



INTERNATIONAL
COMMITTEE *on*
ELECTROMAGNETIC
SAFETY

Draft Unapproved Minutes

IEEE/ICES TC95 Subcommittee 2
Terminology, Units of Measurements, and Hazard Communications
1300 – 1700 h
Tuesday, 10 January 2017
Motorola Solutions, Inc.,
8000 West Sunrise Blvd, Plantation, Florida 33322, USA

- Call to Order by R. Tell at 13:05. Minutes recorded by D. Haes.
- Welcome and introductions. An attendance signup sheet was circulated. **ATTACHMENT 1.**
- The *DRAFT* Agenda was circulated for approval by R. Tell; Motion to approve by C. Kihlstrom and seconded by M. M. Ziskin; unanimous **vote to APPROVE. SEE ATTACHMENT 2.**
- The unapproved SC2 minutes recorded by R. Cleveland from the Ghent, Belgium (BioEM 2016) meeting were circulated by R. Tell to the group. Only four members in attendance were present for the SC2 meeting during BioEM 2016. Motion to approve by M. Ziskin and seconded by C.K. Chou (both present at BioEM 2016); unanimous **vote to APPROVE. SEE ATTACHMENT 3.**
- R. Tell brought up a discussion of the submittal of new PAR for C95.2. R. Petersen suggested that the SC submit C95.2 as is to TC95 for approval; essentially a vote for “reaffirmation”. Motion to submit by J. Bushberg and seconded by R. Bodeman; unanimous **vote to APPROVE.**

ACTION ITEM: SC to submit clean copy of C95.2 to TC95 for approval.

- R. Tell discussed that C95.2 is not available for free download from the IEEE **Get C95** program. J. Klauenberg reported that this has already been noticed and all C95 Standards and Recommended Practices will be added to the IEEE **Get C95** program. SC2 to follow-up.
- R. Tell brought up that there are currently no proposals for “low frequency” signs; should this be dropped from further consideration of being added to C95.2? In addition, what about recommendations for new, revised RF signs for C95.2 or C95.7? P. Reilly mentioned that worker signs may not be necessary as they have already been instructed in the hazards of exposures to LF fields. R. Tell asked if there were volunteers to set up a working group to review the current LF standards to investigate which signs, if any, are recommended for LF fields. A signup sheet was circulated with R. Johnson volunteering to chair the working group. **SEE ATTACHMENT 4.**



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- R. Tell has reviewed the documents produced by the *RF Minimal Awareness Guide* (R. Curtis chair, **SEE ATTACHMENTS 5a & 5b**) and the *RF Barriers* (R. Johnson chair, **SEE ATTACHMENT 6**) papers as possibility for an appendix for C95.7. C. Davis brought discussed the important distinction between “barrier” and “barricade”. The documents will receive a final review and be circulated to the SC for final release to TC95.

ACTION ITEM: SC to submit clean copies of *RF Minimal Awareness Guide* and the *RF Barriers* to TC95 for vote. R. Tell to assign a **TIMELINE** for completion.

- R. Tell pointed out that there is a chart in C95.7 that may be the starting point for a *Short form RF Safety Program*. SC to consider preparing a “tri-fold” type handout which may be considered a *Short form RF Safety Program*.
- A discussion ensued with M. Ziskin accepting a **NEW BUSINESS** item in SC/4 to address what is the minimal awareness for allowable exposures above the lower tier.
- R. Tell discussed the needs for an RF Safety Workshop put on by TC95/SC2. Discussions followed about timing (in-time for budgets for any sponsoring groups), how to “get the word out”, and whether it will be sponsored” by regulatory agencies such as FCC. R. Johnson and M. Wessell have experience with such a workshop in at M. Wessell’s hangar in Chandler, AZ, **SEE ATTACHMENT 7**). Discussion followed that the purpose would be to provide training to those who are required to determine regulatory compliance with RF exposure limits, and will need to be more “hands on” vs “classroom”. However, the classroom (1/2 to 1 day) phase could be offered online for those unable to attend in person. At least two full days would be required. N. Montgomery offered a motion to hold the workshop in conjunction with the ICES winter meetings 2018, seconded by K. Fisher. The motion passed unanimously.
- R. Tell mentioned that past efforts to involve non-US participation in SC2 activities have not been as effective as hoped; is this even necessary? R. Bodeman mentioned the EU countries are aligned to ICNIRP standards and therefore may not be as interested in ICES.
- Time and Place of Next Meeting – TBD by ADCOM.
- No OLD or NEW business discussions.
- Motion to Adjourn was offered by M. Ziskin, seconded by F. Colville at 15:05.