

Approved Minutes  
 IEEE-EMCS Standards Development Committee  
 Thursday, November 9, 2006  
 Houston, TX

1. Meeting called to order by Vice Chair Colin Brench at 9:00 AM. .

Attendance:

<b>Committee Members</b>		Present	Email
Stephen Berger	Chair	X	<a href="mailto:stephen.berger@cox-internet.com">stephen.berger@cox-internet.com</a>
Colin Brench	Vice Chair	X	<a href="mailto:colin.brench@ieee.org">colin.brench@ieee.org</a>
Ed Hare	Sec'y	X	<a href="mailto:w1rfi@arrl.org">w1rfi@arrl.org</a>
Andrew Drozd		X	<a href="mailto:a.d.drozd@ieee.org">a.d.drozd@ieee.org</a>
Michael Hart		X	<a href="mailto:mjhart@quantumchange.com">mjhart@quantumchange.com</a>
Donald Heirman		X	<a href="mailto:d.heirman@ieee.org">d.heirman@ieee.org</a>
Daniel Hoolihan		X	<a href="mailto:hoolihan@citlink.net">hoolihan@citlink.net</a>
Prof Risaburo Sato			
Werner Schaefer			
Ralph Showers			<a href="mailto:showers@seas.upenn.edu">showers@seas.upenn.edu</a>
Kwak Soohoo			<a href="mailto:ksoohoo@us.ibm.com">ksoohoo@us.ibm.com</a>
David Staggs		X	<a href="mailto:Cmmdrzap@aol.com">Cmmdrzap@aol.com</a>
Donald Sweeney			<a href="mailto:dsweeney@dlsemc.com">dsweeney@dlsemc.com</a>
Kimball Williams		X	<a href="mailto:k.william@ieee.org">k.william@ieee.org</a>
Perry F. Wilson			<a href="mailto:pfw@boulder.nist.gov">pfw@boulder.nist.gov</a>
<b>Other Attendees</b>			
Dick Ford		X	<a href="mailto:Richard.ford@nrl.navy.mil">Richard.ford@nrl.navy.mil</a>
Natalie Hart		X	
Fred Heather		X	<a href="mailto:heatherf@ieee.org">heatherf@ieee.org</a>
Elya Joffe		X	<a href="mailto:Eb.joffe@ieee.org">Eb.joffe@ieee.org</a>
Shuichi Nitta		X	<a href="mailto:Nitta@salesio-sp.ac.jp">Nitta@salesio-sp.ac.jp</a>
John Norgard		X	<a href="mailto:John.norgard@rl.af.mil">John.norgard@rl.af.mil</a>
Ghery Pettit		X	<a href="mailto:ghery.pettit@intel.com">ghery.pettit@intel.com</a>

2. The draft agenda for the meeting was approved.
3. Natalie Hart gave a presentation on her work in updating the SDCCom web pages. The following were the points covered and the general consensus of the committee on the way the web-page development should proceed:
  - o The overall navigation of the SDCCom web pages needs to be improved.
  - o The navigation of the SDCCom pages should be based on the IEEE home web page. A template for the IEEE home page is available and Andy Drozd will supply it to Natalie (Action Item – A. Drozd).
  - o The SDCCom Secretary will be responsible to the SDCCom Chair for ensuring that the content of the pages is kept up to date. He may delegate some of the work to WG

