

Approved Minutes
 IEEE-EMCS Standards Development Committee (SDCom)
http://grouper.ieee.org/groups/emc/emc/ieee_emcs_sdcom_mainpage.htm

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Meeting date: 12 November 2009

Meeting time: 10:00 AM-2:00 PM CST

Chairman: Andy Drozd, androl@aol.com

Vice Chairman: Colin Brench, colin.brench@ieee.org

Secretary: Ed Hare, w1rfi@arri.org

Attendance:

	Present
Committee Members	* = Attended by telecom
1. Andy Drozd, Chair	Y
2. Colin Brench, Vice Chair	Y
3. Ed Hare, Secretary	Y
4. Stephen Berger	N
5. Dick Ford	N
6. Fred Heather	Y
7. Donald Heirman	Y
8. Daniel Hoolihan	N
9. Ghery Pettit	Y
10. Kermit Phipps	Y
11. Ralph Showers	N
12. Kwok Soohoo	Y*
13. David Staggs	Y
14. Donald Sweeney	N
15. Kimball Williams	Y
Other Attendees	
1. Henry Benitez	Y
2. Paul Stover	Y
3. Doug Parker	Y
4. John Norgard	Y
5. Mike Oliver	Y
6. Woodrow Williams	Y
7. Takeo Yoshino	Y
8. Elya Joffe	Y

1. The meeting was called to order on 17 August 2009 by Mr. Drozd at 10:15 AM. Those in attendance introduced themselves.
2. Mr. Drozd made an announcement that there would be a shuttle available for those that wanted to attend the local EMC Society (EMC-S) Chapter meeting that the SDCom members had been invited to attend.
3. The Secretary presented the IEEE patent slides. No participants identified any patent issues.

4. On a motion by Mr. Hare, seconded by Mr. Williams, the draft agenda for the meeting was approved.
5. On a motion by Mr. Hare, seconded by Mr. Heirman, the draft minutes from the August 17 and August 19, 2009 meetings were approved.
6. Mr. Drozd outlined the scope and purposed of the SDCom for the benefit of the guests present. He described the work of the EMC-S Standards Advisory and Coordination Committee ([SACCom](#)); the EMC-S Standards Education and Training Committee ([SETCom](#)) and the Society's voting participation in the ANSI accredited [C63](#)® EMC committee as examples of the scope and import of SDCom's work. Mr. Norgard expressed appreciation for the work done by SDCom. Mr. Drozd gave an overview of the standards that are under development and reminded all that this work is open to any who want to participate.
7. The Secretary provided or asked for status reports on SDCom-sponsored standards.
8. ACTION ITEM: The Secretary was directed to obtain affirmation from all of the Working Group (WG) Chairs that they are able to continue to work on their standards through 2010.
9. ACTION ITEM: The Secretary was directed to obtain a status report from all WG Chairs.
10. Std. 139¹: Measurement of RF from ISM equipment
Standard expires: 2011
WG Chair: No working group
PAR: None
Status: Current standard. No current activity. No report received.
ACTION ITEM: At the August 2009 meeting, the Secretary was directed to initiate a reaffirmation ballot in the 1st quarter of 2011.
11. Std. 187²: Measurement of spurious emissions from TV receivers
Standard expires: 2013
WG Chair: No working group
PAR: None
Status: Current standard. No current activity.
Next action: Begin evaluation for 5-year review August 2011.
12. Std. 299³: Measuring effectiveness of shielded enclosures
Standard expires: 2011
WG Chair: None
PAR: None
Status: Current standard. No current activity. No report received.
ACTION ITEM: The Secretary was directed to initiate reaffirmation ballot in the first quarter of 2011.
13. P299.1⁴: Measuring shielded enclosure, dimensions between 0.1m and 2m
Standard expires: New project
WG Chair: Sabrina Sarto, email: mariasabrina.sarto@uniroma1.it
[PAR](#): Expires December 2010
Status: May 2009: A brief verbal report was received from Kermit Phipps.

