

Approved Minutes
 IEEE-EMCS Standards Development Committee
 August 18, 2008 8:00 AM
 August 20, 2008 7:00 AM
 Cobo Center
 Detroit, MI

Attendance:

| | Present | Present |
|-----------------------------|-----------|-----------|
| Committee Members | 8/18/2008 | 8/20/2008 |
| 1. Stephen Berger, Chair | N | N |
| 2. Colin Brench, Vice Chair | Y | Y |
| 3. Ed Hare, Secretary | Y | Y |
| 4. Andrew Drozd | Y | Y |
| 5. Dick Ford | N | N |
| 6. Fred Heather | Y | N |
| 7. Donald Heirman | Y | N |
| 8. Daniel Hoolihan | N | Y |
| 9. Ghery Pettit | N | N |
| 10. Werner Schaefer | N | N |
| 11. Ralph Showers | Y | Y |
| 12. Kwok Soohoo | N | N |
| 13. David Staggs | N | N |
| 14. Donald Sweeney | Y | Y |
| 15. Kimball Williams | N | N |
| 16. Perry F. Wilson | N | N |
| | | |
| Other Attendees | | |
| 1. Quibo Ye | Y | N |
| 2. Noel Sargent | Y | N |
| 3. Kermit Phipps | Y | N |
| 4. Johan Catrysse | N | Y |
| 5. Bill Radasky | N | Y |
| 6. Elya Joffe | N | Y |
| | | |

1. The meeting was called to order by Vice Mr. Chairman Colin Brench at 8:15 AM. Chairman Mr. Steve Berger was unable to attend the meeting.
2. On a motion by Mr. Hare, the draft agenda for the meeting was approved, with the stipulation that the order of business could be changed as needed to meet the needs of those that could not attend both days' meetings.
3. The IEEE patent and meeting conduct slides were shown, with a brief explanation by the Secretary. There were no questions and no participants disclosed patents.
4. On a motion by Mr. Heirman, the minutes from the May 2008 meeting in Salt Lake City were approved.

5. On a motion by Mr. Heirman, the minutes from the July 2008 SDCOM teleconference were approved.
6. Mr. Heirman gave a report on the election of SDCOM officers. Of the 15 voting members on SDCOM, 11 voted. Mr. Heirman announced that Mr. Andy Drozd had won the election for Chairman, polling more votes than Mr. Steve Berger. Mr. Heirman also announced that Mr. Colin Brench had been elected as Vice Chair and Mr. Ed Hare had been elected as Secretary, having run unopposed. <Applause>. Mr. Heirman expressed his appreciation to Mr. Berger for years of service to the committee and EMC Society and expressed his expectation that Mr. Berger would continue to serve SDCOM as a member of the committee. The terms of office will begin at the end of the August meeting and will run for two years.
7. A brief discussion of the SDCOM Policies and Procedures (P&Ps) ensued. The Secretary was asked to add the subject of the P&Ps to the agenda for the November meeting.
8. Mr. Heirman gave a presentation on the EMC Society's long-range planning work. A Power Point file was provided to the Secretary and it is included as an informative Annex to the minutes. SDCOM offered input on the standardization of emerging technologies.
9. The Secretary provided or asked for status reports on SDCOM-sponsored standards.
10. Std. 139¹: Measurement of RF from ISM equipment
Standard expires: 2011
PAR: None
WG Chair: No Working Group
Status: SDCOM will begin reevaluation for 5-year review August, 2009.
11. Std. 187-2003²: Measurement of spurious emissions from TV receivers
Standard expires: 2013
PAR: None
WG Chair: No working group
Status: Std.187 has been reaffirmed at ballot. In August 2008, it was submitted to the IEEE RevCom.
Next steps: SDCOM will monitor its progress through the IEEE as it is reaffirmed for another 5 years. (Note: It was approved as reaffirmed.)
12. 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, August 2009

