

November 6, 1998

**SUMMARY OF THE IEEE**

**EMCS STANDARDS COMMITTEE MEETINGS.**

Friday September 18, 1998

La Sapienza – University of Rome, Italy

The following is a brief summary of the attached minutes, which highlight the key points and issues raised at the meetings.

- The meeting had a total attendance of 13, 6 SCOM members and 7 guests.
- Standards 139, 140, 187, 299, 376, 377, 473, 1128, 1140, 1302 and 1309 are current with no W/G activity. Standard 1140 will require re-affirmation ballot before 1999.
- Standard 213 has completed re-affirmation by the IEEE Standards Board. John Osburn is looking to establish a new PAR for LISN construction details.
- Standard 475 is still a “work in progress”. Establishing a final document and routing for confirmation is required. John Osburn submitted the formal documentation for change of W/G Chair. The standard was re-affirmed in 1994.
- PAR 1530 is active work led by Bud Hoeft for establishing cable connector shielding measurement guidelines.
- Progress is being made on Policy & Procedures and Operations Manuals and preliminary audit findings.
- The Chair gave a presentation of EMC Standards Organization, Standards Status and Standards development process.

Respectfully Submitted,

David L. Traver - Secretary EMCS SCOM

November 6, 1998

MINUTES OF THE IEEE  
EMCS STANDARDS COMMITTEE MEETING.  
Friday September 18, 1998  
La Sapienza, University of Rome, Italy

MEMBERS PRESENT

|                   |                    |              |                 |
|-------------------|--------------------|--------------|-----------------|
| Donald N. Heirman | Chair              | David Traver | Secretary       |
| Donald Sweeney    | Email/Coordination | Andrew Drozd |                 |
| Joe Butler        | Policy/Procedures  | Dan Hoolihan | Awards Co-Chair |

MEMBERS ABSENT

|                  |                                     |              |               |
|------------------|-------------------------------------|--------------|---------------|
| Stephen Berger   | Vice Chair (proxy to DH)            | John Kraemer | (proxy to DT) |
| Ralph Showers    | (proxy to DH)                       | Ed Bronaugh  | (proxy to DH) |
| Risaburo Sato    | (proxy to DT)                       | John Osburn  | (proxy to DS) |
| Thurman Ritenour | Awards Co-Chair (proxy to Hoolihan) |              |               |
| Hugh Denny       | (P1302) (proxy to DT)               |              |               |

OTHERS PRESENT

|             |             |              |             |
|-------------|-------------|--------------|-------------|
| T. Yoshino  | IEEE Member | K. Williams  | Education   |
| B. Gjertson | IEEE Member | I. Dittrich  | IEEE Member |
| F. Caspers  | IEEE Member | Gary Fenecal | IEEE Member |
| F. Meyer    | IEEE Member |              |             |

ADDITIONAL MINUTES DISTRIBUTION

|             |              |              |           |
|-------------|--------------|--------------|-----------|
| Sue Vogel   | IEEE Liaison | Janet O'Neil | EMCS Sec. |
| Todd Hubing | TAC          |              |           |

**ELECTROMAGNETIC COMPATIBILITY SOCIETY  
STANDARDS COMMITTEE CORRESPONDENCE  
La Sapienza, Rome Italy - SCOM Meeting  
September 18, 1998- Final Agenda**