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

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

14. [Std. 377](#)⁵: Measurement of spurious emissions from land-mobile transmitters
Communication Transmitters
Standard expires: 2013|
WG Chair: Steve Berger
PAR: None
Status: Current standard. No current activity.
Next action: Begin evaluation for 5 year review August 2011.
15. [Std. 473](#)⁶: EMC Site survey
Standard expires: Administratively withdrawn 3 February 2006
WG Chair: Elya Joffe
PAR: Must be re-submitted
Status: TC-3 has expressed interest in undertaking revisions of the Standard. Mr. Heirman reported that no one had been appointed to Chair the project.
ACTION ITEM: The Secretary was directed to contact Dave Southworth to ensure that he is informed that a PAR will need to be prepared.
16. [Std. 475](#)⁷: Measurement of field-disturbance sensors
Standard expires: 2011
WG Chair: No working group
PAR: None
Status: There had been previously expressed interest and need to extend range below 300 MHz. No entity or individual has indicated any interest in undertaking revisions of this standard.
ACTION ITEM: The Secretary was directed to initiate a reaffirmation ballot on Std. 475 in the 4th quarter of 2009.
17. [Std. 1128](#)⁸: RF absorber evaluation
Standard expires: 2011
WG Chair: No working group
PAR: None
Status: There had been previously expressed interest and need to extend the frequency range beyond 5 GHz. No entity or individual has indicated any interest in undertaking revisions of this standard.
ACTION ITEM: The Secretary was directed to provide information to Mr. Heirman on all standards that need to be considered for revision.
ACTION ITEM: Mr. Heirman agreed to publish information about standards needing revision in a future edition of the EMC-S newsletter.
ACTION ITEM: The Secretary was directed to initiate a reaffirmation ballot in the first quarter of 2010.
18. [Std. 1140](#)⁹: Measurement of EMC field from video-display terminals
Standard expires: 2004
WG Chair: No working group
PAR: None
Status: Current standard. General consensus of SDCom is that the Standard can be allowed to be administratively withdrawn in 2009, but saving any useful information in it.
Next steps: Secretary to report on possible use of the standard's content in other standards and technical areas.
ACTION ITEM: Messrs. Sweeney and Hare agreed to review the standard and report to SDCom on what information could be retained in some form.

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

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

ACTION ITEM: The Secretary was asked to contact Dheena Moongilan about his recommendation on what information should be preserved and ask his recommendation on the applicability of this standard to LED and other modern displays.

19. [P1302](#)¹⁰: Characterization of conductive gaskets
Standard expires: 2013
WG Chair: John Catrysse
PAR: None
Status: Current standard. No current activity.
Next action: Begin evaluation for 5 year review August 2011.
20. [Std. 1309](#)¹¹: Calibration of field sensors
Standard expires: 2010
WG Chair: None
PAR: None. See 1309a
Status: See 1309a
Next action: See 1309a information below.
21. [Std. 1309 amendment](#)¹²: Calibration of field sensors – amendment.
Standard expires: 2010
WG Chair: Zhong Chen
[PAR](#): Expires 12/31/2010
Status: No written report received. The SDCOM Secretary has been monitoring the occurrence of regular teleconference calls. EMC-S has formal relationship with IEC and TC-77 related to this standard. Mr. Heirman reported that TC-77 has moved forward on its own development. The consensus of the discussion is that this PAR is due to expire at the end of 2010 and that the progress on the standard is mostly unknown.
ACTION ITEM: The Secretary is to report to the IEEE on the change of WG Chair.
22. [Std. 1560](#)¹³: Measurement of RF power-line interference filters
Standard expires: 2010
WG Chair: Kermit Phipps
PAR: None
Status: No current activity.
Next action: Secretary to initiate reaffirmation in 1Q 2010
23. [P1597.1](#)¹⁴: Validation of computer modeling simulation
Standard expires: 2014
WG Chair: Andy Drozd, email: androl@aol.com, tel: 315-334-1163
PAR: None
Status: Published by IEEE May 18, 2009.
Next action: Begin evaluation for 5-year review August 2012.

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

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

- 24.** P1597.2¹⁵ : Computer modeling simulation applications
Standard expires: Project
WG Chair: Andy Drozd, email: androl@aol.com, tel: 315-334-1163
[PAR](#): Expires 2009
Status: Mr. Drozd reported a successful ballot was completed on 8 November 2009. Although the ballot was 100% affirmative, several comments were received. The WG is in the process of revising those comments. Mr. Drozd indicated that he would apply to the IEEE to extend the PAR.
ACTION ITEM: Mr. Drozd to apply to extend the P1597.2 PAR.
- 25.** P1642¹⁶: Protecting publicly accessible computers from intentional EMI
Standard expires: Project
WG Chair: Bill Radasky, email: wradasky@aol.com, tel: 805-683-5681
[PAR](#): Expires 12/31/2010
Status: A verbal report was given by Mr. Radasky. He reports that the Working Group has 15 active members and that over the past three months considerable new material had been introduced for consideration for the standards. He expects that the final draft will be available by the August 2010 SDCom meeting at the Symposium.
Next steps: Complete draft and provide to SDCom.
- 26.** P1688¹⁷: Module EMI testing
Standard expires: Project
WG Chair: Fred Heather, email: heather@tqci.net
[PAR](#): Expires 2010
Status: A verbal report was given by Mr. Heather. He reported that WG meetings have been held every 2 weeks since the 2009 Symposium. He reported that the work should be done “shortly.” The draft still needs to be put into IEEE format. He reported that this will be done by 31 Jan 2010.
- 27.** P1775¹⁸: BPL EMC – emissions testing and immunity testing and limits
Note: Power and Energy Society is sponsor, EMC Society and Communications Society are co-sponsors.
Standard expires: Project
WG Chair: Aron Viner, email: aron.viner@verizon.net, tel: 508-881-5458
[PAR](#): Expires 12/31/2009
Status: This standard is sponsored by PES, with EMCS and ComSoc as cosponsors. Standard passed at sponsor ballot. The WG is resolving and rebutting comments.
Next steps: Await the resolution of comments by the WG.
ACTION ITEM: Mr. Hare was asked to provide a report to SDCom on the technical issues related to the resolution of comments.
- 28.** P2030: Smart Grid standards
Note: This standard is sponsored by [Standards Coordinating Committee 21](#), Fuel Cells, Photovoltaics, Dispersed Generation and Energy Storage.
Chair: Richard DeBlasio
Note: See following minutes.
- 29.** Mr. Drozd outlined the reasons that EMC must be a major part of Smart Grid technology standards. He reported the very optimistic schedule of the P2030 WG. He reported on the attendance at a P2030 meeting October 27-29, 2009 on behalf of EMC-S by Messrs. Drozd, Norgard, Heirman, Hare and Brian Cramer (IESI Solutions) and Jerry Ramie (ARC Technical Resources), held at the IBM facilities near White Plains, NY. The group was there to present a report, prepared by Mr. Ramie, on the need for EMC criteria and information in the developing P2030 smart-grid standards.

