

CHAIRMAN'S NOTE:

The minutes are 12 pages long. There are several requests of our Std. Committee contained in these few pages. Please take the time to read and respond. Thanks.

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September 18, 1990

MINUTES OF THE IEEE EMCS STANDARDS COMMITTEE

AUGUST 20, 1990
8:00 TO 10:00 A.M.
Washington D.C. Hilton Hotel
Washington, D.C.

MEMBERS PRESENT

Don Heirman, Chairman	Stephen Berger, Secretary
Ed Bronaugh	Dave Traver
Dan Hoolihan	Gene Knowles
Gene Cory	Risaburo Sato
Jim Parker	Hugh Denny

MEMBERS ABSENT

Leonard Thomas, Sr.	Ralph Showers
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OTHERS PRESENT

Yasuo Akao	David Staggs
George Kunkel	Franz Gisin
Peter Mandle	John Adams
Erling Krog-Jensen	Kinya Soh
Yashio Kami	

ADDITIONAL MINUTES DISTRIBUTION

W/G CHAIRMEN: (Not voting members of the committee.)

George Kunkel (P509)	Don Kerns (P475)
Bob Egan (P1190)	John Osburn (P626)
Anatoly Tsaliovich (P1128)	Dheena Moongilan (P1140)

OTHERS:

Poul Anderson (VTS liaison)	Ed Bronaugh (Pres. EMCS)
Terry deCourcelle (Sec., NESCOM)	Janet O'Neil (Sec. EMCS)

MINUTES

- 1.0 The chairman opened the meeting at 8:00 A.M. and welcomed the attenders (See attachment A - agenda & attachment B - Board of Directors Report).

The agenda was amended by the chair, who added five items of new business:

- 6.6 Anti-Trust Liability
- 6.7 New PAR Form
- 6.8 Standards Medallion
- 6.9 Sales Figures for EMC Standards
- 6.10 Other New Business

- 1.1 The chair. reviewed the qualification for balloting membership on the standards committee. The following requirements developed from the discussion:

- 1. Technically qualified.
 - 2. Willing to make a 2 yr. commitment to membership.
 - 3. Has worked on standards previously, preferably as a W/G chairman.
 - 4. Nominee's company is willing to support participation.
 - 5. Nominee will attempt to recruit a qualified replacement when the nominee leaves the committee.
- (See attachment C)

- 1.2 The chair. asked for recommendations for the committee. No nominations were offered by the members. The chair. requested the members seek to find qualified candidates for the committee

- A.I. F. Gisin expressed his frustration in trying to get involved in the standards process. The chair. responded that he and the sec. would develop a package on what standards are about and how to get involved. The primary purpose will be to explain how members of the society can get involved in standards work.

- 2.0 The minutes of the May 19, 1990, meeting were reviewed. The following corrections were made:

- Para. 1.1 - change open to opened
- Para. 1.2 - change noted to noting
- Para. 3.2 - change turn to turned
- Para. 3.6 - change projected to project
- Para. 6.5 - change C65 to 139

Agenda Para. 1.1 - change perspective to proposed

In addition, the action items were pointed out. The action items from the May 19, 1990 meeting are attached at the end of these minutes.

With these changes the minutes were accepted.

3.0 Review of the standards projects then followed.

3.1 P187

The secretary reported that REVCOM had approved P187 contingent upon satisfactory demonstration of MUG distribution. This issue has been resolved. P187 is proceeding to publication. (See attachment D)

3.2 P299

The chair. reviewed the status of P299. G. Knowles distributed a report on the current status of the project (See attachment E). He also distributed copies of the latest version of the draft, 15.3. This version updates the dictionary used from IEEE Std. 100-1977 to 100-1988, expands the frequency range to match that in the 1988 dictionary and narrows the requirement for non-linear testing.

The sec. then reported that he had requested that REVCOM give provisional approval at their September meeting to the latest draft, pending successful completion of coordination. H. Denny requested a meeting with G. Knowles, E. Bronaugh and D. Cofield to discuss the latest draft. The parties agreed to meet during the symposium.

3.3 P475

The chair. reviewed a letter from the standards office regarding IEEE Std. 475. The office requires a response on the W/G's plans for this standard or it will be automatically withdrawn, per the 5 year rule (See attachment F). The sec. reported that he had spoken with D. Kerns and sent him some information which had been requested. E. Bronaugh said that he had spoken with D. Kerns after the sec. and based on review of the information the sec. sent the inclination was to

A.I. rewrite and update the standard. The chair asked that D. Kerns be contacted by the sec. to get an updated PAR, letter of response to the Standards Office, and schedule, if the decision is to rewrite the standard.