|      |   |                                       |                |
|------|---|---------------------------------------|----------------|
| 0.0  | Call to Order -   |                                       | Heirman        |
| 1.0  | Introduction & Approval of Agenda                         |                                       | Heirman        |
| 2.0  | Approval of Minutes – Denver, CO August 24 & 26, 1988     |                                       | Traver         |
| 3.0  | Policy & Procedures – Approval                            |                                       | Butler         |
| 4.0  | Operations Manual – Update & Review of Organization Chart |                                       | Heirman        |
| 5.0  | VP of Standards Organization                              |                                       | Heirman        |
| 6.0  | SCOM Officer Nomination Committee                         |                                       | Sweeney        |
| 7.0  | IEEE SCOM P&P Audit                                       |                                       | Drozd          |
| 8.0  | Review of Standards Status                                |                                       |                |
|      | STD 139   | -Rec. Meas. of RF from ISM Equip      | (Current)      |
|      | STD 140   | -Interference from Radio Htg Equip    | (Current)      |
|      | STD 187   | -FM and TV Broadcast Receivers        | (Current)      |
|      | STD 213   | -Cond. Emissions TV & FM Receivers    | (Current)      |
|      | P299  | -Effectiveness of Shielded Enclosures | (Current)      |
|      | STD 376   | -Meas. of Impulse Strength/Bandwidth  | (Current)      |
|      | STD 377   | -Land Mobile Communication Xmtrs      | (Current)      |
|      | STD 473   | -Site Survey                          | (Current)      |
|      | P475  | -Meas. for Field Disturbance Sensor   | (Gisin/Osburn) |
|      | P1128   | -RF Absorber                          | (Current)      |
|      | STD 1140  | -ELF/VLF VDT                          | (Current)      |
|      | P1302   | -Gasket Effectiveness                 | (Current)      |
|      | STD1309   | -Cal. of EM Probes & Sensors          | (Current)      |
|      | P1530   | -Cable & Connector Cal. Artifacts     | (Hoeft)        |
| 9.0  | Action Items  |                                       | Traver         |
| 10.0 | Next Meeting  |                                       | Heirman        |
| 11.0 | Adjournment   |                                       | Heirman        |

**MINUTES –September 18, 1998**  
**8 am to 10 am**

**0.0 Call to Order & Introductions -**

The Chair, Donald Heirman, opened the SCOM meeting on Friday the 18th, 1998 at La Sapienza – University of Rome. The Chair presented the proposed Agenda. A motion to approve the modified agenda was made, seconded and unanimously approved with no abstentions. For information on attendees and SCOM BoD Report by D. Heirman, [see Attachments A& B.](#)

**1.0 Approval of Agenda**

**2.0 Approval of SCOM Minutes**

The committee reviewed the minutes presented by the secretary and no significant modifications were requested. The secretary reported that he had received a request for correction to add Dale Svetanoff to the list of attendants in Denver, (he was present and gave a report to the SCOM on P299 status). After review a motion was made, seconded and passed, with one abstention by the Secretary, to approve the minutes as amended. [See Attachment C.](#)

**3.0 Policy and Procedures**

Joe Butler indicated that the existing approved version is dated August 18, 1997. The Chair reported that Andrew Drozd had volunteered to take over the Policy and Procedures maintenance from Joseph Butler. [See Attachment D.](#)

Action Item Drozd / Butler – update P&P to add Ballot Group Formation (invitation to ballot) flow diagram

**4.0 SCOM Operations Manual**

The Chair indicated that he would present materials related to the SCOM operations, and that there was no specific report by Hugh Denny on the first draft dated August 24, 1998.

Action: SCOM members- review Operations Manual and comment to H. Denny

**5.0 VP of Standards Organization**

The Chair gave a brief presentation on the position. The Chair indicated that membership of the IEEE Standards Association was a mandatory requirement to be a ballot member. [See Attachment F & G.](#)

**6.0 SCOM Officer Nomination Committee**

Donald Sweeney, the Nomination Committee Leader gave a report on the difficulty of getting candidates for all positions. Sweeney, Butler and Hoolihan were selected as the Nomination Committee. Donald Sweeney had the action item to notify the nominated individuals in preparation for a vote at the next SCOM meeting in November 1998 at Piscataway NJ. [See Attachment E.](#)

**7.0 IEEE SCOM P & P Audit**

Andy Drozd reported on the “pre-audit” that was completed at the Denver SCOM meeting. Andrew indicated that he was in the process of summarizing the activity in the form of a Histogram for the committee review. Evidence and History of the SCOM members was not readily available for review at the audit. When each SCOM member joined the committee, attendance activity, proxy activity, ballot return activity and verification of employer support documents seemed to be difficult to locate as a general finding.

