

# SDECom Minutes November 4<sup>th</sup> 2013

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IEEE EMC Society Standards Development and Education Committee  
Draft (SDECom) Agenda  
November 4<sup>th</sup>, 2013 8:00 AM-1:15 0 PM local time  
Universita La Sapienza  
Rome Italy

Chair: Alistair Duffy [apd@dmu.ac.uk](mailto:apd@dmu.ac.uk) (produced minutes)  
Vice Chair: Vacant  
Secretary: Ed Hare [w1rfi@arrl.org](mailto:w1rfi@arrl.org)

## 1. Attendees

Present: Ghery Pettit      John Norgard      Andy Marvin      Alistair Duffy      Ed Hare  
Fred Heather      Chuck Bunting      Bob Scully      Liugi Koga      Davy Pissoort  
Don Heirman      Henry Benitez (Item 7 on)

Apologies:      Werner Shaefer      Dave Staggs      Dick Ford      Colin Brench  
Qiubo Ye      Dan Hoolihan      Don Sweeney      Joan Woolery      Kimball Williams  
Craig Fanning

A moment of silence was held to commemorate the late Kermit Phipps

It was noted that Ed Hare is standing down as Secretary at the end of the year after ~11 years in office. His substantial contribution to SDECom and its forerunner SDCCom was noted and received a vote of thanks by the committee.

## 2. Approval of Agenda

APPROVED Motion: Don Heirman. Second: Ghery Pettit. Unanimous vote.

It was noted that not all members received the email with the agenda.

### ACTIONS

2.1. Update stds-emc email list serve. *A. Duffy*

2.2. Update web to include future agenda and minutes. *A. Duffy*

It was noted that if there is a need to justify actions taken in the past that at least the last 5 years of minutes should be placed on the web site.

### GENERAL ITEMS TO NOTE

## 3. Show IEEE Patent slides

The committee was duly reminded of their obligations to raise issues. It was noted that this is a management committee and technical issues likely to cause concern were not discussed in this forum.

### ADMINISTRATIVE ITEMS FOR ACTION

## 4. Minutes of Previous Meeting

No minutes had been prepared and this item was deferred to a later meeting.

## 5. Actions of the Previous Meeting

See item #4

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## 6. Election of Officers

Don Heirman (VP Standards) discussed the current status of the election of officers. It was noted that the election process was being put in place in order to ensure a complement of officers from the next meeting in February 2014

**ACTION**

- 6.1. Undertake email vote for Chair, Vice Chair and Secretary, including solicitation for nominations. *D. Heirman*

## STANDARDS DEVELOPMENT ACTIVITY FOR DISCUSSION

## 7. To discuss progress of current working group and study group projectes

The Committee received updates on current live standards projects. The following points were noted

- **P299.1** Method for measuring the shielding effectiveness of enclosures and boxes having all dimensions between 0.1m and 2m. Chair: Maria Sabrina Sarto. This standard has been approved. Sabrina was present for this discussion and received the thanks of the committee for her good work.
- **P1309** Standard for calibration of electromagnetic field sensors and probes, excluding antennas, from 9kHz to 40 GHz. Chair: Zhong Chen. This standard has been approved
- **P1642** Recommended practice for protecting public accessible computer systems from intentional EMI. Chair: Bill Radasky. This standard is to undergo first balloting.
- **P1688** Standard for the control of electromagnetic interference characteristics of replaceable electronic modules. Chair: Fred Heather. This standard is to undergo first balloting.
- **Std 1302-2008 - expires 31-Dec-2018**  
IEEE Guide for the Electromagnetic Characterization of Conductive Gaskets in the Frequency Range of DC to 18 [40] GHz Chair: Davy Pissort. A new PAR is to be submitted.

**ACTION**

- 7.1 Submit new PAR with revised frequency range. *D. Pissort, A.Duffy*

- **Std 1597.1-2008 - expires 31-Dec-2018**  
IEEE Standard for Validation of Computational Electromagnetics Computer Modeling and Simulations. Chair: Andy Drozd. It was noted that this is to be brought forward.

**ACTION**

- 7.2. Informal study group to be formed to look at the issues and recommend a course of action to SDECom. *A Drozd*

- **Study group on planar shielding effectiveness measurement** Chair: Andy Marvin
- **Study group on the measurement of shielding of small structures** Chair: Johan Catrysse

It was noted that these study questions were discussed in Brugges during EMC Europe and the study groups are undertaking a review of the relevant technology and will recommend to SDECom whether or not a PAR (or PARs) should be submitted during March at the latest (noting that a Study Group has a six month duration).

