

Approved Minutes
 IEEE-EMCS Standards Development Committee
 March 19, 2009 1:00 PM – 5:00 PM
 Phoenix, AZ

Attendance:

	Present
Committee Members	* = Attended by telecon
1. Andy Drozd, Chair	Y
2. Colin Brench, Vice Chair	Y
3. Ed Hare, Secretary	Y*
4. Stephen Berger	N
5. Dick Ford	Y
6. Fred Heather	Y
7. Donald Heirman	Y
8. Daniel Hoolihan	N
9. Ghery Pettit	Y*
10. Werner Schaefer	N
11. Ralph Showers	N
12. Kwok Soohoo	N
13. David Staggs	Y
14. Donald Sweeney	Y
15. Kimball Williams	Y
16. Perry F. Wilson	N
Other Attendees	
1. Kermit Phipps	Y
2. Takeo Yoshino	Y
3. John Norgard	Y
4. Quibo Ye	Y
5. Elya Joffe	Y

1. The meeting was called to order by Mr. Brench at 1:00 PM. Mr. Heirman was asked to lead the meeting. For the remainder of the meeting, Mr. Heirman functioned as Chair.
2. On a motion by Mr. Hare, seconded by Mr. Williams, the draft agenda for the meeting was approved.
3. The IEEE patent and meeting conduct slides were shown, with a brief explanation by Mr. Heirman. There were no questions and no participants disclosed patents.
4. On a motion by Mr. Hare, the minutes of the August 2008 meeting were approved, with the provision that the Secretary update the status information for each standard.
5. On a motion by Mr. Hare, the Secretary was directed to conduct an email vote to approve the minutes of the November, 2008 meeting.

6. The Secretary reported that the IEEE L-50S form is due on 3/31/2009 and that it will be completed on time.
7. Mr. Heirman reported on the portion of the Vice President for Standards budget that is used to fund SDCom activities. He indicated that \$5000 annually is used to fund SDCom's presence at the IEEE Symposium and \$2000-3000 annually is used for approved travel related to SDCom activities.
8. There was a discussion of the EMC Society participation with C63 and a discussion about how to best select the primary and alternate representatives.
9. The Secretary read a list of SDCom members and described their attendance records over the past three years. While most of the members had attended at least 50% of the meetings, two members' attendance was 10% of the meetings or less.
10. On a motion by Mr. Williams, seconded by Mr. Ford, it was voted to remove Werner Schaefer and Perry Williams as members. The Secretary was asked to send a letter to Messrs. Schaefer and Williams, informing them of their membership being dropped. The Secretary was asked to obtain affirmation by the other members that they are able and willing to continue their SDCom participation.
11. The prospect of having new members join SDCom was discussed. The Secretary was asked to send Mr. Phipps information about what steps he needs to take to be considered for SDCom membership.
12. The Secretary provided or asked for status reports on SDCom-sponsored standards.
13. Std. 139¹: Measurement of RF from ISM equipment
Standard expires: 2011
PAR: None
WG Chair: No Working Group
Status: Mr. Heirman reported that IEC indicated that CISPR standards cover the subject of Std. 139 in detail, so IEC expressed no interest in adopting Std. 139 under dual-log status.
Next steps: Begin evaluation for 5-year review 8/2009. Review standard and make recommendation about whether to allow to expire, reaffirm or revise. Identify individual or Working Group to do this if needed.
14. Std. 187²: Measurement of spurious emissions from TV receivers
Standard expires: 2013
PAR: None
WG Chair: No working group
Status: Mr. Heirman reported that he had discussed this Standard with CISPR Subcommittee I. They indicated that CISPR 13 covers the topic in detail. There is no interest in making this a dual-logo standard.
Next steps: Standard is current. No immediate action needed. Begin evaluation for 5-year review 8/2011.

¹ IEEE 139 – IEEE Recommended Practice for the Measurement of Radio Frequency Emissions from Industrial, Scientific and Medical (ISM) Equipment Installed on User's Premises.

