



INTERNATIONAL  
COMMITTEE *on*  
ELECTROMAGNETIC  
SAFETY

*Approved Meeting Minutes*  
**IEEE ICES Subcommittee 2**  
**Committee on Terminology, Units of Measurement, and Hazard**  
**Communications**  
**Tuesday, December 13, 2011 Plantation, FL**  
**1000 - 1230 h**

**1. CTO**

Chairman Tell called the meeting to order at 1000 h.

**2. Introduction of those in attendance**

Those in attendance introduced themselves (See Attachment 1 for attendance list.)

**3. Modifications and approval of agenda**

Agenda approved.

**4. Review and approval of DRAFT minutes of Halifax meeting (June 2011)**

Noted that attendance sheet was not attached. Chair will add to the meeting minutes.  
Minutes approved.

**5. Old Business:**

**a. Discussion of revised C95.7 draft responding to concerns of NIOSH and recommendations for publication:**

Draft changes were sent to the committee and discussed with Joe Bowman prior to the meeting.

Tell asked whether the committee is prepared to send forward for publication with these changes? Are there other changes needed at this time?

Joe Bowman (call in): Summarized issue of five times MPE as action level for exposure investigation and engineering controls. Changes will ensure a recommendation by OSHA and NIOSH that this Recommended Practice be used for RFR safety.

Bob Curtis (call in): He feels that this clarifies what was seen as an ambiguity.

Purpose changed to read: "These guidelines are provided to assist in the development of RF safety programs for the use of RF energy-producing devices, equipment, and systems, and to prevent exposures in excess of applicable RF limits for workers or the public."

Jon Klauenberg: Suggested aligning this draft Recommended Practice with proposed changes in C95.1 revision (such as substituting MPE with AEL). Discussed the time delay this will cause. Petersen outlined the timeline for publication, which should require 1 year. Edit to read "... applicable RF exposure limits..."

New members of SC-2 are Marv Wessel , Niels Smit, and Bob Cleveland.

Discussion of balloting process. Standards Association membership (or invited expert) in order to vote.

Will establish a subcommittee ballot and begin the review process. Changes and additions will be considered during this process.

**b. How to come to resolution on examples for inclusion in a new version of C95.7:**

Bob Curtis suggested adding to the IEEE web site. He would like sanctioned examples. Ron suggested beginning an Addendum which would include these examples for later incorporation.

Bob Curtis agreed to lead the effort to assemble examples for inclusion in an addendum to the Recommended Practice after it's published. This will be a parallel process. Others agreed to assist Bob.

**c. What position should C95.7 take on requirement for barriers?**

Discussion of what is considered a barrier. How does the FCC define this?

4.3.1.2 "Physical barriers" defined and described.

Curtis pointed out that we have two MPE's and that this Recommended Practice is applicable to both.

Curtis suggested that the presence of an RF emitting device triggers the need to implement an RF safety program. Recommended Practice includes a process for triggering the need for a safety program, which is outlined in Table 2.

**d. RF Safety Program for Low Frequencies (ran out of time in Halifax, not discussed)**

No discussion.

**6. New Business:**

Invitation to ballot within the subcommittee will be sent out.

**7. Time and Place of Next Meeting –TBD.**

**8. Adjournment – adjourned at 1200.**

**Action Item: Ric Tell to address request for interpretation, since IEEE no longer requires a formal interpretation of the standard.**