**ACTION**

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7.3. Close study groups with a recommendation as to whether submission of a PAR (or PARs) are appropriate. *A Marvin, J. Catrysse (communicated through D. Pissoort)*

- **Std 187-2003 - expires 31-Dec-2018**

IEEE Standard Measurement Methods of Emissions from FM and Television Broadcast Receivers in the Frequency Range of 9kHz to 40GHz. It was noted that a call for interest being published in the EMC Society Magazine. It was further noted that Dave Traver had expressed interest in drafting the PAR to update the standard

**ACTION**

7.4. Discuss future actions with D. Traver. *A. Duffy*

- **Std 377-1980 - expires 31-Dec-2018**

IEEE Recommended Practice for Measurement of Spurious Emission from Land-Mobile Communication Transmitters. Call for interest being published in the EMC Society Magazine. It was noted that Larry Cohen had expressed interest in drafting a new PAR

**ACTION**

7.5. Discuss future actions with L. Cohen. *A. Duffy*

- **Std 1128-1998 - expires 31-Dec-2018**

IEEE Recommended Practice for Radio-Frequency (RF) Absorber Evaluation in the Range of 30 MHz to 5 GHz. A call for interest being published in the EMC Society Magazine. It was suggested that Zhong Chen might be interested in forming a study/working group to look at updating this standard especially in extending its application to 18 GHz

**ACTION**

7.6. Discuss future actions with Z. Chen. *A. Duffy*

- **Std 1140-1994 - expires 31-Dec 2018**

IEEE Standard Procedures for the Measurement of Electric and Magnetic Fields from Video Display Terminals (VDTs) from 5 Hz to 400 kHz Call for interest being published in the EMC Society Magazine. It was suggested that this standard might be redeveloped into a standard addressing techniques for low frequency human exposure measurement.

**ACTION**

7.7. Options for investigating potential future development for this standard will be presented to the next meeting of SDECom. *A. Duffy*

- Proposal for reporting of power line faults. It was noted that communications difficulties had ultimately resulted in a delay to the submission of the PAR for review.

**ACTION**

7.8. Investigate with the interested party whether this PAR will return to the work packages of SDECom. *A. Duffy*

### 8. To review the status of Standards maintained or watched by SDECom

The Committee is noted the current status of standards and projects not already discussed in the meeting.

The following points were made in discussion:

- a. Technical Committees (TCs) could be more involved in the development and management of standards. This is in line with the EMCS Bylaws, Clause 10.3 d.
- b. Such TC involvement could form part of the metrics used to evaluate the TC performance
- c. It was proposed that TCs probably have engagement in standards as part of their charter
- d. The TC Scopes were reviewed and the following suggestions made:

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- i. TC10 (Signal Integrity) may need SDECom to engage specifically to discuss possible standards.
- ii. TC11 (Nano and advanced materials) could be responsible for being the major contributor to a Study or Working Group on new shielding technology.
- iii. Involvement of the TCs in current standards could involve the following
  - TC1: 1597.1, 1597.2
  - TC2: 187, 299, 299.1, 377, 473, 1128, 1140, 1302, 1309, 1642, 1688
  - TC3: 139, 377, 473
  - TC4: 1302, 1309, 1560, 1642
  - TC5: 475, 1128, 1560, 1642
  - TC6: 377
  - TC7: 475, 1140, 1309, 1836/1837
  - TC8:
  - TC9: 1597.1, 1597.2
  - TC10: 1688
  - TC11: 1128, 1302
  - SC5: 1140, 1560

## **ACTION**

8.1 Discuss this at TAC level and report back on the level of support and recommended next steps at the next SDECom meeting. *C. Bunting*

8.2 Re-evaluate Angel assignments based on the above (and action 8.1), including publishing Angel terms of reference and Angel assignments on the Society's Standards web pages. *A. Duffy*

## **9. Reports from SDECom representation on other bodies**

**9.1.** No report was received from the C63 Representative.

**9.2.** It was noted that SDECom can field up to four members in C63 in addition to the primary representative. This would allow SDECom members to attend all C63 meetings without paying an attendance fee. It was further noted that an Alternate Representative can be nominated (alternative to A. Drozd as the main representative) but this would need Standards Association Approval. It was agreed to discuss this further at the next meeting

## **ACTION**

9.1. Discuss the options with the Primary Representative (A. Drozd) and report a course of action to SDECom with a motion, should that be appropriate. *A. Duffy*