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

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

- 13. P299.1⁴:** Measuring shielded enclosure, dimensions between 0.1m and 2m
Standard expires: N/A - project
PAR: Expires December 2010
PAR URL: <http://standards.ieee.org/board/nes/projects/299-1.pdf>
WG Chair: Prof. Sabrina Sarto.
Status: No written report received from WG Chair.
Next steps: Report needed from WG Chair
- 14. 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 August 2011
- 15. Std. 473⁶:** EMC Site survey
Standard expires: Administratively withdrawn 3 February 2006
PAR: Must be resubmitted
WG Chair: Elya Joffe
Status: Mr. Elya Joffe has reassumed the chair of the Std. 473-revision Working Group. Mr. Joffe reported that the revisions to the Standard are still 80% complete. He indicated that a draft would be ready to share with SDCOM by the August meeting, expected to be 99% complete. The PAR has expired for this project and the Secretary was directed to prepare and submit a new PAR for the project.
Next steps: Secretary to submit new PAR - overdue. Mr. Joffe to complete draft and submit to SDCOM.
- 16. 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. There is no active WG for this standard. The standard expires in 2011. SDCOM again discussed the interest in extending the frequency range below 300 MHz. It was suggested that the FCC Certification database may provide some leads as to stakeholders that may be interested in undertaking new work on Std. 475. The Secretary was also asked to identify trade associations that may be interested in the project. Because of the possibility of significant new work, SDCOM will begin reevaluation for 5-year review for Std. 475 in August, 2008.
Next steps: Identify working group Chair.
- 17. Std. 1128⁸:** RF absorber evaluation
Standard expires: 2011

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

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

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 meeting, several SDCom members observed that the frequency range of 5 GHz is rather archaic and this matter was further discussed at this meeting. Mr. Sweeney indicated that the revision is worth doing, but that stakeholders need to be identified. The general suggestion that the standards in need of revision should be advertised at the Symposium meeting was proposed by several participants. Because of the possibility of significant new work, SDCom will begin reevaluation for 5-year review for Std. 1128 in August, 2008.

Next steps: Identify a working group Chair.

18. Std. 1140⁹: Measurement of EMC field from video-display terminals

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. SDCom will begin reevaluation for 5-year review in August, 2009. The general consensus of SDCom was that the standard may need to be retired in 2011, but no formal motion was made. Action items to Mr. Berger to report on the possible medical applications and to Mr. Hare to report on the possible use of the information in some other standard were made.

Next steps: Begin evaluation for 5-year review August 2009

19. P1302¹⁰: Characterization of conductive gaskets

Standard expires: 2013

PAR: None

WG Chair: Dr. Johan Catrysse

Status: The Secretary reported that this standard has passed ballot and is ready for Revcom submission.

Next steps: Begin evaluation for 5-year review August 2011.

20. Std. 1309¹¹: Calibration of field sensors

Standard expires: 2010

PAR: Expires 12/31/2010

PAR URL: <https://development.standards.ieee.org/P278800033/par>

WG Chair: Zhong Chen

Status: See Std. 1309 amendment below.

Next steps: Secretary to submit request to extend PAR. (Note: Done November 2008)

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

- 21.** Std. 1309 amendment¹²: Calibration of field sensors – amendment.
Standard expires: 2010
PAR: Expires 12/31/2010
PAR URL: <https://development.standards.ieee.org/P278800033/par>
WG Chair: Zhong Chen
Status: The working group met at the symposium and reported good progress reorganizing the draft.
Next steps: Report needed from WG Chair.
- 22.** 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.
- 23.** P1597.1¹⁴: Validation of computer modeling simulation
Standard expires: N/A - project
PAR: Expires 12/31/2009
PAR URL: Not available on IEEE web site.
WG Chair: Andy Drozd.
Status: An oral report was given by the WG Chair, Mr. Andy Drozd. The standard has been through IEEE Mandatory Editorial Coordination, and identified copyright issues were resolved. The PAR and the Scope in the standard did not agree, but IEEE indicated that the text and a revised PAR can be submitted simultaneously and the ballot can be conducted. Mr. Drozd read the new Scope verbally and on a motion by Mr. Hare, SDCom voted to approve the changes and directed the WG Chair to submit a revised PAR.
Next steps: Submit revised PAR and submit for ballot.
- 24.** P1597.2¹⁵: Computer modeling simulation applications
Standard expires: New project
PAR: Expires 12/31/2009
PAR URL: <https://development.standards.ieee.org/P643700033/par>
WG Chair: Andy Drozd
Status: An oral report was given by the WG Chair, Mr. Andy Drozd. The balloting pool has been formed. The files were submitted for ballot by the Secretary in March 2008, but there were problems with the files necessitating changes to the document. Mr. Drozd

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

indicated that a revised document would be available to SDCOM by the August meeting. Next steps: Submit draft for MEC and submit for ballot.