² IEEE 187 - IEEE Standard on Radio Receivers: Open Field Method of Measurement of Spurious Radiation from FM and Television Broadcast Receivers

- 15. Std. 299³:** Measuring effectiveness of shielded enclosures
Standard expires: 2011
PAR: None
WG Chair: Prof. Sabrina Sarto
Status: No current activity. No report received.
Next steps: Begin evaluation for 5-year review 8/2009. Identify individual or Working Group to do this if needed.
- 16. P299.1⁴:** Measuring shielded enclosure, dimensions between 0.1m and 2m
Standard expires: New project.
PAR: Expires December 2010
WG Chair: Prof. Sabrina Sarto.
Status: A verbal report received from Mr. Phipps, indicating progress toward completion of the draft.
Next steps: A copy of the draft will be presented to SDCOM in May.
- 17. Std. 377⁵:** Measurement of spurious emissions from land-mobile transmitters
Standard expires: 2013
PAR: None
WG Chair: Steve Berger
Status: No current activity. No report received.
Next steps: Begin evaluation for 5-year review 8/2011
- 18. Std. 473⁶:** EMC Site survey
Standard expires: Administratively withdrawn 3 February 2006
PAR: Must be resubmitted
WG Chair: Elya Joffe
Status: All comments received by WG members incorporated into draft. Draft promised by March meeting, but no report received.
Next steps: Secretary to submit new PAR - overdue. The Working Group is to complete draft and submit to SDCOM.
- 19. Std. 475⁷:** Measurement of field-disturbance sensors
Standard expires: 2011
PAR: None
WG Chair: No working group
Status: A report was given by the Secretary. SDCOM again discussed the interest in extending the frequency range below 300 MHz.
Next steps: Secretary to report at the May meeting whether there is useful information in Std. 475 that should be retained in some form.

³ IEEE 299 – IEEE Standard Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures

⁴ P299.1 - Standard method for Measuring the Shielding Effectiveness of Enclosures and Boxes Having Dimensions Between 0.1 m and 2 m.

⁵ IEEE 377 – IEEE Recommended Practice for Measurement of Spurious Emission from Land-Mobile Communication Transmitters

⁶ IEEE 473 - IEEE Practice for an Electromagnetic Site Survey (10kHz to 10 GHz)

⁷ IEEE 475 - Measurement Procedure for Field-Disturbance Sensors, 300 MHz to 40 GHz

- 20. Std. 1128⁸: RF absorber evaluation**
Standard expires: 2011
PAR: None
WG Chair: No working group
Status: A status report was given by the Secretary. There is no active WG for this standard. The standard expires in 2011. At the Fall 2007 SDCOM meeting, several SDCOM members observed that the frequency range of 5 GHz is rather archaic and this matter was further discussed at this meeting.
Next steps: Identify a working group Chair.
- 21. Mr. Ford expressed some interest in possibly taking on the role of Std. 1128 Working Group Chair. Mr. Drozd agreed to initiate a letter asking him to do so, with the expectation that the letter would help get the support of the Navy for that work. Mr. Ford indicated that he would provide Mr. Drozd with suggested text for the letter. All SDCOM members were asked to look for candidates to participate in the Working Group.**
- 22. Std. 1140⁹: Measurement of EMC field from video-display terminals**
Standard expires: 2011
PAR: None
WG Chair: No Working Group.
Status: No current activity. No report received.
Next steps: Begin evaluation for 5-year review August 2009. Review standard and make recommendation about whether to allow to expire, reaffirm or revise. Identify individual or Working Group to do this if needed. It is hoped that the wider audience available at the August meeting may foster some additional interest or help.
- 23. P1302¹⁰: Characterization of conductive gaskets**
Standard expires: 2013
PAR: None
WG Chair: Dr. Johan Catrysse
Status: No current activity. No report received.
Next steps: Begin evaluation for 5-year review August 2011.
- 24. Std. 1309¹¹: Calibration of field sensors**
Standard expires: 2010
PAR: Expires 12/31/2010
WG Chair: Zhong Chen
Status: See Std. 1309 amendment below.
Next steps: See Std. 1309 amendment information below.

