



# INTERNATIONAL COMMITTEE *on* ELECTROMAGNETIC SAFETY

## Approved ICES SC2 Minutes of the August 28, 2006 Meeting in Piscataway, NJ

Call to order at by Dave Baron 9:02 AM

- Dave Baron will act as Chair at the request of Ric Tell, D. Haes will record the minutes.
- Introductions
- Agenda approved upon lack of comments to the contrary.

### Old Business

- New C95.7 Standard
  - Some members listed on the working group, or balloting group, or both, has not received copies.
  - **ACTION ITEM: Ron Petersen will look into why those did not get copies.**
- Discussion of Glossary- A discussion ensued about what venue would be best used to get the glossary into the hands of those who could use it most.
  - John Osepchuck: Use an article in the IEEE's *Spectrum*. Want to reach and educate the general public.
  - Ron Petersen: Post on website.
  - Dave Baron: May be cost prohibitive due to purchasing IEEE Standards at costs of \$55-\$75.
  - Don Haes: How do we educate the public by offering them documents for sale through the IEEE?
  - John Osepchuck: Quote "pertinent" sections of glossary in "public" documents.
  - Jules Cohen: Review Standards already published, glean definitions & amend definitions to correlate with each standard.
  - Dave Baron: Creating a PAR would "force" work to get done.
  - **Ron Petersen: Made a motion to generate a PAR for glossary of terms.**
    - John Osepchuck: 2<sup>nd</sup> motion.
    - Discussion: Ralf Bodemann: Generate scope of terms; "DC to Daylight".



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- Vote Unanimous-motion carried.
- **ACTION ITEM: Generate a PAR for glossary of terms for SC-2.**
- Need Chair of WG to work on glossary of terms; Ric Tell was nominated since it was determined the WG would consist of all of SC-2; there were no dissenting comments.
- Ron Petersen: Need to work out “**Scope**”, “**Purpose**”, and “**Need**” for PAR. It was decided to work out these items with the time allotted for the meeting. With Dave cracking the whip, the following expressions were hammered out:
  - **Scope:** This guide provides a glossary of terms specific to electromagnetic safety standards.
  - **Purpose:** Provide a means for consistent use of terms, clarify their use in IEEE electromagnetic safety standards (0 to 300 GHz), and improve the understanding of the general public on the meaning of these terms.
  - **Need:** There is a general lack of consistency in the use of terms related to electromagnetic energy exposure.
- **CK Chou: Made a motion to pass along PAR to Ric Tell.**
  - Eleanor Adair: 2<sup>nd</sup> motion.
  - Discussion: None.
  - Vote Unanimous-motion carried.
  - **ACTION ITEM: Pass along PAR for glossary of terms to Chair SC-2.**
- Previous Minutes of meeting held in San Antonio, TX was reviewed.
  - Jules Cohen pointed out that the minutes lack a roster of attendees.
    - **ACTION ITEM: Dave Baron will attach a roster of to minutes.**



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## New Business

- Short Course
  - Chair's comments (in abstentia): We should develop the written examples first so that we are in a position to talk about the examples in a short course.) .
  - Ron Petersen: Elicit examples from members through round table discussions.
  - Art Varanelli: Use Z136.1 as a guide for the examples they used.
  - Examples provided by members present:
    - Mobile base stations
    - Broadcast
    - Heating (enclosed systems)
    - Radar
    - RF Sealers
    - EMC Chamber
    - Medical
  - Ralf Bodemann requested the group remains “hands off” medical issues at the present.
  - Art Varanelli: Show the spectrum as a whole, and include examples as representative of the particular portion of the spectrum. Jules Cohen echoed this suggestion.
  - Bob Johnson wanted to know who the particular audience we are targeting for this short course?
  - Don Haes suggested the “blue collar” workers most likely to be exposed “unaware”; roofers, HVAC workers, sign company installers, etc.
  - Dave Baron elicited a discussion on which group(s) we SHOULD be targeting?
  - John DeFrank: We should be targeting those who are required to be certified as “RFSO”.
  - CK Chou suggested we work with Telecom groups.
  - **ACTION ITEM: Dave Baron asked for volunteers to form a WG to meet to work on these examples.** Theses volunteers could meet this October/November time frame to create a list for the SC to look over.
    - The following persons volunteered: Brad Roberts, Bob Johnson, Ralf Bodemann, Art Varenelli, Paul Testagrossa, Dave Baron, Don Haes (depending on location of timing/meeting).
- Applicability & Quality Control



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- John DeFrank wondered who has looked over the C95.7 guide and who has used it?
- Dave Baron indicated that IH's are very interested in the document.
- John Osepchuck asked if there had been any questions posted about the guide or any requests for interpretations?
- Dave Baron indicated there had been no questions nor requests for interpretations thus far.
  
- New Short Course for RFSO Training
  - John DeFrank would like to see a short course intended to “certify” RFSO's in accordance with the C95.7 guide. He indicated that the DoD has a course already that they are involved with.
  - John Osepchuck stated that EXCOM should explore this idea based upon past courses performed by TC95.
  - Don Haes suggested that the short course discussed previously could, as part of the course, recommend any future short courses to help the RFSO's acquire the training necessary for their function.
  - Jules Cohen pointed out the surveys on the WTC, and just how complex an area can be in presenting a challenge for the RFSO.
  - Again, Art Varanelli suggested that the spectrum can be presented in a short course as a whole, and include examples as representative of “health effects” from the particular portion of the spectrum.
  
- Time and date of next meeting?
  - Rely on parent committee to set the time and date.
  
- Meeting adjourned at 11:53 AM.
  - Motion to adjourn by Art Varanelli, 2<sup>nd</sup> by Dave Baron.