

**Minutes of the  
IEEE EMC Society Standards Development Committee  
Meeting at the IEEE EMC-S BOD Meeting  
Honolulu, Hawaii  
Thursday, March 13, 2003**

**1. Welcome and Introductions:**

- a. Chairman Stephen Berger opened the meeting at 12:50hrs with a suggestion that we plan on discussing broad directions on where we are going with the committee.
- b. Introductions around the table were taken.

**2. Review of Draft Agenda:**

The draft agenda was reviewed and several new topics added as 'new business' (See amended agenda).

**3. Minutes of the Last Meeting:**

The minutes of the last meeting in Sao Paulo were reviewed, and accepted as amended. During the review it was noted that the committee needs another election of officers. Stephen Berger will take care of this duty. Action Item #1.

**4. Current Business:**

- a. Std. 187: It was noted that the WG is preparing to submit for sponsor ballot. The SDCOM needs to review the balance of the voting group. Action Item #2.
- b. Std. 377: Stephen Berger stated that when the next ballot for standard 377 is taken, it should be very clear in the ballot whether or not the standard should be withdrawn. Action Item #3.
- c. Std. 437 report given by Elya Joffe. An outline has been constructed and chapter assignments accepted by sub-committee members.
- d. Std 1309: John Kramer now has an electronic version of the document and is working on issues of conversion from 'FrameMaker' to MSWord.
- e. Std. P1597: Andy Drozd reviewed the current status of the standard.

**5. New Business:**

**a. GTEM ad hoc committee:**

Stephen Berger brought the committee up to date on the activities of this group. Motorola has appealed to the FCC to accept GTEM measurements for intentional radiators. The Ad hoc committee is working on developing a set of criteria on what would be necessary to build a credible list of requirements. Don Heirman informed us that 61000-4-20 is the current TEM document but it applies only to products operating on battery power.

**b. Alternative Test sites:**

The question of frequency cutoff's of standards is being discussed at NIST to find a physical rationale for what that frequency should be. One suggestion is that the relative size of the EUT with respect to the wavelength of the frequency being measured.

**c. Ferrite Channel Technique:**

Gary Pettit: Discussed the practice of using ferrite clamps on cables of devices under measurement. The concern has been that if some regulations do not accept the practice, devices under test may be required to test below 1GHz twice. If there is agreement in CISPR to remove the requirement from CISPR 22, then Gary will advise stopping the similar movement in ANSI.

**d. LRMs (Line Replaceable Modules):**

Fred Heather gave us an overview of the subject with concerns about EMC test requirements on a module method that may invalidate much of the precepts upon which current MIL-STD test procedure4s are based. Stephen Berger suggested that it might be helpful to develop a PAR for a new standard for consideration by the SDCom. Action Item #4.

**e. Waveform Diversity Conference:**

Andy Drozd introduced us to the emerging discipline of utilizing multiple waveforms to allow for system integration of radar/communications in severe interference environments. The group is looking for a 'big brother' to act as a 'host' for the technology. The committee advised that they would be interested in finding out what TC6 would have as a suggestion for possible standards. Action Item #5.

**f. Spectrum Temperature:**

Don Heriman give the committee an overview of the work of the FCC Spectrum Policy Task Group that has led up to a possible change in the method of determining spectral "white spaces" (times when certain spectral areas are not in use by conventional systems and may be open for use by other services). The task force recommendation was that the FCC should adopt quantitative standards to provide interference protection using "interference temperature". The FCC is now looking for suggestions on how this program might work in practice. Action Item #6

**g. Istanbul Symposium:**

Don Heirman and Elya Joffe spoke about current plans for the Sunday 5/11/2003 SDCom meeting at the Istanbul Symposium. Don Heirman suggested that we use the same format that proved successful at the Sao Paulo meeting.

**6. Old Business:**

Andy Drozd led a discussion on the changes to the Policy and Procedures document for the SDCom.

7. Quorum was added to the document for the SDCom. (Don Heirman moved that we adopt the changes, second by Kimball Williams). Passed by voice vote.

8. Attendance policy: Stephen Berger discussed the problem of maintaining a stable, yet reliable-active, membership. The option of teleconference connections was discussed. Action Item #7.

**9. Review of Action Items:**

The action items will be reviewed and updated via e-mail.

**10. Adjourn**

The meeting was adjourned at 16:50 hrs.

**SDCom Action Items**  
**26 February 2003**

Left over From the August 19/21 Meeting:

1. Mssrs. Bronaugh, Heirman, Joffe and Kraemer: prepare a "kernel" on Uncertainty for use by WGs in their standards (In process)
2. Mr. Phipps: submit new P1560 PAR to reflect consensus word change in title to be in line with any revised wording in the scope of the standard. (Pending)
3. Mr. Kraemer: request an editable Word copy of Std-1309 from the IEEE Standards Office. (Complete)
4. Mr. Kraemer: prepare a narrative of this standard revision process. The SDCom Secretary will circulate the narrative to the SDCom members for comment and approval. Once approved, the writeup will posted on the web site under "Guidance for WGs". (Pending)
5. Mr. Berger: contact Art Wall and Mr. Hurst of the FCC to define FCC's position on Std-139. (Complete)
6. Mssrs. Denny, Joffe, and Heirman: prepare an announcement on proposed action on Std-139 for EMCS Newsletter. (Related) Mr. Bronaugh asked to prepare an article on Std-139 for the February issue of the Newsletter. (Pending)
7. Secretary: contact Werner Schaefer to see if he would be willing/able to lead a working group to evaluate Std-376 for revision/update. Secretary also to contact IEEE SA to see how many times over the past two years that the standard has been ordered.
8. Dr. Perini: provide recommendations to SDCom by 1 January 2003 for Std-1128 reaffirmation/revision. (Pending)
9. Mr. Moogilan: recommend course of action to revise/reaffirm Std-1140 by the March meeting of the SDCom. (Pending)
10. Mr. Heirman: prepare an article for the Newsletter on qualifications and the steps necessary to become a member of a balloting group on a particular standard. (Pending)
11. Mr. Drozd: contact Kimball Williams to encourage him to submit his application to join the SDCom. (Completed)
12. Secretary: On the SETCom web page, establish links between the standards articles and the Newsletter web pages containing the articles. (Completed)
13. All: review the Minneapolis Symposium Record to identify potential candidates for SDCom membership. (Closed)

From the November 23 meeting:

1. SDCom Secretary directed to request the SDCom members to review their categories for inclusion in the Std-187 balloting group. At the same time, the members will be asked to revisit their PUG categories using the revised guidelines for each of the current standards.
2. The Secretary to poll the members for their opinions as to an appropriate definition of "quorum" for inclusion in the P&P.

**SDCom Action Items**  
**March 13, 2003**

1. S. Berger: Setup an election of SDCom officers.
2. Don Hierman & S. Berger Review ballot balance with respect to 187 working group chair.
3. The Secretary shall resolve the negative votes on Std. 377 and have the standard renewed.
4. Fred Heather will develop a PAR on LRMs and present it to the committee at its next meeting.
5. Andy Drozd will keep the committee informed of waveform diversity activity and let us know of the website that hosts this activity.
6. Messers Heirman and Joffe will continue to monitor the current movement in spectrum temperature and keep the committee informed.

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7. Stephen Berger will confer with Don Heirman and determine what and how to try a possible teleconference link for committee activity.