⁸ IEEE Recommended Practice for RF Absorber Evaluation in the Range of 30MHz to 5GHz

⁹ IEEE 1140 - Test Procedures for the Measurement of Electric and Magnetic Fields from Video Display Terminals (VDTs) from 5 Hz to 400 kHz

¹⁰ IEEE 1302 - Guide for the Electromagnetic Characterization of Conductive Gaskets in the Frequency Range of DC to 18GHz

¹¹ IEEE Standard for Calibration of Electromagnetic Field Sensors and Probes, Excluding Antennas, from 9 kHz to 40 GHz

- 25.** Std. 1309 amendment¹²: Calibration of field sensors – amendment.
Standard expires: 2010
PAR: Expires 12/31/2010
WG Chair: Zhong Chen
Status: No written report received. The SDCOM Secretary has been monitoring the occurrence of regular teleconference calls. Mr. Heirman stressed the importance of this standard due to the existence of a Category D liaison with IEC. He reports that Mr. Chen is also liaison with TC-77B.
Next steps: Report needed from WG Chair. Secretary to identify to IEEE that Mr. Chen is the Working Group Chair.
- 26.** Std. 1560¹³: Measurement of RF power-line interference filters
Standard expires: 2010
PAR: None
WG Chair: Kermit Phipps
Status: A status report was given by the Secretary. The standard expires in 2010. It is expected that the standard can be reaffirmed in its present form at that time.
Next steps: Secretary to initiate reaffirmation in the first quarter of 2010.
- 27.** P1597.1¹⁴: Validation of computer modeling simulation
Standard expires: Project
PAR: Expires 12/31/2009
WG Chair: Andy Drozd.
Status: The standard had a successful ballot and was submitted to RevCom in 2007.
Next steps: Awaiting IEEE to publish. No SDCOM action needed.
- 28.** P1597.2¹⁵: Computer modeling simulation applications
Standard expires: Project
PAR: Expires 12/31/2009
WG Chair: Andy Drozd
Status: An oral report was given by the WG Chair, Mr. Andy Drozd. The IEEE Mandatory Editorial Coordination is complete, with a dozen comments received back. Mr. Drozd will work draft had not been uploaded for Mandatory Editorial Coordination with the IEEE as needed. An error was discovered in the balloting group. It was unbalanced, with too few categories made available when the group was formed. The IEEE staff, in consultation with Mr. Drozd, disbanded the balloting group. A new one will be formed.
Next steps: Complete revisions as needed for MEC and submit for ballot.

¹² Amendment 1 to IEEE Standard Method for the Calibration of Electromagnetic Field Sensors and Field Probes, Excluding Antennas, from 9 kHz to 40GHz: Probe characteristics, use and measurement uncertainty: Probe Use

¹³ IEEE 1560 - Standard for Methods of Measurement of Radio-Frequency Power-Line Interference Filter in the Range of 100 Hz to 10 GHz

¹⁴ IEEE P1597.1 - IEEE Standard for Validation of Computational Electromagnetics (CEM) Computer Modeling and Simulation

¹⁵ IEEE P1597.2 - IEEE Recommended Practice for Computational Electromagnetics (CEM) Computer Modeling and Simulation Applications