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

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

30. Mr. Hare noted that an email ballot to approve a position paper written by Mr. Ramie on the need for EMC in smart-grid standards was not successful because a quorum of responses. After a brief discussion on the need for committee members to vote on email motions, Mr. Hare made a motion, seconded by Mr. Pettit, the report was approved. A discussion followed about the need to continue this work and the ways that the Society can fund it.
31. The committee discussed and reviewed the web pages. All SDCCom members were asked to review the web pages and look for problems.
32. Mr. Heather provided a report on the revisions to the SDCCom Policies and Procedures (P&P) document, to replace an earlier version that had expired. He presented the draft he had written, based on the IEEE model P&P document. After a brief discussion, Mr. Hare, seconded by Mr. Pettit, moved that SDCCom approve the draft P&P document as provided by Mr. Heather. The motion carried.
ACTION ITEM: The Secretary was directed to provide the new P&P document to the IEEE.
33. Mr. Drozd gave a brief verbal report on continued interaction with the Canadian Standards Association on joint projects.
34. Mr. Heirman gave a brief report on ANSI asc C63® activities. He reported that Mr. Berger is the EMC Society Representative on C63®, and Mr. Sweeney is the alternate. He indicated that the Society should consider locating a successor to these individuals in the event they are no longer able to serve.
35. Mr. Norgard provided a brief report on SACCom, indicating that new leadership was expected to increase the activity of the committee.
36. A teleconference was planned for January 19, 2010, or January 26 as an alternate date.
37. Upcoming meeting schedule

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, SDCCom will generally meet the day before the meetings of the EMC-S Board of Directors. At the Symposium, SDCCom traditionally meets on Monday and Wednesday mornings.

2010 proposed meetings of SDCCom, ExCom and the EMC-S BoD

Location: San Diego, CA
Proposed Date: March 11, 2010, 10AM-2PM

Location: EMC Symposium 2010, Ft. Lauderdale, FL
Proposed Dates: July 26, 2010; July 28, 2010

Email Votes between meetings:

38. On December 11, 2009, Mr. Pettit made a motion that a draft of proposed resolution of comments received during the P1775 ballot be approved as formal comments from a non-balloting entity in the P1775 ballot. The motion was seconded by Mr. Hare.
39. On December 29, 2009, Mr. Drozd called for an email discussion and vote, with the discussion to commence immediately, ending 2359 Eastern Time on December 31, 2009, with the voting to be completed by 2359 Eastern Time on January 7, 2010.
40. There were a total of nine affirmative votes cast, one abstention and no negative votes. Four members did not cast a vote by the cutoff period for the voting. A quorum of responses was received, so the motion passed. A copy of the proposed resolutions will be posted on the SDCCom web page and will be considered to be a part of these minutes.

Voting record:

Andy Drozd, Chair	*
Colin Brench, Vice Chair	Y
Ed Hare, Secretary	Y
Stephen Berger	Did not vote
Dick Ford	Abstain
Fred Heather	Did not vote
Donald Heirman	Y
Daniel Hoolihan	Y
Ghery Pettit	Y
Kermit Phipps	Y
Ralph Showers	Did not vote
Kwok Soohoo	Did not vote
David Staggs	Y
Donald Sweeney	Y
Kimball Williams	Y
* The vote of the Chair would be counted only if it changed the outcome of the vote, per Robert's Rules.	