- 25.** P1642¹⁶: Protecting publicly accessible computers from intentional EMI
Standard expires: New project
PAR: Extended to 12/31/2010
PAR URL: <https://development.standards.ieee.org/P319900033/par>
WG Chair: Bill Radasky
Status: The working group met at the Symposium and a report was given by Mr. Radasky.
Next steps: Complete draft and provide to SDCOM.
- 26.** P1688¹⁷: Module EMI testing
Standard expires: New project
PAR: Expires 12/31/2010
PAR URL: <https://development.standards.ieee.org/P325100033/par>
WG Chair: Fred Heather
Status: A report was given by Mr. Heather. Draft is 90% stable, but no forward progress was made since the last meeting due to time constraints.
Next steps: Complete draft and provide to SDCOM
- 27.** P1775¹⁸: BPL EMC – emissions testing and immunity testing and limits
Standard expires: New project
PAR: Expires 12/31/2009
PAR URL: <https://development.standards.ieee.org/P326700033/par>
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. The standard is still back in the WG for additional revision subsequent to a failed vote the representatives from each of the sponsoring societies. One of the P1775 participants, Jerry Ramie, had introduced an informative Annex that addresses EMC criteria. P1775 will consider including this material at a September 4 teleconference. Mr. Hare reported that at its July 29 teleconference, SDCOM had voted to advise its representatives on the sponsors' panel that will vote on whether the standard is ready for ballot that the standard must contain normative EMC criteria.
Next steps: Wait for the draft from the working group and advise the EMC-S representatives on the sponsors' panel.
- 28.** At the July teleconference, the Secretary was directed to contact the four EMC Society representative on the sponsors' panel to determine if they were willing and able to continue to serve in that role. The Secretary reported that Mr. Werner Shaefer, one of the EMC-Society representatives on the sponsors' panel, had responded that he was unable to continue due to time limitations and asked to be replaced. On a motion by Mr. Heirman, Ed Hare, Kwok Soohoo, Bill Stumpf and Ghery Pettit were appointed to serve as the ECM-S representatives on the sponsors' panel.

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

- 29.** Mr. Heirman reported that the EMC-S Executive Committee and the Board of Directors had discussed the relationship between EMC-S and P1775. They were concerned about the various ways in which the Society was being excluded from the development of P1775 and, in some cases, maligned by the leadership of the Working Group. He reported that the Society had tried for several years to improve the relationship. He provided as examples the fact that the WG had refused all request for the WG to hold some of its meetings at EMC events and that the Chair of the WG does not regularly communicate with or consult the Society-appointed Vice Chair on WG matters. He reported that the Board had unanimously approved a motion to have EMC-S President Elya Joffe contact the Power and Energy Society President Wanda Reder and to have Mr. Drozd contact the Standards Association Standards Board chairman Bob Grow to express the concerns of the Society and to ask that they quickly act to improve the situation and to stop and decrease the maligning statements towards the EMC Society standards committees by the P1775 leadership.
- 30.** P1900 series¹⁹: Dynamic access to spectrum
 Status: The 1900 series of standards are being transitioned to SCC-41. This process will be complete when ODCOM approved the SCC-41 Policies and Procedures. SDCOM expressed general interest in following the development of the P1900 series of standards, so the Secretary was asked to continue to include the SCC-41 and the P1900 series of standards on the SDCOM agenda.
- 31.** Qiubo Ye gave a report on SETCOM activities. Mr. Hare was tasked with preparing an article for the EMC Society Newsletter on EMC standards Working Groups and activities.
- 32.** The meeting was adjourned at 11:00 AM until August 20, 2008 at 7 AM.
- 33.** The meeting resumed on August 20, 2008, called to order at 7:15 AM by Colin Brench.
- 34.** The IEEE patent slides were shown.
- 35.** Mr. Radasky gave a verbal report on P1642, described in the list of standards above.
- 36.** Mr. Joffe gave a report on the status of Std. 473, described in the list of standards above.
- 37.** Mr. Sweeney gave a presentation on the status of the audit.
- 38.** Mr. Sweeney gave a presentation of the status of the Operations Manual.
- 39. 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.

2008 scheduled meetings of SDCOM, ExCom and the EMC-S BoD

¹⁹ Dynamic allocation and access to spectrum standards.

Location: Long Beach, CA

Proposed Dates: November, 19-21, 2008

Wed, November 19: SDCom, ExCom Meeting, Chapter Meeting

Thu, November 20: BoD meeting, BoD Annual Dinner

Fri, November 21: Long Range Planning Session

2009 Scheduled meetings

Location: Tucson, Phoenix AZ or Mexico City (if response received)

Proposed Dates: March 19-21, 2009

Thu, March 19: SDCom, ExCom, Chapter evening meeting

Fri, March 20: BoD meeting

Sat, March 21(morning): Long Range Planning Brainstorming Exercise

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