- 29.** P1642¹⁶: Protecting publicly accessible computers from intentional EMI
Standard expires: Project
PAR: Extended to 12/31/2010
WG Chair: Bill Radasky
Status: No report received.
Next steps: Complete draft and provide to SDCom. Mr. Drozd is to contact Mr. Radasky and ask for a report.
- 30.** P1688¹⁷: Module EMI testing
Standard expires: Project
PAR: Expires 12/31/2010
WG Chair: Fred Heather
Status: A report was given by Mr. Heather. He reported that the last teleconference was held one month prior to this meeting. He reported that the main body of the document is 100% complete and that the informative rationale for the test methodology chosen is 85% complete. The Working Group expects to have this ready for the August 2009 meeting.
Next steps: Complete draft and provide to SDCom
- 31.** P1775¹⁸: BPL EMC – emissions testing and immunity testing and limits
Standard expires: New project
PAR: Expires 12/31/2009
WG Chair: Aron Viner
Status: This standard is sponsored by PES, with EMCS and ComSoc as cosponsors. The WG is chaired by Mr. Aron Viner. An oral report on the state of this standard was given by Mr. Hare. He reported that the Sponsors' Panel of 12 had approved the standard as being ready for ballot, although the IEEE would not permit the panel to discuss the standard amongst themselves prior to voting on its being ready. He reported that the standard was in ballot. A question was raised about whether those with an EMC interest had received an invitation to ballot on the standard. Mr. Hare was asked to contact Bill Ash at IEEE HQ to get a report on how the invitation was issued.
Next steps: Mr. Hare is to report on the results of his contact with Mr. Ash and report the results of the IEEE ballot.
- 32.** On 1/13/2009, serving as Teller, Mr. Brench initiated an email vote on the nomination by Mr. Viner (P1775 Working Group Chair) of Roland Gubish and Ed Hare as co-Vice Chairs of P1775. Mr. Hoolihan moved that Messrs. Gubish and Hare be approved as Vice Chairs of the P1775 Working Group. On 2/11/2009, Mr. Drozd concluded the vote. Mr. Brench reported that the motion passed, with 10 votes cast, all in favor of the motion. Mr. Hare abstained, requesting that his abstention be recorded. Mr. Drozd agreed to convey the results of the vote to the P1775 Working Group Chair and Secretary.
- 33.** The upcoming Symposium meeting was discussed. Mr. Heirman noted that SDCom needed to ensure that Working Group meetings were prominently highlighted at the Symposium. Mr. Staggs offered suggestions on how to best publicize meetings.

¹⁶ IEEE 1642 - Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI

¹⁷ IEEE P1688 - Standard for Module Electromagnetic Interference (EMI) Testing

¹⁸ IEEE standard on measurement methods for BPL emissions and limits and test methods for BPL immunity

34. The status of the SDCOM web page was discussed. There are still many areas that are not current and in need of update or revision. Mr. Norgard agreed to prepare a list of needed changes to the web page and provide that list to Mr. Pettit, to be forwarded to the SDCOM webmaster. Mr. Norgard also agreed to provide Mr. Pettit with an updated standards-matrix page.
35. Mr. Heirman reported that the last SDCOM audit was in 1999. Mr. Sweeney reported that he had provided a report on the audit procedures at the November meeting and that he could discuss this further at the May meeting if needed.
36. Mr. Heirman gave a report on long-range planning.
37. Mr. Ye gave a report on the activities of SETCOM.
38. Mr. Ford gave a report on his attendance of a WiMax/radar EMC event, attended by about 300 people. He noted that they did not express any plans to work with IEEE on compatibility issues.
39. The meeting was adjourned at 5:00 PM.

40. Upcoming meeting schedule

Secretary

Note: Future meeting dates are subject to future change, so they should be used for general information only. These dates should not be used to finalize travel. Other than at the Symposium, if it meets in conjunction with the Board meeting, SDCOM will meet the day before the meetings of the EMC-S Board of Directors. At the Symposium, SDCOM traditionally meets on Monday and Wednesday mornings.

2009 proposed meetings of SDCOM, ExCom and the EMC-S BoD

Location: Philadelphia or Pittsburgh, PA

Proposed Dates: May, 22-23, 2009

Fri, May 22: ExCom, Chapter evening meeting

Sat, May 23: BoD meeting

Location: Austin, TX (with EMC 2009 Symposium)

Sat, August 15: ExCom

Monday, August 17: SDCOM

Wednesday, August 19: SDCOM

Sun, August 16: BoD meeting

Thu, August 20 BoD dinner meeting

Location: New Brunswick, NJ

Proposed Dates: November, 18-20, 2009

Wed, November 18: SDCOM, ExCom Meeting, Chapter Meeting

Thu, November 19: BoD meeting, BoD Annual Dinner

Fri, November 20 Long Range Planning Session