

# SDECom Minutes November 16, 2014

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IEEE EMC Society Standards Development and Education Committee  
Draft (SDECom) Minutes  
November 16, 2014 8:00 AM – 1:00 PM EST  
New Brunswick, NJ USA

Chair: Alistair Duffy      [apd@dmu.ac.uk](mailto:apd@dmu.ac.uk)  
Vice Chair: Craig Fanning      [cfanning@elitetest.com](mailto:cfanning@elitetest.com)  
Secretary: Ghery Pettit      [ghery.pettit@intel.com](mailto:ghery.pettit@intel.com)

## 1. Attendees

### SDECom members

Alistair Duffy	Ghery Pettit	Don Sweeney	Davy Pissoort	Bob Scully
Ed Hare	Don Heirman	Henry Benitez	Liuji Koga	Colin Brench
John Norgard	Dan Hoolihan	Kimball Williams		

### Guests

Chuck Bunting    Vignesh Rajamani      Bruce Archambeault

## 2. Approval of Agenda

The meeting was called to order at 8:12 am and the proposed agenda was approved with no changes.

### *GENERAL ITEMS TO NOTE*

## 3. Show IEEE Patent slides

To ensure that all attendees of the meeting are aware of obligations and expectations under IEEE rules these slides were shown to all attendees.

### *ADMINISTRATIVE ITEMS FOR ACTION*

## 4. Minutes of the Previous Meeting

The minutes of the August meetings were approved.

## 5. Actions from the previous meeting

The following action items were noted in the minutes of the February meeting, updated in the August meeting and their current status is shown:

“7.3 Close study groups with a recommendation as to whether submission of a PAR is appropriate.  
Action: A Marvin, J Catrysse. The study group is still working. This action remains open.” Following

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meetings in August, it was decided that priority would be given to pcb-based shields but this work item would be developed some time in the next ~year to allow P1302 to develop further (as many of the interested parties would be involved in both). Item closed.

“7.7 Options for investigating potential future development for Std 1140-1994 will be presented to the next meeting of SDECom. Action: A Duffy. Ongoing” This was discussed in outline with Zhong Chen from ETS Lindgren. Further discussions are required. ACTION: A Duffy to discuss this further with Zhong Chen with the aim of bringing a proposal to the March SDECom meeting.

“7.8 Investigate with the interested party whether the PAR for reporting of power line faults will return to the work packages of SDECom. Action: A Duffy. Ongoing”. A work proposal will be brought to SDECom led by Mike Gruber / Ed Hare from ARRL. Item closed.

“8.1 Discuss item 8 of the November Minutes at the TAC level and report back on the level of support and recommended next steps at the next SDECom meeting. Action: C. Bunting. D Heirman will contact chairs of TCs to find out what they are doing to update/maintain/develop standards under their purview. D. Heirman to report to SDECom prior to the August meetings.”. It was reported that discussions have been undertaken with a number of TCs, with particularly encouraging dialogue with TC10. It was noted that Standards are included in the mission for all TCs. Further discussion within SDECom led to the agreement that all members of SDECom would be expected to represent the interests of one or more TCs on SDECom and SDEComs interests on the TCs. It was also agreed that VP Standards would put together a presentation to take around the TCs. ACTIONS (1) All SDECom members, to identify to the Secretary which TCs they are a member of (and/or which they will join) (2) Secretary to identify unrepresented TCs and VP Standards, or other representative, contact those TCs to seek interested individuals. (3) VP Standards to put together a presentation to be used to explain SDECom to the TCs.

“8.2 Re-evaluate Angel assignments, including publishing Angel terms of reference and Angel assignments on the Society’s Standards web pages. Action: A Duffy. Deferred to later in the meeting.” Item deferred to a later meeting

“9.1 Discuss options on C63 representation with the Primary Representative (A. Drozd) and report a course of action to SDECom with a motion, if appropriate. Action: A Duffy. Deferred to later in the meeting.” It was noted that J. Norgard has been appointed as the SDECom primary representative with Henry Benitez being proposed as the alternate representative. ACTION: VP Standards to ensure necessary paperwork has been completed.

“10.1 Contact SDECom members about whether they would be available to give standards related talks to start populating a register. Action: A Duffy. Ongoing” This item has been deferred to a later meeting.

“10.2 Pass the output from 10.1 to the chapter coordinator. Action: A Duffy. Ongoing” This item has been deferred to a later meeting.

“11.5 Discuss production of such a display with the VP of Member Services. Action: A Duffy. Ongoing.” This item has been deferred to a later meeting.

“13.2 Submit a formal proposal for a Certificate of Recognition. Action: D. Heirman. Ongoing”. This item is ongoing.

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### 6. Upcoming conferences

The symposia in Santa Clara and Dresdent will have full meetings of SDECom and working groupmeetings. It is yet to be decided what working groups will meet in either or both venues.

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Action: – A Duffy to collect input from the working group chairs about meetings in both Santa Clara and Dresden.

It was noted that SDECom has sponsored a workshop on developments and needs in validation, associated with the upcoming revision of IEEE Std 1597.1.

## 7. SDECom: future and strategy

A long discussion was held about the future activities in SDECom. It was agreed that a major component of this would be to build on the liaison between SDECom and TAC and the individual TCs.

