
- Mark Puskar, Abbott Laboratories
- Dave Bartley, NIOSH
- Dr. Stephan Zloczysti, CEN
- Rick Cee, OSHA
- Paul Michael,
- Rolf Hahne, Dow Chemical Company

5. NEXT MEETING

The next meeting was tentatively scheduled for the third week in May in conjunction with the American Industrial Hygiene Conference which is being held in Washington D.C.. More specific information will be determined at a later date.

6. ADJOURNMENT

There being no further business to discuss, a motion to adjourn was accepted at 4:25 p.m.

Respectfully submitted,



William J. Erny
Technical Director

Attachment

**List of passive monitor peer review group
11-9-95**

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