

## SDCom Minutes

**Montreal, Canada  
August 13 & 15, 2001**

**August 13, 2001 8 – 10 a.m. (Part I)**

- 1 Call to Order Berger
- 2 Introductions, Attendance and Approval of Agenda Berger

Agenda adopted

- 3 Recording of Attendance Denny

Members present: Berger, Denny, Bronaugh, Butler, Drozd, Heirman, Hoolihan, Joffe, Kraemer, Ritenour, Sato, Showers, Sweeney, and Traver.

Visitors: A. Sugiura, Tokyo University; K. Taira, Sendai EMC Research Center, TAO; V. Arafles, Dept of Defense; Warren Kesselman, EMCS Treasurer; Jerry Meyerhoff, Motorola AIEG; and Wally Pilat, Invensys.

- 4 Review and Approval of Minutes Denny

Mr. Traver moved adoption. Mr. Sweeney seconded. Adopted.

- 5 Overview of SDCom Projects Berger
- 5.1 Coordination – Voting Equipment Standard Sweeney

On proposed standard, P1583, the IEEE is coordinating with the Federal Election Commission (FEC). Mr. Berger is the WG Chair. Mr. Sweeney had previously asked for comments on voting machines; he received one comment back from the SDCom members. He has talked to one of his customers who is involved with gaming machines. He is now trying to get approval for access to the gaming industry's requirements. Other concerns expressed by those present included terrorist access to voting machines via interference modes; commercial immunity requirements which are more stringent than IEC yet do not preclude failures; and pulsed EM fields as possible threat. For further information the members are requested to go the web site: [www.fec.gov](http://www.fec.gov) Heirman – stds board has a standard -- possible issues: testability

### Reviews of Currently Active PARs

- 6 P187 Traver

Mr. Traver provided a handout of his presentation– a copy of which is attached. The P187 WG was scheduled to hold a meeting at 1 pm on Thursday, August 17.

7 P299

Svetanoff

In the absence of Mr. Dale Svetanoff, the review was presented by Dr. William (Bill) Croissant. The Working Group conducted a teleconference among the WG members on July 27. Another meeting was held on 8/12. The next meeting of the WG was scheduled to be held on 8/17 from 8 – 12. In summary, the 1<sup>st</sup> draft is expected in Mar 2002. The current goal is to have the draft of the revised standard to the SDCom by July 2002, with balloting during 2003. Current issues: “uncertainty” vis-à-vis “reproducibility.” The SDCom recommended that the Working Group consult Mr. Bronaugh for clarification and for appropriate language to include in the revised standard. The SDCom noted that the WG needed to revise the currently-approved to say “two meters” rather than “not less than two meters.”) There needs to be a new PAR to be prepared and approved to address the very small, i.e., “cm”-sized, enclosures.

8 P473

Joffe

The purpose of P473 is to up date and revise the procedures for conducting an EM Site Survey. The Working Group held their first meeting on Wednesday 8/15 from 1-5 pm. The WG now has 11 members. Since the members live in 9 different time zones, the WG expects to emphasize telecommunications. Mr. Joffe is now attempting to set up a message board that will facilitate communication and exchange of draft documents. A report on the WG meeting is attached.

9 P1560

Phipps

A copy of Mr. Phipps’ handouts are attached. A first rough draft of the proposed standard has been circulated to the WG and to the SDcom. A comprehensive discussion of the effort followed. It was emphasized that the IEEE copyright declaration must be on every page of all drafts; only the draft which the Working Group considers to be its final needs be circulated to the SDCom. It was suggested to Mr. Phipps that he needs to be formulating a suggested balloting group as soon as possible.

10 Adjourn of Part I

Berger

**August 15, 2001 7 – 9 a.m. (Part II)**

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| 1 | Call to Order                                  | Berger |
| 2 | Introduction of visitors, and Review of Agenda | Berger |
| 3 | Review of Action Items from previous meeting   | Denny  |

1. Secretary to include item on the November Agenda to discuss methods for improving the continuous process for approving PARs. Status – will be included.