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- Chairs as appropriate, for those Chairs that have an interest in maintaining pages that will require update and the ability to do so.
- The SDCom Chair, Vice Chair, Secretary and WG Chairs shall have public contact information posted. Others may do so at their option.
  - Some of the public-site pages contain email addresses and these are taken off the public pages immediately (Action Item – N Hart).
  - A full roster with full contact information will ultimately be maintained in a password-protected area.
  - All out-of-date pages will be immediately replaced with an “under construction” generic page (Action Item – N Hart).
  - Archives of the SDCom committee minutes and other files will be available by date. Archives of Working Group or project minutes and files will be available on each WG or project page. The minutes of past meetings are the most important records, so they will be listed first on each archive page.
  - A link will be added to the Standards Association to tell people how to download copies of standards (Action Item – N. Hart).
  - Presentations made at SDCom and WG meetings may be included on the web pages, but with a disclaimer that they represent only the opinion of the presenter.
4. Mr. Berger joined the meeting at 10:15 AM. He assumed the Chair.
5. Steve Berger led a discussion on the P.1900 project.
- a. P1900 is still moving toward becoming a Standards Coordinating Committee, but is still in the hands of the Standards Board. S. Berger will expedite sending a letter to the Standards Board to help move this along (Action Item – S. Berger).
  - b. The responsibility for P1900 meeting managing and finances now rests with the IEEE Conference Management Services staff. S. Berger will ask IEEE staff to fully clarify the responsibilities of P1900 and CMS and the status of the formal agreement between P1900 and CMS (Action Item – S. Berger)
  - c. P1900.1 – Definitions. The final draft is expected at the P1900 meeting at the end of November, 2006.
  - d. P1900.2 – Interference. This is close to a final draft. S. Berger reported that there are 150 people on the P1900.2 mailing list; 15-30 typically attend in-person meetings and that there are 90 people in the balloting group..
  - e. P1900.3 – Software. This is in first draft.
  - f. P1900.4 – End-to-end reconfigurability. A PAR for this project has been submitted to NESCom and it will be considered at the NESCom meeting in early December, 2006.

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6. Mil. Std. 469 – D. Ford led a brief discussion about Mil. Std. 469. Although this standard may be withdrawn at some point, at this time, it is still an active standard and cannot be withdrawn if it is still being specified in any US-government contracts. D. Ford will provide a future report to SDCOM if there is anything specific to report with respect to this standard.
7. Other Standards and Projects
  - a. Other standards and projects were discussed:
  - b. Std. 187<sup>1</sup> – D. Heirman reported that A. Marks indicated that this standard is still current and in use. D. Heirman motioned to open a reaffirmation ballot on Std. 187. The motion was seconded and carried. The Secretary will initiate a reaffirmation ballot at the earliest opportunity (Action Item – E. Hare)
  - c. Std. 299<sup>2</sup> – This standard is current and will not need to be reviewed until 8/2009.
  - d. Std. 299.1 – S. Berger reported that the PAR for the revision of this standard was approved by NESCOM at its September meeting. The Working Group needs to report on the status of the draft. (Action Item – Sabrina Sarto)
  - e. Std. 377 – This standard is current and will not need to be reviewed until 8/2009.
  - f. Std. 473<sup>3</sup> – C. Brench reported that the Working Group for the revision of this standard has a new Chair – Vil Arefils. The PAR for this project has expired and the WG Chair will need to submit another one at the earliest opportunity (Action Item – V. Arefils).
  - g. Std. 475<sup>4</sup> – The Secretary reported that the reaffirmation ballot for this standard as successful and the standard was forwarded by the Secretary to NESCOM for consideration at its 12/5/2006 meeting.
  - h. P1128<sup>5</sup> – This standard is current and will not need to be reviewed until 8/2009.
  - i. P1140<sup>6</sup> – This standard is current and will not need to be reviewed until 8/2009.

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<sup>1</sup> IEEE 187 - IEEE Standard on Radio Receivers: Open Field Method of Measurement of Spurious Radiation from FM and Television Broadcast Receivers

<sup>2</sup> IEEE 299 - IEEE Standard Method of Measuring the Effectiveness of Electromagnetic Shielding Enclosures

<sup>3</sup> IEEE 473 - IEEE Practice for an Electromagnetic Site Survey (10kHz to 10 GHz)

<sup>4</sup> IEEE 475 - IEEE Standard Measurement Procedure for Field Disturbance Sensors, 300 MHz to 40 GHz

<sup>5</sup> IEEE 1128 - IEEE Recommended Practice for RF Absorber Evaluation in the Range of 30MHz to 5GHz

<sup>6</sup> IEEE 1140-1994 (R1999) - IEEE Standard for the Measurement of Electric and Magnetic Fields from Video Display Terminals (VDTs) from 5 Hz to 400 kHz