Action: Drozd – provide final Audit report Histogram and recommendation for the record.

## **8.0 Standards Status**

The Chair presented a Standards Status report (as of September 1998). The Chair also presented the IEEE Standards Companion and other referenced P&P documents critical to the development of standards. [See Attachment H.](#)

### **STD 139**

IEEE Recommended practice for the Measurement of Radio Frequency Emissions from Industrial, Scientific, and Medical (ISM) Equipment Installed on the User's Premises.

- Reaffirmed in 1998

### **STD 140 -**

IEEE Recommended practice for the Minimization of Interference from Radio Heating Equipment

- Reaffirmed in 1995.

### **STD 187 -**

IEEE Standard on Radio Receivers: Open Field Method of Measurement of Spurious Radiation from FM and Television Broadcast Receivers.

- Reaffirmed in 1995.

### **STD 213 -**

IEEE Standard Procedure for Measuring Conducted Emissions in the Range of 300kHz to 25MHz from Television and FM Broadcast Receivers to Power Lines

- Reaffirmed in July 1998. Revision to start.

Action: Osburn – submit PAR for LISN Construction by November 98 SCOM meeting.

**STD 299 -** IEEE Standard method of measuring the effectiveness of the electromagnetic shielding enclosures.

- Published for the first time on April 21, 1998

Action - Ritenour - Submit nomination for Award

### **STD 376 -**

IEEE Standard for the Measurement of Impulse Bandwidth

- Reaffirmed July 1998.

### **STD 377 -**

IEEE Recommended Practice for the Measurement of Spurious Emissions from Land-Mobile Communications Transmitters

- Reaffirmed June 1997.

### **STD 473 -**

IEEE Recommended Practice for an Electromagnetic Site Survey.

- Reaffirmed June 1997.

### **STD 475-1983**

IEEE Measurement Procedure for Field Disturbance Sensor (rf Intrusion Alarm).

- Revision in progress. (Sue Vogel provided the draft changes from draft 4 to 5 for SCOM review).

Action Item: John Osburn – submit final draft for re-circulation to SCOM for comment prior to ballot.

### **STD 1128-1992**

Recommended Practice for RF Absorber Performance Evaluation in the Range 30 MHz to 5 GHz.

- Published in 1998 and is now available.

### **STD 1140-1991**

Standard Procedures for the Measurement of Electric and Magnetic Fields from Video Display Terminals (VDT's) from 5 Hz to 400 kHz.

- Published in June 1994. Review is due in 1998.

Action Item: Secretary prepare for re-affirmation ballot

**STD 1302 -**

Guide for the Electromagnetic Characterization of Conductive Gaskets in the Frequency Range DC to 18 GHz.  
-Published in 1998.

**STD 1309**

IEEE Standard for the Calibration of Electromagnetic Field Sensors.  
-Published 1996

**P1530**

Recommended Practice for the Design and Construction of Calibration Artifacts for Cable and Connector Shielding Test Fixtures for Frequencies from 1Hz to 10GHz  
- Active PAR 1998. W/G Chair Bud Hoeft

**9.0 Action Item Review**

The secretary reported on the status of open action items. The secretary also reported that he had sent an invitation to Mike Hart along with a copy of the SCOM P&P requesting a letter of support. Dr. Perini also indicated a potential candidate for the BoD from South America. **See attachment I.**

**10.0 Next Meeting**

The next meeting is schedule to be at IEEE in New Jersey November 13, 1998.

**11.0 Adjournment**

The meeting was adjourned at 10am

Respectfully Submitted,

David L. Traver - Secretary  
EMC Society Standards Committee

Attachments A to I