

SDCom AGENDA

March 19, 2009

Phoenix, AZ

Chairman: Andy Drozd, andro1@aol.com

Vice Chairman: Colin Brench, colinbrench@yahoo.com

Secretary: Ed Hare, w1rfi@arrl.org

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|-----------|---|----------------------|
| 1. | Call to Order | Chair |
| 2. | Introductions and Approval of Agenda | Secretary |
| 3. | Show IEEE patent slides | Secretary |
| 4. | Approval of draft minutes from past meeting | Secretary |
| 5. | SDCom Administrative Support | Secretary |
| | 5.1. Brief overview of SDCom purpose and scope of SDCom | Chair |
| | 5.2. Status of L-50 (filed 4/15/2009) | Secretary |
| | 5.3. SDCom budget (\$14k) | Chair |
| | 5.4. Annual vote affirming SDCom membership | Chair |
| 6. | Status of Standards Maintained by SDCom | Secretary |
| | 6.1. Std 139^a - In-situ measurement of ISM equipment | Secretary |
| | <i>Status: Begin revision for 5-year review 8/2009. No action required.</i> | |
| | 6.2. Std 187^b - Measurement of spurious from FM/TV receivers | Secretary |
| | <i>Status: Secretary to report on status with RevCom.</i> | |
| | 6.3. Std 299^c - Measuring shielding effectiveness | Sarto |
| | <i>Status: Begin revision for 5-year review 8/2009. No action required.</i> | |
| | 6.4. P299.1^d - Shielding effectiveness, dimensions 0.1-2m | Sarto |
| | <i>Status: Report needed from WG Chair.</i> | |
| | 6.5. Std 377^e - Spurious from land-mobile transmitters | Secretary |
| | <i>Status: Secretary to report on status with RevCom.</i> | |
| | 6.6. Std 473^f - EM site survey to 10 GHz | Heirman/Joffe |
| | <i>Status: Report needed from WG Chair.</i> | |
| | 6.7. Std 475^g - Measurement of field disturbance sensors | Secretary |
| | <i>Status: Standard expires at end of 2011, but with interest in extending the frequency range below 300 MHz, it would be best to begin revision for 5-year review 8/2009. SDCom will continue discussion about forming WG.</i> | |

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

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

^c IEEE 299 - IEEE Standard Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures

^d P299.1 - Standard method for measuring the Shielding Effectiveness of enclosures and boxes having all dimensions between 0.1 m and 2 m

^e IEEE 377 - IEEE Recommended Practice for Measurement of Spurious Emission from Land-Mobile Communication Transmitters

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

^g IEEE 475 - IEEE Standard Measurement Procedure for Field Disturbance Sensors, 300 MHz to 40 GHz

- 6.8. Std 1128^h - RF absorber evaluation** **Ford**
Status: Standard expires at the end of 2011, but there was some discussion that the frequency range of 5 GHz is archaic. The standard should be revised instead of reaffirmed. It would be best to begin revision for 5-year review in 2008. SDCOM will continue discussion about forming WG.
- 6.9. Std 1140ⁱ - Measuring emissions from video-display terminals** **Secretary**
Status: Consider revision for 5-year review 8/2009. Secretary to report on possible use of standard material in other standards and technical areas.
- 6.10. Std 1302^j - Characterization of conductive gaskets** **Secretary**
Status: Secretary to report status with RevCom.
- 6.11. Std 1309^k - Calibration of field sensors** **Chen**
Status: Report needed from WG Chair.
AI: Secretary to report on progress submitting change of Chair for PAR.
- 6.12. 1309 Amd.** **Chen**
Status: Report needed from WG Chair
- 6.13. P1560^l - Measurement of RFI filtering capability** **Phipps**
Status: The standard expires at end of 2010. WG Chair Mr. Kermit Phipps reported that no change is needed for document. Can be submitted for reaffirmation at any time.
- 6.14. P1597.1^m - Validation of EM computer modeling** **Droz**
Status: WG chair report at meeting, via Secretary.
- 6.15. P1597.2ⁿ - EM computer modeling applications** **Droz**
Status: WG Chair report at meeting, via Secretary
- 6.16. P1642^o Protecting public computers from intentional EMI** **Radasky**
Status: Report needed from WG Chair.
- 6.17. P1688^p - Module EMI testing** **Heather**
Status: Report needed from WG Chair.
- 6.18. P1775^q - BPL emissions testing/immunity testing and limits** **Hare**
Status: Hare to report at meeting.
- 7. Summary discussion of progress on projects** **Chair**
- 8. Old Business** **Secretary**

^h IEEE 1128 - IEEE Recommended Practice for RF Absorber Evaluation in the Range of 30MHz to 5GHz

ⁱ 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

^j IEEE 1302 – IEEE Guide for the Electromagnetic Characterization of Conductive Gaskets in the Frequency Range DC to 18GHz

^k IEEE 1309 - IEEE Standard Method for the Calibration of Electromagnetic Field Sensors and Field Probes, Excluding Antennas, from 9 kHz to 40GHz

^l IEEE P1560 - Methods of Measurement of Radio Frequency Interference Filter Suppression Capability in the Range of 100 Hz to 40 GHz

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

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

^o P1642 - Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI

^p P1688 – Standard for Module Electromagnetic Interference (EMI) Testing

^q P1775 - Standard for Broadband Powerline Communication Equipment – Electromagnetic Compatibility (EMC) Requirements – Testing and Measurements Methods

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| 8.1. Web page | Secretary/Pettit |
| 9. Liaison reports and long-range planning | |
| 9.1. Audit Committee | Sweeney |
| 9.2. Policies and Procedures | Drozd |
| 9.3. Report on long-range planning - EMC-S | Heirman |
| 9.4. Report on SETCom | Secretary/Ye |
| 9.5. Report on SACCom | Heirman |
| 9.6. Report on SCC-41 / 1900 series | Berger |
| 10. New business | |
| 10.1. EMC Symposium 2009 (WG meeting requests) | Secretary |
| 10.2. Joint standards activity with Canada Standards Association | Drozd |
| 11. Review of Open Action Items | Secretary |
| 12. Adjournment | Secretary |
| 13. 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. At the Symposium, SDCom meetings traditionally held Monday and Wednesday AM. Subject to change. At other venues, SDCom meetings traditionally held late morning, through lunch, and into early afternoon. Subject to change.