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- j. P1302<sup>7</sup> – C. Brench reported that the Working Group Chair (J. Catrysse) has reported that the final draft of this standard should be completed by the end of November, 2006.
  - k. P1309<sup>8</sup> – This standard is current and will not need to be reviewed until 8/2007. This will be considered at the July 2007 SDCom meeting.
  - l. P1309 Amd. – A new Chair for this project is needed. (Action Item – S. Berger)
  - m. P1560 – This standard is current and will not need to be reviewed until 8/2007. This will be considered at the July 2007 SDCom meeting.
  - n. P1597.1<sup>9</sup>/P1597.2<sup>10</sup> – A. Drozd reported that these standards should be ready to ballot by 2/2007.
  - o. P1642<sup>11</sup> – A report on the progress of this standard was not received from B. Radasky. The Secretary will ask for a written report from the WG Chair.
  - p. P1643 – A report on the progress of this standard was not received from B. Radasky. The Secretary will ask for a written report from the WG Chair.
  - q. P1688<sup>12</sup> – F. Heather reported that this project now has a Chair and Vice Chair and he outlined significant technical progress was made on the standard. A brief report is appended to these minutes as an informative annex.
8. Under New Business, D. Heirman gave a report on the upcoming 2007 EMC Symposium. He indicated that because of the venue and the Friday historical events, it will not always be possible to hold the SDCom and WG meetings on the traditional days. The Secretary was asked to inform the WG Chairs that they need to indicate whether they intend to hold a meeting at the Symposium so the necessary scheduling can be done. (Action Item – E. Hare) D. Heirman will send a written report on the developing schedule so it can be included in the minutes of the meeting. (Action Item – D.Heirman)

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<sup>7</sup> IEEE 1302 - Guide for the Electromagnetic Characterization of Conductive Gaskets in the Frequency Range of DC to 18GHz

<sup>8</sup> IEEE 1309 - IEEE Standard Method for the Calibration of Electromagnetic Field Sensors and Field Probes, Excluding Antennas, from 9 kHz to 40GHz

<sup>9</sup> IEEE P1597.1 - IEEE Standard for Validation of Computational Electromagnetics (CEM) Computer Modeling and Simulation

<sup>10</sup> IEEE P1597.2 - IEEE Recommended Practice for Computational Electromagnetics (CEM) Computer Modeling and Simulation Applications

<sup>11</sup> IEEE 1642 - Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI

<sup>12</sup> IEEE P1688 - Standard for Module Electromagnetic Interference (EMI) Testing

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The Secretary was asked to provide to S. Berger and D.Heirman a spreadsheet of the meeting schedules for the Symposium. This will include an assessment of the WG food and beverage needs and the needs for signage to help direct people to the meeting. (Action Item – E. Hare)

9. E. Hare gave a short summary of the P1775 meeting that was held last week. The general observations of the P1775 Chair (A. Viner) to his attending the SDCom meeting in Portland were reported. After a brief discussion, SDCom recessed for lunch.
10. The meeting was called back to order by S. Berger at 12:45 PM.
11. A discussion of the interaction between P1775 and EMCS led to the decision that S. Berger should ask B. Ashe and E. Hare for a written report of the P1775 meeting.
12. E. Hare led a discussion of the content of the P1775 response to the questions that SDCom had asked them about the direction and content of the P1775 standard. G. Pettit was asked to write a response to the P1775 response, outlining the concerns that SDCom members raised during the discussion. The draft of this response is to be completed by 12/1/2006 and delivered to S. Berger. (Action Item – G. Pettit). SDCom is interested in the way that various peer-reviewed papers may be considered in the development of the P1775 standard. E. Hare was asked to obtain a copy of the bibliography annex draft and provide it to SDCom. (Action Item – E Hare) E. Hare will also email SDCom members and ask if they can provide any recommend any specific papers for consideration by P1775 and for inclusion in the bibliography. (Action Item – E. Hare). S. Berger will discuss with A. Gehlman the ways that EMCS and ComSoc can interact with PES to complete the voting and balloting of the P1775 standard when it is complete (Action Item – S. Berger).
13. The next SDCom meeting will be held March 14, 2007 in Piscataway, NJ. The following meeting will be held July 9, 2007 in Honolulu. The following meeting will be held October 8, 2007 in Florida.
14. A motion by E. Hare to adjourn the meeting was seconded and approved at 3:10 PM.

NOTE – The following are action items from the November meeting. E. Hare will append a new open action item list with the above AIs and any outstanding from previous minutes.