



**INTERNATIONAL
COMMITTEE *on*
ELECTROMAGNETIC
SAFETY**

**SUBCOMMITTEE 3
SAFETY LEVELS WITH RESPECT TO HUMAN EXPOSURE, 0 to 3 kHz**

**27th Meeting
Double Tree Hotel - Airport
San Antonio, TX
Friday, December 3, 2004**

MEETING MINUTES

Members Present

Eleanor Adair
Bill Ash
David Baron
Ralf Bodemann
Philip Chadwick
Robert Curtis
Jim Daly
John D'Andrea
John DeFrank

Thanh Dovan
A. Y. Duvdevany
Ken Gettman
Donald Haes, Jr.
Martin Hernandez
Veronica Ivans
Kent Jaffa
Dr. Sheila Johnston
Charles Kim

Robert Needy
John Osepchuk
Ronald Petersen
J. Patrick Reilly
Brad Roberts
Richard Tell
Don Umbdenstock
Jamaal Whitmore

Members – Excused Absences

Franz Adlkofer
William H. Bailey
Richard Barker
Howard Bassen
Dan Bracken

Aviva Brecher
Daniel Goulet
Joe Koepfinger
Tom McManus

Steve Pittman
Ken Proctor
Ervin Root
Asher Sheppard
Marvin Ziskin

Members Absent (consecutive unexcused absences)

Pascale Bellier (1)	Michael Herz (5)	D. A. Nelson (1)
John Bergeron (5)	Louis Heynick (1)	William Paul (2)
David Black (1)	Daniel Hicks (1)	Robert Podhrasky (1)
Charles Boeggeman (5)	Roy Hubbard (1)	Paolo Ravazzani (1)
Robert Carberry (4)	E. Karabetsos (2)	Walter Rogers (3)
Kazuhiko Chikamoto (3)	Jolanta Karpowicz (1)	Jon Sirugo (4)
Roger Coghill (1)	Kathy Khalil (1)	David Sliney (4)
Steinar Dale (6)	Niels Kuster (5)	Mays Swicord (2)
Linda de Jager (1)	Janet Lathrop (2)	Art Thansandote (2)
Guglielmo d'Inzeo (2)	John Leonowich (1)	György Thuróczy (3)
A. Y. Duvdevany (2)	W. G. Lotz (4)	Eric van Rongen (1)
David Fichtenberg (4)	Patrick Mason (4)	Arthur Varanelli (1)
David George (1)	Robert McCourt (5)	Femme-Michelle Wagenaar (1)
Georges Goldberg (5)	Dr. James McNamee (1)	Louis Williams, Jr. (1)
Bob Hanna (1)	James Merritt (5)	Done-Sik Yoo (1)
	Dr. Michael Murphy (4)	Donald Zipse (2)

Guests Present

Jules Cohen, Consulting Engineer
W. Howard Cyr, U.S. Food & Drug Administration
Abiy Desta, U.S. Food & Drug Administration *
B. Jon Klanenberg, U.S. Air Force *
Drew Koban, U.S. Navy
Jeff Vollin, Raytheon *

* Requested membership on SC 3

1. CALL TO ORDER

The meeting was called to order at 8:09 AM by Co-Chair Philip Chadwick.

2. SELF INTRODUCTIONS & ATTENDANCE ROSTER

The Chair requested that all attendees introduce themselves and state their affiliation.

The SC 3 Membership Roster in the Attendance folder was circulated for members present to initial to indicate attendance at the meeting and to update their listing on the roster, particularly to make

sure that their e-mail address was included and correct and to add their IEEE membership number and grade, if IEEE members. Guests were requested to either provide a business card in the attached envelope or to provide mailing information on the attendance sheet in the folder. Guests were also requested to indicate if they wanted to become a member of SC 3.

3. OPENING REMARKS

Co-Chair Chadwick provided some general information to the attendees.

