



ICES

International Committee on Electromagnetic Safety

APPROVED MINUTES

IEEE/ICES TC95 Subcommittee 2
Terminology, Units of Measurements, and Hazard Communications
1300 – 1700 h
Tuesday, 6 August 2019
Flamingo Hotel, 2777 4th Street
Santa Rosa, CA 955405

1. Call to Order
The meeting was called to order at 13:07 by R. Tell. D. Haes recorded the minutes.
2. Welcome and Introduction; (See **Appendix A** for sign-in sheets).
3. The *DRAFT REVISED AGENDA* circulated via e-mail by R. Tell to the members before the meeting was reviewed and approved (C. Kihstrom/ M. Butcher) (See **Appendix B**).
4. The Minutes from the January 13, 2019 meeting in Plantation, FL previously distributed via e-mail were reviewed and approved without changes (M. Wessel/ J. Hatfield) (**APPROVED MINUTES are posted on the ICES/SC2 website**).
5. R. Tell asked for a “call for patents” regarding the work performed by the SC in developing standards. Any patent which may affect the use or conformance with the standard must be declared. There was none. **From henceforth, a statement for call for patents will be added to the agenda.** (See **Appendix B**)
6. Meeting topics:
 - **Presentation:** *Department of National Defence/Canadian Armed Forces (DND/CAF) Radio Frequency Safety Program (RFSP)*. J. Paquin X. Zhao presented the DND/CAF implementation of RF safety programs, in particular using “Safety Code 6” -vs- ANSI/IEEE C95.1. (See **Appendix C**).

- **Presentation:** *C95.7: Recommended Practice for RF Safety Programs: A Brief History*. D. Haes presented A Brief History of C95.7 Recommended Practice. The presentation showed how the document has matured, in particular, changing from Five (5) “RF Exposure condition” categories to Three (3), and then finally to Four (4) “RFSP categories”. **(See Appendix D)**. The SC was encouraged to “keep an open mind” for the next presentation.

- **Presentation:** D. Maxson presented (in response to an Action Item) on terminology of “normally accessible” vs “readily accessible”, specifically in regard to Category 2 exposure environments, including: definition of general public, definition of restricted environments, defining accessible/readily accessible, required training, and example program scenarios. **(See Appendix E)**.
 - The SC was again encouraged to contemplate the information.
 - Some new concepts were introduced such as proposed introduction and definitions of the new terms: Hazard Assessment; Qualified individual (as defined in other disciplines); Site; Exposure Zone; Minimally Restricted Environment; Physically Restricted; (RF safety) Practitioner; and to avoid “awareness training” which allows for the separation of “awareness education” from “behavioral training”.
 - Of particular note was the introduction of the term “Safety Level” equivalent to the upper tier exposure limit and that the Category 2 environment becomes a Minimally Restricted Environment if:
 - o No exposure greater than Category 2 possible
 - o Indicative barrier
 - o Provide sufficient information for all persons to be aware
 - o Individuals need no training, controls, or procedures

7. New business

- A. Faraone presented slides **(See Appendix F)** and led a discussion of usefulness of developing guidance on RF safety programs for use of RF emitting devices.
- R. Tell suggested a separate document to address devices. M. Butcher mentioned this would be a good opportunity as the SC is reviewing and preparing the next revision of C95.7. B. Curtis suggested it may be better in an appendix.
- **** ACTION ITEM **: A. Faraone and D. Maxson to exchange ideas on how to incorporate concepts into the NEXT revision of C95.7. Also consider a discussion of education and training.**

8. Time and Place of Next Meeting

- The next meeting will be held January 21-23, 2020 in Plantation, FL.

9. Adjourn

The meeting was adjourned at 1700.