



**INTERNATIONAL  
COMMITTEE *on*  
ELECTROMAGNETIC  
SAFETY**

**IEEE ICES SC2  
Approved Meeting Minutes  
FDA White Oak  
Silver Spring, MD  
14 January 2010**

Meeting called to order by Chairman Ric Tell

Introduction of those present

Agenda – Proposed agenda, Bob Weller is not able to report on FCC activities. Agenda approved as modified.

Minutes of previous meeting (2 December 2008), FDA, Silver Spring, MD, approved as presented (M/S/C, Jules Cohen, Jim Hatfield)

Old Business:

Action items –

Art Varanelli – no report

RFSP Guide – discussion of status and possible structure, what examples?

Jim Hatfield – has compiled a summary of several broadcast investigations, primarily VOA. Ric will circulate.

Jon Klauenberg – Glossary, NATO has just completed their applicable glossary. Ron Petersen has a summary of ICES terms.

C-K. Chou – presentation from PIERS meeting, Metallic Implants and MRI Exposures

Discussion on SAR and medical implants

Ed Mantiply – presentation on FCC RF Safety Policies prepared for upcoming GLORE meeting. Discussed differentiation between terms, Categorical Exclusion and Exemption.

Discussion of FCC process regarding RF safety and licensees.

Chairman Ric Tell discussed an RF safety program application. The facility had a 15 GHz source, surrounded by a fence limiting access to the general public. The source is controlled such that the exposure outside and inside the fence cannot exceed the MPE. A careful parsing of the C95.1 exposure requirement text could indicate that the objective for an Action Level is to assure that



INTERNATIONAL  
COMMITTEE *on*  
ELECTROMAGNETIC  
SAFETY

members of the uncontrolled population not be exposed to field intensities greater than the MPE.

After extensive discussion, it was decided to submit this question to the IEEE for an interpretation.

John Brewer, USAF, had submitted a query to Chairman Ric Tell regarding the rule-of-thumb calculation of  $4P/A$  as an estimate of near field power density levels (see attached). He pointed out some seeming contradictions on the available guidance documentation.

There was a discussion among the committee members. John DeFrank, US Army CHPPM, commented that the formula is valid if the A (area) term is the 'effective' area. No further conclusions were reached.

There being no further items on the agenda, the meeting was adjourned.

Submitted by

Dave Baron  
Secretary, SC2