4. APPROVAL OF AGENDA

A motion to approve the Agenda was made and seconded. The Agenda was unanimously approved, see Attachment #1.

5. APPROVAL OF June 18, 2004 MINUTES

A motion to approve the Minutes of the June 18, 2004 meeting was made and seconded. The Minutes were unanimously approved.

6. CHAIRMAN'S REPORT

Co-Chairs Chadwick and Than Dovan reported.

7. SECRETARY'S REPORT

The Secretary reported. The attendance policy for continued membership in SC 3 was restated. Members will be removed from the roster after missing two (2) consecutive meetings unless an excused absence is requested. The reason(s) for absences from SC 3 meetings will be accepted by e-mail, phone, or in writing to the Secretary or the Chairs. Before removing members, the Secretary will contact the individual and request, either by e-mail or in writing, their intentions for continued membership. If no response is received, the individual will be removed from the membership roster.

Since the previous meeting, the following changes have occurred in the membership of SC 3:

7.1 Three new members were added at the last meeting or since the last meeting:

Prof. D. A. Nelson
Dr. Paolo Ravazzani
Done-Sik Yoo

7.2 No members were removed from the roster since the last several meetings for failing to comply with the attendance policy due to the illness of the Secretary, however the roster will be cleaned up by the end of the year.

Ten members requested an excused absence from this meeting.

This is my last meeting since I am retiring from full time employment at the end of this month. A volunteer is requested to become Secretary of this Subcommittee.

See Attachment #2 for the current SC 3 roster. Prior to this meeting there were 86 members of SC 3 plus 8 corresponding members.

The Secretary's report was accepted.

8. ICES SCC-28 EXCOM REPORT

Ron Peterson reported.

9. IEEE C95.6 SHORT COURSE ADMINISTRATION

Co-Chair Dovan reported. There have been three courses to date. The feedback has been very positive. Administration of the course needs to be improved.

10. IEEE C95.6 SHORT COURSE PROGRESS

Kent Jaffa reported that he and Pat Reilly are open to any suggestions to improve the course. A suggestion was made to invite a representative from ICNIRP to attend the course and answer questions related to the ICNIRP standard.

11. APPLICATION GUIDE WORKING GROUP

Co-Chair Dovan reported. A recommendation was made to post the questions and answers on the ICES website rather than publishing an Application Guide. Information could be added to the website as it is developed, see Attachment #3.

12. IEEE C95.6 INTERPRETATIONS WORKING GROUP

Ron Peterson reported that the Interpretations Working Group has been established and there has not been any requests for interpretations.

13. WORKING GROUP REPORT ON LONG TERM EFFECTS STATEMENT

A motion was made and seconded to disband the Working Group on the basis that the statement in the standard is already adequate. The motion passed unanimously.

14. UPDATE ON INTERNATIONAL STANDARDS ACTIVITY

Thanh Doan reported and provided a PowerPoint presentation.

Philip Chadwick also reported.

15. OTHER OLD BUSINESS

There was no other old business.

16. NEW BUSINESS

16.1 A discussion was held on whether to either combine C95.6 with C95.1 to cover the entire frequency range or should the upper limit of C95.6 be changed from 3 kHz to 100 kHz. A motion was made and seconded to ask ExCom to consider this issue. Motion passed 23 – 1.

16.2 A discussion was held on the possibility of posting the Minutes and, in particular, the Attachments on the ICES website. ExCom will discuss this issue at their meeting later in the day.

17. NEXT MEETING

The next meeting of SCC-28 and the subcommittees will be held in Dublin, Ireland at the Dublin Castle. The SC and ICES meetings will be held during the period of June 23 - 27,

18. ADJOURNMENT – The Chair adjourned the meeting at 11:55 AM

Respectfully submitted,

Jim Daly

Jim Daly, Secretary
Subcommittee 3 of IEEE/ICES SCC 28

Attachments #1 - #3