3.4 P482

The chair. opened the discussion by asking the W/G chair., J. Parker, to resolve the confusion as to whether 478 or 482 would be the ongoing project number (See attachment G - W/G report & H - new PAR for 482). J. Parker responded that the

primary interest seemed to be in testing complete cable assemblies, and therefore 482 seemed the logical number. E. Bronaugh was asked why he had favored the use of 478. He responded that his only reason had been to use the lower number, allowing the higher number to be used for a later project. J. Parker responded, in the absence of a compelling reason he would use 482, as he had a completed PAR in hand.

J. Parker continued the report saying that seven different methods were being considered. The logistics of putting all of these methods into one document, as a non-contradictory whole is a huge task. He asked for clarification on how drafts were to be reviewed among the W/G, TC and Std. Com., particularly should disagreements arise. The chair. asked for more specifics so that he could respond in a more helpful manner. J. Parker responded that within TC-4 there were two W/G: one for P509, chaired by G. Kunkel; one for P482, chaired by J. Parker. The question was are the W/G independent committees, responsible to the TC or to the Std. Com. G. Kunkel noted that the original PAR for P509 had come through the Std. Com. Some TC-4 members had suggested the cancellation of this project. Kunkel did not believe that the TC was authorized to cancel a PAR originally authorized through the Std. Com.

The chair. responded that the EMC Society is in a period of transition. This is leading to some degree of understandable misunderstanding. In most other societies, and now in the EMC Society, the TC's sponsor standards. The TC's should suggest a standard. The Std. Com. would then discuss with the TC who should chair the W/G for the suggested standard and who should be represented on the W/G. With the identification of these individuals a PAR would be produced by the W/G chairman. The PAR would normally be reviewed by the TC and after that balloted by the Std. Com. Then the society's liaison to the Institute Std. Board would sign off on the PAR (the liaison is currently D. Heirman).

The final document would likewise be a consensus of the W/G members. It should then be reviewed by the TC. If acceptable to the TC the draft is forwarded to the Society's Std. Com., where it is balloted. If at all possible, all controversies should be resolved in the W/G or TC. However, if this is not possible, a controversy should be forwarded to the Std. Com. for final resolution. As to cancellation of a project the Std. Com. is the body to take this action. However, it would be hoped that such action would only occur following a

A.I. consensus being reached by the W/G and TC. The chair. stated that he would write this discussion in a more formal fashion

for use by the various W/G and TC chairmen. In the interim, these minutes would serve as the committee's opinion. E. Bronaugh asked if this statement would be put to the committee for a ballot. G. Knowles stated that such a statement was appropriate coming straight from the chair. The Chair. said that he intended to put it together and pass it around for comment. However, it seemed inappropriate for a formal ballot. G. Knowles expressed his agreement.

P. Mandle suggested that most Society members are in the dark about the whole structure of the Institute, EMC Society, the Std. Com., TC's and how they interrelate. The Chair. agreed with the statement but said that educating the general membership was a large task to expect from out committee volunteers with limited time to give to standard's work. H. Denny added a comment on the difficulty of getting comments on standards being developed or revised. He suggested putting in the Society's Newsletter central questions facing a standards effort and soliciting input from the general membership. F.

A.I. Gisin felt that this would be helpful to all involved. Each W/G chairman is requested to consider such Newsletter articles.

3.5 P509

G. Kunkel reported that his W/G had a meeting scheduled that evening. There have been many consultations on the issues facing this project with R. Haislmaier, H. Denny, M. Kanda, etc. Testing of gaskets is anything but precise. There is a great gap between the general knowledge of purchasing authorities and the technical people in this field. This difficulty results in a sad state that what is purchased is often not sufficient for the intended task.

The Chair. cautioned that, as this project is contemplating six different measurement methods, it is imperative that two different tests for the same set of conditions not give different results. The W/G must assure that the draft is very clear about when each method is to be used and not used.

The final document must allow one and only one answer to be reached for any given set of conditions.

G. Kunkel reviewed recent developments on the project. He expressed concern as to whether TC-4 desired the project canceled. J. Parker stated that TC-4 wanted to put the project on hold for 6 months to see what SAE would develop on its comparable project. However, TC-4 definitely does not

A.I. want the project canceled at this time. The chair. accepted TC-4's suggestion to hold further work and expects a TC-4 report by 1 qtr. 1991 regarding the continued direction of the project. G. Kunkel requested guidance on the format to

be used in presenting the various tests in the draft. He also

- A.I. requested a copy of the current PAR form. The Sec. offered to send him a standards developers package, which would contain the PAR form and specific instructions for it. The chair. requested that G. Kunkel send him a letter detailing any lingering questions regarding P509.

