

Minutes  
 IEEE-EMCS Standards Development Committee  
 Monday, May 23, 2005  
 Marriott Star Pass Resort

1. Meeting called to order at 12:00 (noon)

Attendance

|                          |       | Present   |
|--------------------------|-------|-----------|
|                          |       | 5/23/2005 |
| <b>Committee Members</b> |       |           |
| Stephen Berger           | Chair | X         |
| Nigel Carter             |       | X         |
| Andrew Drozd             |       | X         |
| Ed Hare                  |       |           |
| Donald Heirman           |       | X         |
| Daniel Hoolihan          |       | X         |
| Elya Joffe               |       |           |
| Prof Risaburo Sato       |       |           |
| Werner Schaefer          |       |           |
| Ralph Showers            |       |           |
| David Staggs             |       |           |
| Donald Sweeney           |       | X         |
| Kimball Williams         |       | X         |
| Perry F. Wilson          |       |           |
| Michael Hart             | Sec'y | X         |
| <b>Other Attendees</b>   |       |           |
| John Norgard             |       | X         |
| Colin Brench             |       | X         |
| Ghery Pettit             |       | X         |
| Bruce Archambeault       |       | X         |

2. Agenda approved unanimously (Don Sweeney/Kimball Williams – Moved/Seconded).
3. Draft minutes of March 7<sup>th</sup> meeting modified with Bruce Archambeault added to list of attendees. Dan Hoolihan/Kimball Williams moved and seconded for acceptance. Passed Unanimously.
4. Active membership discussed by Mike Hart. Dr. Sato and Dr. Showers are two examples of members who do not respond to any voting or communications. Review of P&P rules was discussed and it was agreed to police this further in the future.

**ACTION ITEM:** Dan Hoolihan to contact Soichi Nita for help in determining Dr. Sato's status

5. LRM (Line Replaceable Modules)

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- a. Don Heirman stated title needs to be changed. Don Sweeney felt that wording was too loose. Don submitted some recommended wording changes (by email earlier). After discussion it was agreed to incorporate Don's comments into the final PAR. Specific clarification on EMI as opposed to EMC (Emissions only or Emissions and Immunity).
- b. Steve Berger moved to accept PAR with changes. Steve Berger/Don Sweeney. Passed Unanimously.

**ACTION ITEM:** Mike Hart to coordinate working changes with Fred Heather.

6. BPL (Broadband over Power Lines)
  - a. Discussion on technical nature of problem (conducted emissions vs radiated emissions). Are we measuring radiated noise?
  - b. Ghery Pettit discussed the current status of CISPR activities with regards to this standard. They have cancelled current activities and are starting from scratch.
  - c. What is purpose of PAR? (question from Don Sweeney) Elicited wide ranging discussions that included references to the FCC interest in this area. The FCC cannot deny new technology without valid technical constraints. There is no method in existence for measuring this type of problem.
  - d. Steve Berger requested support from Committee in representing EMCS in the joint committee effort. Bruce Archembeault offered technical support but stated his company was not committed to providing logistical support at this stage. Don Sweeney offered to fund one of his engineers. This discussion will take place further between Steve and Don.
7. PAR 1900 (Software Defined Radio) Series
  - a. Steve Berger gave short summary of status of this project.
  - b. P&P for this group was discussed. Andy Drozd was asked by Don Heirman to research whether these P&P's conflicted with the Committee P&P's.
  - c. Steve Berger stated that there was a need to get acceptance on this prior to July Working Group meeting. This group will operate quite differently from most standards working groups.
  - d. Don Heirman moved to accept this P&P subject to Andy Drozd's research. Dan Hoolihan seconded. Passed unanimously.
8. STD 187 – Open Field Method of Measurement of Spurious Radiation from FM and Television Broadcast Receivers.
  - a. Dual Logo status rejected by IEC because of conflict with open work on their part. This conflicts with other information. Don Heirman stated that this issue is being working through.

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9. Working Group Membership was discussed by Mike Hart. There is no current roster of members for each working group.

**ACTION ITEM:** Mike Hart to contact WG Chairman and create accurate rosters

10. STD 299 – Standard Method of Measuring the Effectiveness of Electromagnetic Shielding Enclosures.
- a. 1 Negative and 4 others with Comments need to be resolved and reballoted.
  - b. Mark Bushnell (current WG technical writer) has been contacted to take over leadership of the completion of this Ballot

**ACTION ITEM:** Mike Hart to coordinate with Mark

11. STD 376 – Standard for Measurement of Impulse Bandwidth
- a. Nothing received on reaffirmation ballot
  - b. Secretary and Chairman are to try to get update prior to August Meeting
12. STD 473 – Practice for an Electromagnetic Site Survey
- a. Elya Joffe needs to seek extension. Secretary to coordinate.
13. STD 1128 – Recommended Practice for RF Absorber Evaluation in the Range of 30 MHz to 5 GHz.
- a. Comments have been forward to Mike Hart for resolution.
14. STD 1140 – Standard for Measurement of Electric and Magnetic Fields from Video Display Terminals from 5 Hz to 400 kHz.
- a. All comments addressed per Steve Berger. All comments will be resolved in next affirmation.
  - b. It is not expected that this standard will be revised in 5 years, but may be if interest still exists.
  - c. Steve Berger is handling reaffirmation balloting.
15. STD 1302 – Guide for the Electromagnetic Characterization of Conductive Gaskets in the Frequency Range DC to 18 GHz.
- a. Dr. Catryssee is running late on this standard. If it continues an extension will be required.
  - b. A current copy of the draft needs to be circulated to the board to substantiate progress

**ACTION ITEM:** Mike Hart to get copies and circulate along with membership list for WG.

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16. STD 1309 – Standard Method for the Calibration of Electromagnetic Field Sensors and Field Probes
  - a. Up for Review by NESCOM at June Meeting
  
17. PAR 1597.1 – Standard for Validation of Computational Electromagnetics (CEM) Computer Modeling and Simulation  
PAR 1597.2 – Recommended Practice for Computational Electromagnetics (CEM) Computer Modeling and Simulation Applications.
  - a. Andy Drozd gave update on activities for both standards. .1 in Draft with .2 slightly behind. Both are not ready for ‘prime-time’.
  - b. Andy moved to extend this work for one year. Seconded by Don Heirman and passed unanimously.
  
18. PAR 1560 – Methods for Measurement of Radio Frequency Interference Filter Suppression Capability in the range 100 Hz to 40 GHz
  - a. Working on ballot comments.
  - b. Needs to be recirculated in near future.

**ACTION ITEM:** Mike Hart to push for recirculation prior to August meeting.
  
19. Old business/New Business
  - a. Don Heirman reviewed the 5 year plan and discussed committee inputs.
  - b. Members should pay particulate attention to section 5.
  
20. Next Meeting and Time of Meetings discussed.
21. Meeting adjourned at 2:05 PM.

Summary of Action Items

1. Dan Hoolihan to contact Soichi Nita for help in determining Dr. Sato’s status
2. Mike Hart to coordinate working changes with Fred Heather on LRM
3. Mike Hart to contact WG Chairman and create accurate rosters for All WG
4. Mike Hart to coordinate with Mark Bushnell on Std 299
5. Mike Hart to get copies and circulate along with membership list for WG 1302