



**INTERNATIONAL
COMMITTEE *on*
ELECTROMAGNETIC
SAFETY**

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

**23rd Meeting
IEEE Headquarters
445 Hoes lane
Piscataway, NJ 08855-1331
Saturday, December 14, 2002**

MEETING MINUTES

Members Present

Eleanor Adair
William H. Bailey
David Baron
Ralf Bodemann
Aviva Brecher
Jim Daly
John D'Andrea
John DeFrank
David Fichtenberg
Donald Haes, Jr.

Wayne Hammer
Martin Hernandez
Louis Heynick
Dr. Sheila Johnston
Tom McManus
Michael Murphy
Robert Needy
John Osepchuk
Ronald Peterson
Brad Roberts

Carl Sutton
Mays Swicord
Richard Tell
Arthur Varanelli
Femme-Michelle Wagenaar
Richard Woods
Don Zipse
Marvin Ziskin

Members – Excused Absences

Dr. Franz Adlkofer
J. Robert Ashley
Pascale Bellier
Robert Carberry
Thanh Dovan
Ken Gettman
Daniel Goulet
Daniel Hicks

Roy Hubbard
Kent Jaffa, (Chair)
Joe Koepfinger
W. Gregory Lotz
Patrick Mason
James McNamee
William Paul

Steve Pittman
J. Patrick Reilly
Ervin Root
Dave Sawdon
Asher Sheppard
Jon Sirugo
Art Thansandote
Eric van Rongen

Members Absent (consecutive unexcused absences)

John Bergeron (1)	Linda de Jager (1)	John Leonwich (1)
David Black (1)	Om Gandhi (1)	Robert McCourt (1)
Charles Boeggeman (1)	Kelly Gibney (1)	James Merritt (1)
Philip Chadwick (1)	Georges Goldberg (1)	Robert Podhrasky (2)
Roger Coghill (2)	Michael Herz (1)	Cleveland Watkins (2)
Robert Curtis (1)	Veronica Ivans (1)	Louis Williams, Jr. (1)
Steinar Dale (2)	Niels Kuster (1)	

James King resigned due to a new military assignment.

Guests Present

Howard I. Bassen, Food & Drug Administration *
Kazuhiko Chikamoto, Japan NUS Co., Ltd. *
Janet Lathrop, Resource Strategies, Inc. *
Ken Proctor, US Army, CECOM *
David H. Sliney, Aberdeen Proving Ground *

* Requested membership on SC 3

1. CALL TO ORDER

The meeting was called to order at 1:00 PM by SCC 28 Chair, Dr. Eleanor Adair, who announced that the Subcommittee Chair, Kent Jaffa, was unable to attend the meeting and that John Osepchuk would chair the SC 3 meeting. Kent's position has changed and he has submitted his resignation from SC 3.

2. SELF INTRODUCTIONS & ATTENDANCE ROSTER

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

The SC 3 Membership Roster 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. Guests were requested to either provide a business card in the attached envelope or to provide mailing information on an attendance sheet that was circulated with the roster. Guests were also requested to indicate if they wanted to become members of SC 3.

3. OPENING REMARKS

The Chair provided some general information to the attendees.

4. APPROVAL OF AGENDA

The Agenda was approved, see Attachment #1.

5. APPROVAL OF 6/28/02 MINUTES

The Minutes were approved as published.

6. CHAIRMAN'S REPORT

The Chair thanked the many members of SC 3 that actively participated in the development of C95.6.

7. SECRETARY'S REPORT

7.1 MEMBERSHIP MATTERS

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 Chair. 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.

3 members were removed from the membership roster since the last meeting for failure to comply with the attendance policy and not responding to the Secretary's e-mails.

Peter Gajšek
Greg Gorsuch

John Ziriak

Gregor Dürrenberger, Lee Rosen and Vijayalaxmi resigned from the Subcommittee.

No new members have been added since the last meeting:

23 members requested an excused absence from the December 14th meeting as indicated above under Members – Excused Absences.

See Attachment #2 for the current SC 3 roster. Prior to this meeting there were 72 members of SC 3 plus 7 corresponding members.

The Secretary's report was accepted.

8. ICES SCC-28 EXCOM REPORT

Dr. Eleanor Adair, Chair of ICES SCC 28, reported that the SC 3 meeting would most likely end before 5:00PM and SC 5 would hold a brief meeting following the conclusion of the SC 3 meeting. She also stated that SCC28 ExCom would meet later in the evening and she would report on the results of the meeting at the SCC28 meeting on December 15.

There were two appeals to IEEE regarding the C95.6 standard. The appeals have been heard and the decisions on the appeals will be issued in mid-January.

9. UNIFORM VS NON-UNIFORM FIELD EXPOSURES

Bill Bailey made a presentation on Assessing Compliance with Existing Guidelines, see Attachment #3.

10. TOPICS TO BE INCLUDED IN THE APPLICATION GUIDE

SC 3 needs to establish an Interpretations Task Group to respond to requests for interpretations on C95.6.

The Chair invited the SC 3 members to recommend topics that should be included in the Application Guide for C95.6.

Resolve coordination with SC 1. The next meeting of SC 1 will be held on January 29, 2003 in Washington, DC.

Kent Jaffa had been in the process of establishing an Application Guide Task Group. Subsequent to the meeting, Kent Jaffa advised that the following SC 3 members had volunteered to work on the Application Guide:

Dave Baron
Howard Bassen
Ralf Bodemann
Om Gandhi
Ken Gettman

Roy Hubbard
Kent Jaffa
Pat Reilly
Rick Tell
Art Varanelli

11. TASK GROUP REPORT ON LONG TERM EFFECTS STATEMENT

Dr. Tom McManus reported, see Attachment #4. SC 3 members were invited to comment on the draft. Comments should be sent to Dr. Thomas McManus.

12. UPDATE ON INTERNATIONAL STANDARDS ACTIVITY

Dr. McManus provided a brief review of various international developments since the last SC 3 meeting in June, 2002, see Attachment #5.

The main activities occurred within ICES – C95.1, C95.5, and C95.6

13. OTHER OLD BUSINESS

SC 3 was formed in 1990 and twelve years later produced C95.6.

The SC 3 officers need to develop a PAR to undertake revision of C95.6.

The Chair proposed that a more realistic division between the standards would be 100 kHz rather than 3 kHz.

14. NEW BUSINESS

Dr. Shiela Johnston provided a summary, see Attachment #6, of the Workshop conducted on *Genetic and Cytogenetic Aspects of RF-Field Interaction* in Löwenstein, Germany on November 24 – 27, 2002. Mytrill Simko, the author, is at Rostock University in Germany and is part of the REFLEX project.

15. NEXT MEETING

The next meeting of SCC-28 and the subcommittees will be in Maui on June 19-22, 2003. SC 3 will probably meet on Saturday, June 21st.

16. ADJOURNMENT – The Chair adjourned the meeting at 3:47 PM.

Respectfully submitted,

Jim Daly

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

Attachments No. 1 through 6