3.6 P626

The W/G reported that it would meet at the symposium (See attachment H - W/G report). The question of who develops the list for coordination was asked. The chair. responded that the W/G should come up with a list from their knowledge of who should review a given project. The Std. Com. does not give this list to the W/G. The Std. Com. and the New Standards Committee of the IEEE Std. Board will review the coordination list and add any groups which are appropriate.

- The chair. also noted that the submitted PAR had a completion date of 1994. Presently PAR's with proposed completions of greater than 3 years are not being approved. The chair. requested that the PAR be so modified by the W/G chairman.

On an unrelated topic, P. Madle commented on the overlapping meetings being held during the symposium. He suggested that the various TC and W/G meetings should be non-interfering. H. Denny commented that this needed to be an EMCS board issue. In the past the W/G had contacted the symposium chairman directly to arrange a meeting during a symposium. E. Bronaugh agreed. G. Knowles noted that in the past coordination of various meetings could not be done due to the number of meetings and the different organizations represented. P. Madle agreed on the problem with inter-society meetings, however he felt that EMC Society meetings should be coordinated. The chair. said that for 1991 the symposium was suggesting that all meetings be held after the symposium or at nights to allow extra meeting time, which should ease the problem. This is only a suggestion that may or may not be taken by the W/G chairmen.

3.7 P1128

The chair. reviewed the W/G chairman's report for the committee (See attachment I - W/G report and meeting notice)
The next W/G meeting will be held on August 20, 1990, at the 1990 Symposium.

The first draft contains four methods, which are currently under review.

3.8 P1140

The chair. read the W/G chairman's report (See attachment J -

W/G report and attachment K - CISPR Std.). The W/G will be meeting during the symposium. The PAR will probably be extended down to 20 Hz due to the increasing interest in the lower frequency range. Task groups will be established at the meeting to write the various parts of a draft. The draft is to be written by Summer of next year. Due to concern over VDT emissions, parts of the draft pertinent to that concern may be

A.I. accelerated. The sec. was asked to work with the chairman to update the PAR, reflecting the change in frequency range.

3.9 P1190

The W/G will be meeting during the symposium (See attachment L). The new W/G chair. plans to review the input on calibration procedures supplied by EMCO, the FCC, and HP.

The chair. said that it turns out that LISN installation practices are very important to LISN performance. He cited instances of 20 dB differences in readings with the same LISN, due to a difference in how the unit was bonded to the ground plane.

4.0 New Standards/Standards Coordination

4.1 Ideas for New Standards by the TC's

The chair. plans to speak at the TC chairmen's meeting and the radio amateur's meeting encouraging them to sponsor and write standards.

4.2 Prepare list of TC sponsors for present standards

The list, attached to the minutes of the last meeting, was briefly reviewed.

5.0 Old Business

5.1 Review of MUG, Mailing Addresses, Etc.

The sec. briefly reviewed the MUG list and address list.

5.2 Action Items

There was a brief review of the outstanding action items. See the attached action item lists for items which are still open.

6.0 New Business

6.1 Announcement of EMCS TC meetings

The chair. reviewed the TC meetings scheduled for the symposium.

6.2 TC-1 input on EMC Symbols

The sec. reported that he had had no communication from TC-1

regarding this project. The chair. asked the sec. to attend the TC-1 meeting scheduled for the symposium and speak with the TC about sponsoring this project.

6.3 P539 Review

This review has been completed so the chair. closed the action item (See attachment M).

6.4 Standards Week

There will be a standards week in Pittsburg the week of Sept. 24. The chair. pointed out that this would be an excellent place to hold a W/G meeting. There would be considerable support for such meetings. However, due to the short time after this meeting and the symposium, it was premature to schedule another Std. Com. meeting.

6.5 Standards Seminar

The Std. Board is developing seminars on IEEE standards. A certain number of proposals will be accepted each year for funding by the institute. The chair. had called the std. office and found that few had applied this year. Hence, chances of a proposal being accepted are currently excellent.

The intent is to provide a number of seminars presenting various standards and the technology they represent. Having Institute funding makes this a very inexpensive vehicle for furthering EMC education. It would be entirely possible to develop a seminar which presented several related standards, such as our EMC standards. However, submitters should plan on approximately a year from first proposal to first

A.I. presentation. The chair. suggested that this would be an excellent vehicle for the TC's to use as part of the "roll out" of new standards (See attachment N). He is looking for volunteers.

6.6 Anti-Trust Liability

The chair. reported that the Institute has a document on reducing anti-trust liability. This document should be read by all TC and W/G chairmen. E. Bronaugh said that he believed

A.I. that copies were available for free from NIST. The sec. was asked to confirm this and supply the address and ordering details as an attachment to these minutes (See attachment O - Title and ordering information). Another document is also available from the same source on improving U.S. participation in standards work.