A number of actions underlined those raised in the prior discussion of TC involvement. These were: All SDECom members are to provide a list of Technical Committees to which they belong, Don Heirman is to put together a presentation to the Technical Committees on how SDECom is a resource for standards work

## 8. SACCom relationship

A discussion was held on what SDECom would like from SACCom. The one significant idea that came out of the discussion was the idea of an article in each issue of the EMC Society Magazine on what work is progressing in the area of standards. ACTION: VP Standards to agree implementation of this with SACCom leadership

## 9. Reports from SDECom representation on other bodies

- 9.1 John Norgard reported on the meeting of ASC C63 held the week of November 10 in Mesa, Arizona. ASC C63 is looking at a long term secretariat. This is currently the IEEE and the IEEE owns all IP created in the work of ASC C63. There are concerns about the cost and availability of standards created by ASC C63 if the secretariat changes.

ACTION – John Norgard is to provide a proposal by the end of January for a formal process for determining SDECom positions on votes within ASC C63 on standards and distribution of information needed in determining these positions.

ACTION – Craig Fanning is to secure space on the SDECom web site to post ASC C63 information.

- 9.2 SDECom / ESAC activities. The key item in these discussions was that ESAC is developing a website for education activities.

ACTION – Louanne Devine is to provide a sample website to SDECom by December 12, 2014

## 10. Task groups

- Web presence. No report, Craig Fanning was absent
- Policies and procedures.

AR – Ed Hare is to send the current P&P document to all SDECom members by 11/24/2014  
AR – Ed Hare, Alistair Duffy, Don Heirman and Ghery Pettit are to review the P&P document against new IEEE requirements and report back at the next SDECom meeting

- SDECom membership

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AR – Ed Hare to put the effective date of each member’s membership in SDECom on the list  
AR – Alistair Duffy to update SDECom mailing list administrator status to re-include Ed Hare  
AR – All members of SDECom are to send a copy of their current resume to Ed Hare

- Education and training – no report
- Future strategy – no report

## 11. Standards status

- Std 1302-2008 IEEE Guide for the Electromagnetic Characterization of Conductive Gaskets in the Frequency Range of DC to 18 GHz. D. Pissort had submitted a report and email, appended to these minutes.

Davy Pissort reported that the next meeting of the group working on an update to this standard will be held in Dresden in August.

- Std 139-1988 IEEE Recommended Practice for the Measurement of Radio Frequency Emission from Industrial, Scientific, and Medical (ISM) Equipment Installed on User's Premises

This standard is good until 2022, no work is required at this time.

- Std 377-1980 IEEE Recommended Practice for Measurement of Spurious Emission from Land-Mobile Communication Transmitters.

AR – Alistair to contact Larry Cohen for a status report

- Std 473-1985 IEEE Recommended Practice for an Electromagnetic Site Survey (10 kHz to 10 GHz)

AR – Fred Heather to send Ghery Pettit the name of the correct chair for work on this standard.

- Std 1128-1998 IEEE Recommended Practice for Radio-Frequency (RF) Absorber Evaluation in the Range of 30 MHz to 5 GHz

Zhong Chen (ETS-Lindgren) will take over the work on this standard

- Std 1140-1994 IEEE Standard Procedures for the Measurement of Electric and Magnetic Fields From Video Display Term

No input was received from TC7.

AR – Alistair to follow up with TC7 for status on this standard

- Std 1597.1-2008 IEEE Standard for Validation of Computational Electromagnetics Computer Modeling and Simulations

A new PAR is needed for updating this standard.

AR – Alistair is to chair the working group for updating this standard.

- Std 1642

This standards is going to the IEEE SA for final approval in December. Bill Radasky is the chair of the working group.

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- Std 1688

Fred Heather provided input that the working group met in August and went through the final comments. They made changes based on the comments, submitted and made final changes. Both the marked up and clean versions were sent to REVCOM. Fred will go to IEEE HQ in person to understand their concerns.

## 12. Technical committees

- 12.1 Don Heirman reported that he is working with TC10 to start a PAR on a standard for signal integrity / power integrity.

- 12.1 SDECom member participation in TC work

The following members of SDECom reported that they are working with the listed TCs:

Don Heirman	TC2, SC1
Bruce Archambeault	TC9, TC10
Colin Brench	TC9
Vignesh Rajamani	TC9
Chuck Bunting	TC9, Vice Chairman of TAC
Dan Hoolihan	TC1
Fred Heather	TC3, TC5
Alistair Duffy	TC9

The following members of SDECom reported that they were not directly involved with any TCs:

Don Sweeney  
Henry Benitez  
John Norgard  
Ghery Pettit

## 13. Potential new work items

- 13.1 Shielding measurement of shielded bags/pouches

After discussion it was agreed that SDECom needs a study group to look at this proposal. The work should potentially be performed in TC2

AR – Alistair to contact TC2 about starting work on this proposal.

- 13.2 Functional safety

SDECom needs to understand the scope of work. We need an agreement with IET for joint work and we need to understand if this is “risk management” vs. “safety” work.

AR – Alistair to continue discussions with IET on this work.

14. No IEEE-SA matters were brought before SDECom at this meeting.

15. No new business was discussed.

16. Action items assigned during the meeting are listed in these minutes. See any items marked “AR”.

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**17.** The next meetings of SDECom will be held in conjunction with the IEEE Symposium on EMC in Santa Clara, California. The meetings will be held the morning of Monday, March 16 and the afternoon of Thursday, March 19.

**18.** The meeting was adjourned at 1:14 pm