**9.3.** A possible Working Group to provide an IEEE EMC Society Mirror Committee for C63 activities was discussed.

- a. It was noted that this may have helped with early resolution to issues raised in recent votes on hybrid antennas. It was agreed to defer this to a later meeting, noting that, to do this, would require a motion, second, discussion and vote.
- b. It was also noted that such committees could be set up *ad hoc* on a standard-by-standard basis

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## *STANDARDS DEVELOPMENT ACTIVITY FOR DISCUSSION*

### 10. Working with ESAC—Mark Steffka

**10.1** a. It was noted that suggestions made at the joint ESAC/SDECom meeting in Denver included contribution to the ESAC experiments manual, developing training courses, contributing to the Distinguished Lecturer program.

- b. Test house involvement was discussed. It was agreed that this would provide an excellent contribution to standards education but may be difficult to coordinate.
- c. It was noted that SDECom and standards WG members could be good sources for talks related to standards at Chapter meetings or for DL nominations.

#### **ACTIONS**

10.1. Contact SDECom members about whether they would be available to give standards (requiring no substantial support) related talks (including tentative titles, regions, etc.) to start populating a register. *A. Duffy*

10.2. Pass the output from 10.1. to the chapters coordinator. *A. Duffy*

- d. It was noted that SACCom is also identifying non EMCS standards meetings where SDECom members could attend to talk about our EMCS standards. Andy Marvin is compiling a schedule for 2014.

**10.2.** It was agreed that a joint committee between ESAC and SDECom could be beneficial.

#### **ACTION**

**10.3.** Discuss with ESAC. *A. Duffy*

### 11. Symposium related activities for 2014

**11.2.** It was agreed to submit a proposal for a Workshop on new standards to the IEEE International Symposium.

#### **ACTION**

11.1. Prepare and submit proposal. *A. Duffy*

**11.3.** To discuss, and agree if appropriate, an activity proposal for:

11.3.1. EMC Europe in 2014. It was agreed to consider this should a new shielding work item be put forward.

11.3.2. APEMC in 2014. It was noted that contribution to this may be too late for consideration.

11.3.3. The 2014 Review of Progress in Applied Computational Electromagnetics (ACES 2014). It was suggested that preparatory work for the updated 1597.1 standard could be relevant.

#### **ACTION**

11.2. Discuss with the Chair of 1597.1 and submit a proposal if appropriate. *A. Duffy*

- Global Symposium on EMC, Safety and Product Compliance Engineering, GlobeSPACE'2014 --March 3 to March 6, 2014 in Tel Aviv, Israel.

#### **ACTION**

11.3. Review timings for possible tutorial and submit proposal if appropriate. *D. Heirman*

**11.4.** To discuss, and agree if appropriate, the requested presence in the exhibition for the 2014 International Symposium on EMC in Raleigh, NC. Options for a presence at this and other Symposia and Conferences were discussed. It was noted that there is often insufficient

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member availability to permanently support a staffed booth and a collapsible table top display (similar to the membership one) might be helpful.

### ACTIONS

- 11.4. VP Standards to include ~\$750 in budget for such a display. *D. Heirman*
- 11.5. Discuss production of such a display with VP member services. *A. Duffy*

### VICE PRESIDENT (STANDARDS) ITEMS

#### 12. Society Strategic Objectives and long range planning

This item was postponed to a later meeting

#### 13. Certificate of Recognition

A formal proposal will be made for the next SDECom meeting

### ACTION

- 13.2. Submit formal proposal. *D. Heirman*

#### 14. Web site upkeep

This item was postponed to a later meeting

#### 15. Use of travel grant.

It was agreed to investigate whether there is scope within the Foundations rules to lift the restrictions on attendance at Working Group meetings coincident with the Symposium

### ACTION

- 15.2. Report at next meeting possible changes to the rules for awarding a travel grant. *J. Norgard*

### CLOSING ITEMS

#### 16. Any other business

A suggestion was made that a minor revisions working group be set up to manage the review of standards close to their expiry period where there was no major redevelopment work required. It was agreed that such working group(s) may have merit and that the Angel along with the WG Chair or other representation should propose the scope for study/working groups on a standard-by-standard basis.

#### 17. Review of action items

Review to be left to minutes

#### 18. Adjournment of meeting

The next meeting of SDECom will be 18<sup>th</sup> February 2014 at the Hyatt Regency Century Plaza, Los Angeles