[Note: Both documents are available from the IEEE Standards Office c/o Special Publication (201-562-3800) 445 Hoes Ln., P.O. Box 1331, Piscataway, N.J. 08855-1331.]

6.7 New PAR Form

The chair. read the statement on the new PAR form which must be signed by W/G chairmen. There is a great concern about copyright infringement by the Institute. Standards are a key funding source for the Institute. Hence, the Institute is concerned about anything which infringes on standard sales. Conversely it must assure that standards do not infringe on other's copyrights.

6.8 Standards Medallion

The only benefits contributors to standards work get are awards and recognition. To increase the earned recognition of those who do contribute, the standards medallion has been developed. Those receiving this award will be noted in the

- A.I. "Standards Bearer" and at an awards banquet. G. Cory volunteered to head a nominating committee for the EMC Standards Committee.

6.9 Sales of EMC Standards

E. Bronaugh has received from the Std. Office sales information for the various standards the EMC Society

- A.I. sponsors. He was asked to supply this information for the minutes. The chair. said that he would call S. Vogel on getting a compendium of EMC Standards published.

6.10 Other New Business

The Chair. opened the floor for other items. He noted that all EMC Standards were now within the 5 year review cycle window. This is the first time in almost four decades that this has been true.

There was no other new business

- 7.0 The next meeting will be held in conjunction with the BoD meeting in Phoenix on Friday, November 16, 1990.

9.0 Additional attachments

- 9.1 Current Address List (Attachment S).

- 9.2 Current EMCS Std. Committee Projects List (Attachment T).

Respectfully Submitted,

H. Stephen Berger
Secretary

EMC Society Std. Committee

ACTION ITEMS
 ARISING AT THE
 NOVEMBER 29, 1989 EMCS STANDARDS COMMITTEE MEETING

MIN SEC	RESPONSIBLE PERSON	ACTION ITEM	COMPLETION DATE /COMMENTS
3.4	D. Kerns	Ballot P475 for reaffirmation or submit new PAR.	
3.6	J. Parker	New PAR's needed for P478 & P509.	

FEBRUARY 21, 1990 EMCS STANDARDS COMMITTEE MEETING

MIN SEC	RESPONSIBLE PERSON	ACTION ITEM	COMPLETION DATE /COMMENTS
3.4	D. Kerns	New PAR for P475 needed.	
3.6	J. Parker	New PAR for P509	
3.9	D. Moongilan	New PAR for P1140	

ACTION ITEMS

ARISING AT THE

MAY 19, 1990 EMCS STANDARDS COMMITTEE MEETING

MIN SEC	RESPONSIBLE PERSON	ACTION ITEM	COMPLETION DATE /COMMENTS
1.2	Members	Submit nominations for Std. Com. members to chair.	
3.0	W/G Chairmen	Submit report for minutes.	
3.4	Kerns	Respond to Std. Office Letter	
3.7	Osborn	Change title to reflect that the project is "from an EMI perspective".	
6.1	Vogel	Investigate what would be required to publish a collection of EMI standards.	
6.3	Carstensen	Respond on TC-1's interest in the EMC drafting symbols project.	

ACTION ITEMS
 ARISING AT THE
 AUGUST 20, 1990 EMCS STANDARDS COMMITTEE MEETING

MIN SEC	RESPONSIBLE PERSON	ACTION ITEM	COMPLETION DATE /COMMENTS
1.2	Chair/Sec	Develop Stds. involvement package.	
3.0	W/G Chairmen	Submit report for minutes.	
3.3	Kerns	Submit PAR, letter to Std. Office and schedule.	
3.4	Chair.	Write a description of the correct working relationship between the TC's, W/G's and Std. Com.	
3.4	W/G Chairmen	Consider preparing a Newsletter article on W/G project and how others can get involved.	
3.5	TC-4	Report to chair regarding direction of P509 by 1 qtr. 1991.	
3.5	Sec.	Send G. Kunkel Std. Package.	8/23/90
3.5	Kunkel	Write chair. stating questions regarding P509.	
3.6	Osburn	Amend PAR per chair.'s instructions.	
3.8	Moongilan	Submit PAR with new freq. range.	
6.2	Sec.	Attend TC-1 meeting and inquire reg. sponsorship of EMC Symbols project.	8/20/90
6.5	TC Chair.	Investigate use of Institute supported Std. Seminars.	
6.6	Sec.	Supply ordering info. on anti-trust document.	8/24/90
6.8	Cory	Supply chair. with nominees for Std. Medallion award.	
6.9	Bronaugh	Supply sales info. for minutes.	

6.9 Chair. Contact S. Vogel on EMC Std. Compendium