2. Mr. Drozd was to forward a copy of the Revised P&P to Jodi Haaz of Standards Activities Department of the IEEE. Status – completed???
3. Messrs. Ritenour, Bronaugh to jointly review Std-140 and make recommendations to SDCOM at the Montreal Meeting as to the proper course of action to reaffirm, revise or retire. Status -- Mr. Bronaugh made the motion to retire Std-140; seconded by Mr. Ritenour. Approved – 11:1. After additional discussion, the committee determined that additional consideration needs to be given to the continuing utility of this standard. Consequently, Mr. Heirman moved to table the above motion; Mr Sweeney seconded the motion and the motion to table passed. Further discussion to be held.
4. Mr. Joffe, Chair of the Standards Advisory Committee (SACCOM), was asked to determine whether an IEC standard existed that addressed shielding effectiveness and, if so, which TC had the responsibility. Status: Mr. Joffe reported that TC77C under Diethard Mohr would be the responsible committee.
5. Mr. Hoolihan was asked to review Std-377 and contact potential users in the automotive community to see if this standard continues to meet their needs. Discussion: Dr. Showers indicated that the subject devices are still being manufactured and thus a need continues. Jerry Meyerhoff of Motorola agreed to work with Mr. Hoolihan to assess the need to revise and support Std-377. Mr. Hoolihan contacted Mr. Poul Anderson of Daimler-Chrysler for comments. The response was that the standard was still useful and retention of Stds-377 was recommended.
6. Mr. Heirman was asked to determine if it were possible to obtain electronic versions of existing standards from the IEEE Standards Office for use by working groups working on revisions/updates. Response: The IEEE versions are in Framemaker format with Adobe PDF versions available. A discussion arose as to whether or not edits could be made to the pdf versions. Mr. Sweeney agreed to ask one of his employees if this were possible.
7. Dr. Perini is requested to determine the level of use of Std-1128, who is using the standard, and the continuing applicability of the techniques embodied in the standard. Discussion: Mr. Heirman indicated that there was a need to address laminated types of absorbers and existing installation practices.
8. Mr. Berger was asked to contact Dr. Hoeft, the chair of P1530 to identify ways in which the SDCOM could assist in the completion of the standard. Status: see accompanying report on P1530. Followup A.I.: The P1530 WG to have draft of document and recommended balloting group delivered to the SDCOM by the November 12 meeting in San Diego.
9. Mr. Drozd to prepare a PAR for a standard or recommended practice to develop canonic models for evaluating the performance of electromagnetic analysis codes. Status: Completed -- P1597 approved.
10. Secretary to contact each WG Chair to explain the planned format for the Annual Meeting in Montreal and to request a presentation to the SDCOM on their efforts and accomplishments. Status: Completed.

11. Mr. Sweeney was asked to contact the appropriate person in the IEC to see if improved coordination on EMC standards could be accomplished: Status: Pending.

12. The Secretary will include the topic of Marketing of EMCS Standards as an agenda item at a future meeting of the SDCCom. Status: included on the November 12, 2001 agenda.

13.

4 Coordination on FEC Voting Equipment Std Berger

### WG Project Presentations

5 P1302 Catrysse  
Prof. Cartrysee's report is attached.

6 P1309 Kraemer  
(Get synopsis of comments from Kraemer. Email note to Dave Ringle requesting extension of 1309 because of approved PAR)

7 P1530 Hoeft

Been having a meeting right now. Now have draft. Working on Recommended Practice. Send out Revised document on 10/1/01. Conference call on 10/16/01. Document to EG&G by 11/5. Ready for balloting by end of December. Ballot by this committee. A.I: Have draft of document and recommended balloting group by November meeting.

8 8:30-8:45 Canonical Modeling (P1597) Drozd

9 8:45-8:50 Q&A Canonical Modeling Drozd

Get synopsis of Andy's report for minutes. Will be in two parts: PT I -- Primitive and canonic models. Part II – guide for use/application

10 Old Business Denny

11 Adjourn Berger

**NEXT MEETINGS: November 12, 2001 12 - 5 PM San Diego, Ca.**  
**February 14, 2001 8 - 12 PM Tempe, Az.**