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International Committee on Electromagnetic Safety

Approved Minutes

**IEEE/ICES TC95 Subcommittee 2
Terminology, Units of Measurements, and Hazard Communications
1300 – 1700 h
Thursday, 2 June 2016
Culture and Convention Center Het Pand
Ghent, Belgium**

1. Call to Order R Cleveland
2. Welcome and Introduction All
See Sign in sheet attachment
3. Approval of Agenda R Cleveland
Agenda approved without modification
4. Approval of the Minutes from Plantation, FL meeting R Cleveland
 - Reviewed minutes.
 - o Examined “RF Minimal Awareness Guide”
 - o Some confusion over whether “RF Safety Information Sheet” was in response to R. Tell action item
 - o Action item “circulation idea for LF signs” not accomplished
 - o Noted possible availability of outside funding (BTS) for workshop, particularly for SC2. Noted may need to identify what is needed for RF safety training. One purpose for workshop would be to attempt correction of misinformation being presented by various entities. Discussed concept of certification or accreditation for presenters but might open situation for potential litigation, still the case in any endorsement of presenters or presentations. Suggestion to develop FAQ approach to identify information that may need to be corrected without specific accusation of entity doing misinformation. Suggest focus on application for US, with potential for expansion internationally. Noted that “compliance is taken seriously across the world” but “verification” may not be enforced broadly.
Action – need more clarification on how to achieve workshop (single or series) and how to engage international participation.
Action – Ric to contact Eric Wandell to pursue actual development and conduct of workshop.



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Need correct e-mail address for Myron Maslanyj.

- No information on action for new PAR for C95.2. Noted that C95.2 may not be available for free from GET program. It was moved & seconded and approved to pursue IEEE membership ballot for “reaffirmation” or “renewal” of C95.2.

- Motion to approve minutes made & seconded and approved.

5. Discussion on

-Example DRAFT RF Safety Information Sheet

Group

- Reviewed “Draft RF Safety Information for XYZ Corporation Employees”
- Noted subtitle may need to change because exposure levels should not exceed controlled limits.
- Comments suggest that words are precise but questioned whether document is simply legal cover document rather than actual training to improve risk awareness. Noted potential need to address context of situations where RF safety would be applied, i.e. rooftop applications, etc. Noted that focus on one particular risk may simply emphasize that one element and may “blind” user to other risks. Suggested that summary message of document was simply “observe RF signs and you will be safe”.
- Reviewed example of notice FCC 13-39, containing language referencing knowledge and ability to control risks. Decision states that written and/or verbal information must be provided to individuals potentially exposed to RF. This confirms legalistic issues that need to be addressed.

Action – consider requesting FCC consider sponsoring of workshop.

Action – need to address whether trying to provide guidance on FCC compliance or use of IEEE documents for RF safety.

Action – consider whether part of overall safety program or independently applied.

Suggested that consideration be given to more specific guidance on actions to be taken. Noted existence of situations where compliance may be pursued but not achieved due to ineffective implementation.

-Open discussion on RF safety programs in Europe

Group

- Noted limited representation of EU countries in the meeting.
- Suggested Phil Chadwick would be good source of information (CENELEC activities). Need ask for specific clarification.
- Note that lack of implementation typically does not invoke immediate action, rather some delay if even pursued. Some countries have had programs in place to apply directive but not all have established relevant laws/regulations. Noted each country has freedom to determine applicable agency for implementation. Coordination is not



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specifically assigned to any particular part of EU Commission, only there needs to be report from each country.

- Noted that directive only has minimum safety levels identified in relation to health issues so any country can impose more severe limits.
- Noted responsibility for RF safety program is not in EU Commission rather in individual member countries.

6. New Business

- No new business

7. Time and Place of Next Meeting

R Cleveland

- To be in Plantation, FL during 10-12 January 2017 at the Motorola facilities.

8. Adjourn

R Cleveland



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Sign-In Sheet Attachment

TC95 SC2 (Terminology, Units of Measurements and Hazard Communication):

2 June 2016 – 1300-1700 h

	Last Name	First Name	Affiliation	E-mail Address	Country	IEEE?
1.	Bodemann	Ralf	Siemens	ralf.bodemann@siemens.com	DE	YES
2.	Brooker	Ian	Tyco International	ibrooker@tycoint.com	IE	YES
3.	Chou	C-K	Independent Consultant	ck.chou@ieee.org	US	YES
4.	Cifra	Michal	The Czech Academy of Sciences	cifra@ufe.cz	CZ	???
5.	Cleveland	Robert	EMF Consulting	rforcleveland@gmail.com	US	YES
6.	Faraone	Antonio	Motorola Solutions, Inc.	antonio.faraone@motorolasolutions.com	US	YES
7.	Gettman	Ken	NEMA	ken_gettman@nema.org	US	YES
8.	Graf	Kevin	Exponent	kgraf@exponent.com	US	YES
9.	Ziskin	Marvin	Temple University	ziskin@temple.edu	US	YES
10.	Zollman	Peter	Peter Zollman Consultancy	pzollman@theiet.org	UK	NO
11.						
12.						
13.						
14.						
15.						