

**IEEE ELECTROMAGNETIC COMPATIBILITY SOCIETY
EMI CONTROL TECHNICAL COMMITTEE – TC-4**

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11 October, 2009
MINUTES OF THE IEEE EMI CONTROL TECHNICAL COMMITTEE – TC-4
20 August, 2002
Minneapolis, Minnesota

MEMBERS PRESENT

Bob Scully - Chair Dan Modi - Vice-Chair

Kermit Phipps – Secretary, Chairman of P1560

Lothar Hoeft - Chairman of P1350

Richard Mohr – Past Chair
Croisant

Rafik Stepanian William

Vil Arafiles

Mike McKinnerny

Mark Stanton

John Kraemer

Buzz Brezinski

MEMBERS ABSENT

David Laarabee

Nissen Isakov

Kwok Soohoo

Paul Cook

OTHERS PRESENT

George Kumkel - Past Chair

Ed **xxxxx**

EMI CONTROL TECHNICAL COMMITTEE – TC-4
Minutes Summary Tuesday August 20, 2002

0.0	Call to Order	Scully
1.0	Approval of Agenda	Phipps
2.0	Review Role of TC4	Phipps
3.0	Approval of 2001 Annual Meeting Minutes	Phipps
4.0	Review of TC4's Work Over Past Year	
	Scully/Phipps	
5.0	TC4 Plans for Year 2002 / 2003	Scully
6.0	Review of Long-Range (5 year) Plan	Phipps
7.0	IEEE Website	Scully
8.0	Other Topics/Issues	Phipps
9.0	Close & Selection of Venue / Time of Next Meeting	Scully
10.0	Adjournment	Scully

MINUTES –Tuesday 20 August, 2002
IEEE EMCS EMI CONTROL TECHNICAL COMMITTEE – TC-4

12:00 p.m. to 2:00 p.m.

0.0 Call to Order & Introductions -

The Chair, Bob Scully, opened the TC4 meeting at 12:00 p.m. There were 11 attendees.

1.0 Approval of Agenda

The day's agenda was presented by the Secretary, Kermit Phipps, at 12:15 p.m. and was approved by vote with no changes.

2.0 Review Role of TC4

The Chair, Bob Scully opened the review and discussion for the new Charter of TC4 at 12:25 p.m.

3.0 Approval of 2001 Annual Meeting Minutes

The Secretary, Kermit Phipps, reviewed the 2000 Annual Meeting Minutes at 1:00pm. The Meeting Minutes were approved by vote with changes. (Lothar Hoeft First, John XXXX Seconded)

4.0 Review of TC4's Work Over Past Year

The Chair, Bob Scully, presented the group with the following outline of work accomplished:

- **TC-4 TECHNICAL PAPERS REVIEW**
An important task of the committee is the yearly review of technical papers for the EMC Symposium. For the 2001 symposium in Minneapolis, Minnesota, the committee members reviewed a total of 96 papers. This year the reviews were shared by 11 committee members who reviewed an average of 20 papers each. The reviews were favorable for 91 of the papers. Of the remaining 5, 0 received a split review; rejection was recommended for the remaining 5 papers.
- **STANDARDS DEVELOPMENT**
Another important task of the Committee is the development of standards within our areas of expertise. Currently there are two (2) sub-committees in the process of developing standards as follows.

1. TC-4 Sub Committee for P1350

Dr. Hoeft – Chairman of P1350 presented the current issues of P1350: P1350 has been, withdrawn for the time being. TC-4 adopted P1350 as a technical project headed up by the Dr. Hoeft and the past P1350 group. Dr. Hoeft to report on meeting. Dr. Hoeft asked that they have continued support from TC-4 for meetings in terms of funding if possible.

2. Working Group P1560

The working group has been meeting twice a year, once at the EMC Symposium and once outside of the symposium in Pennsylvania and is effectively using e-mail. The standard is posted on a website and FTP site for the working group members. The site is to be used by members to continue work over the next year. Progress is being made but

is rather slow. The group is still working on the LISN issue. The working group is submitting a new PAR to change the title to reflect Power Line Filters to Focus on the scope of the standard. The SDCOM is worried that the working group may not be able to complete the project on time, but the working group stays optimistic that the standard will be completed, but at the same time put in for a one-year extension.

5.0 TC4 Plans for Year 2003

The Committee passed at 1:15 that the Signal Integrity did not fall under TC-4. There is a new TC that handles this scope (TC-10).

The Committee members voted at 1:30 that the Charter shall be pass and submitted as rewritten and that the name of the group should be TC-4 Electromagnetic Interference Control Technology (**Bob Scully Frist, Rafik Stephanian Second**)

TC-4 would continue to support paper review.

6.0 Long-Range (5 year) Plan

The Chair Bob Scully, and the Secretary Kermit Phipps, presented the past five-year plan for review and discussion as part of TC-4's self check plan.

1. Paper Review
2. Support Standards Development
3. Provide Workshops/Tutorials
4. Support the Web-Site (TC-4)

Rafik Stephanian, Lothar Hoeft, and Kermit Phipps are to develop a workshop with demos for the EMC Symposium in 2004. This workshop would be a ½ day for transfer impedance, and ½ day for power line filters and test methods to help promote P1560 and **P1530**.

Mark Stanton moved that a subcommittee be formed for the Work Shop, Bob Scully Second, George Kumkel was elected chair by unanimous vote for the sub-committee and to head up the work shop development for Transfer Impedance and Filter Measurement.

7.0 IEEE Web-Site

The Chair, Bob Scully, reported that the TC-4 Website is up and explained how to reach the link within the IEEE EMC Website. The secretary, Kermit Phipps is to provide past and present meeting minutes to populate the site.

8.0 Other Topics/Issues

George Kumkel – Past Chair of TC-4 spoke about early problems that TC-4 had faced, and how well the group has taken shape.

Bob Scully present chair stressed the importance of volunteers and that all members should be active by e-mail and responsive to requests.

Rafik Stephanian asked how the paper reviews were handled in the past and how may we handle them in the future. Bob Scully discussed briefly the details of what should be the proper review format. Papers are to be submitted to the IEEE Support Group, then to the TCs. The papers

should be PDF format in the future. There was considerable discussion and input provide Dr. Croisant and Buzz Brezinski

9.0 Close and Selection of Venue/Time of Next Meeting

At 2:15 the Chair, Bob Scully requested input for the next meeting time. The Members agreed that the next annual meeting would be held at Boston, Mass at the EMC 2003 Symposium. The Meeting will be held on Tuesday from 12:00 - 2:00 p.m. Buzz Brezinski moved first, Vil Arafles second.

10.0 Adjournment

The Chair, Bob Scully, closed the meeting at 2:20 p.m.

Submitted,

Kermit O. Phipps

Kermit O. Phipps -Secretary
EMC Society
TC4 Group