

**IEEE ELECTROMAGNETIC COMPATIBILITY SOCIETY
TECHNICAL ADVISORY COMMITTEE (TAC)**

Monday 17 August, 2009

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IEEE ELECTROMAGNETIC COMPATIBILITY SOCIETY TECHNICAL ADVISORY COMMITTEE (TAC)

Monday 17 August, 2009

MEMBERS PRESENT

Bruce arch – Chair	Jun Fan – Vice-Chair	Kermit Phipps - Secretary
TC-1 – Doug Kramer		TC-2 – Don Heirman
TC-3 – Dave Southworth		TC-4 – Kermit Phipps
TC-5 – Bill Radasky		TC-6 – Larry Cohen
TC-7 – Absent		TC-8 – Richard Georgerian
TC-9 – Chuck Bunting		TC-10 – Jun Fan Representing
TC-11 – Chris Holloway		

OTHERS PRESENT

Elya Joffe – EMCS President
Bob Scully – TAC Past Chair – VP Technical Services
Kimball Williams – TC-1 Secretary
Brian Lawrence – iNARTE
Kathy Lawrence – iNARTE
Clifford Hauser – TC-6 Vice Chair
Tom Fagan – TC-2 Vice Chair

Conferees Email addresses and affiliations.

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Don Heirman	d.heirman@ieee.org	Don Heirman Consultants
Chris Holloway	Holloway@boulder.nist.gov	NIST

MINUTES – Monday 17 August, 2009

IEEE EMCS TECHNICAL ADVISORY COMMITTEE – TAC

7:00 a.m. to 9:00 a.m. (Part 1)

1.0 Call to Order & Introductions -

The Chair, Bruce Archambeault, opened the TAC meeting at 7:00 a.m. There were 17 attendees with 13 active members present.

2.0 Consent Agenda Motions

The Consent Agenda Motions presented by the Chairman was approved by motion with no changes. Don Heirman moved to approve the motions, Bill Radasky seconded the motion.

2.1 Approve 2009 Agenda

2.2 Approve August 2008 Telecom Meeting Minutes

2.3 Future TAC Meeting Schedule

28 Oct 2009 Wednesday (telecon)

23 Feb 2010 Tuesday (telecon)

20 May 2010 Thursday (telecon or in-person) 2010 symposium session planning

19 & 22 July 2010 face-to-face TAC meetings at Symposium

26 Oct 2010 Tuesday (telecon)

3.0 Project Authorization Request

The overview of Project Authorization Requests was delayed as Kermit Phipps was not present.

4.0 TAC Manual

[Action Item](#) for Don Heirman and Kermit Phipps, to review the TAC manual and update for the May 2010 Meeting.

5.0 Report from Russia EMC Conference

Elya Joffe presented on the Russia EMC Conference, main issues were organization, papers were not assigned in an orderly fashion or grouping and was performed at the last minute. Second main issue was the translators. Bill Radasky indicated that the translations were inadequate and not effective. Entire sessions were cancelled. The Russian EMC Conference failed to meet the standard of "Quality" expected by the IEEE EMCS. It was recommended that we would not support this activity in the future for co-sponsorship, the IEEE EMCS has a zero tolerance for violation of the MOU agreements, papers need to have full review and is endorsed by the Board of Directors.

The Chair, Bruce Archambeault asked if we had a list of "Bad Conferences" and associated comments and stated the importance of such historical information. It is important that TAC maintain such a list to aide future decision in the support of its role to the BoD.

Bill Radasky suggest that a excel spread sheet should be made for such a function with a rating of 0 – 10, with the Russian conference with a 0.

Tom Fagan stated that he thought there was suppose to be a web link to such information for the TAC members with a common password.

An [action item](#) was appointed to Jun Fan to determine how to get such historical information on the conferences that were co-sponsored.

5.1 Report from Kyoto EMC Conference

Elya Joffe presented on EMC Conference in Kyoto, Japan. There was a good welcome and as expected there were excellent technical papers, and the symposium was run with the expected High Quality of a Co-sponsored EMC Symposium.

6.0 Technology Navigator

Elya Joffe presented an overview of the Tech Navigator and explained that additional support was needed to continue to populate key words and tagging. Elya Joffe asked TAC to support efforts in detailed mapping and visual navigation tools, the Chair, Bruce Archambeault stated that these additional levels did not fall under the reasonability of the TAC and TAC would not support this particular effort. However, the TC Vice-Chairs should continue the support for tagging.

An [action item](#) was assigned to the Secretary, Kermit Phipps is to send the Password and Username to the TC Vice Chairs.

7.0 Organization of TAC

Elya Joffe presented on the possible restructuring of the TCs reporting the TAC. An overview of those TCs which might be combined, split, and or dissolved was given. A detailed roadmap was given which showed equivalent IEC alignment where applicable.

A discussion about TC 8 was pursued after the presentation. TC 8 was formed to help spin off the Product Safety Society. Having completed the original function of its existent it was decided by vote to be maintained but to be removed from the current TC activities. TC 8 new role would be to act as a liaison to the EMC Society Technical Services and become part of EMCS RAC.

The Chairs of the TCs were asked to report back during the second TAC meeting of the Symposium as to what each TCs position and support would be for this proposed reorganization.

[Action Item](#) for Elya Joffe, to propose policy/procedures for reorganization of TAC/TCs.

[Action Item](#) for Secretary, Kermit Phipps, obtain presentation summary from Elya Joffe to add to the minutes, need a road-map, mile stones and details of time line for reorganization.

Dave Southworth agreed that TC-3 be split-up into the new TC construct for the environments that Elya Joffe proposed. Bruce Archambeault will contact TC-3 and discuss topic.

Cliff Hauser asked if there was going to be additional managers for the different cluster of TCs? Elya Joffe, recommended that there should not be additional layers of management to be added, as the TAC existing system is adequate.

Bruce Archambeault suggested perhaps a best paper might be awarded from each cluster.

There was some discussion about creating "interim" TC, Bruce Archambeault; the Chair, stated that there should not be an interim TC but rather a working group should be established to determine which areas of interest the EMC Society members may have, and then establish the new TCs accordingly.

The Chair, Bruce Archambeault suggest to the Kermit Phipps, current chair of TC-4 to consider breaking up TC-4. Kermit Phipps indicated that it PCB should leave the group, and would discuss the breaking down of TC-4 into smaller subgroups with the group members.

Tom Fagan indicated that it was hard enough already to attend the different TC meetings as it was, and did not see why more sub-groups should be created. There was no challenge or other comments about the subject matter.

8.0 New Business & Agenda for Thursday TAC Meeting

Brian Lawrence and Kathy Lawrence of iNARTE reported on current status and progress of the question pool review, and requested continue support. Bill Radasky indicated that he was happy with the current system for reviewing the questions. No negative comments offered by the other TCs. Brian Lawrence discussed the Japanese INATRE question pool, by general consensus the Japanese will review their own question pool. The TAC will continue to support the iNARTE question pool review for the United States.

Kimball Williams indicated that we should have the paper reviewers new/old to submit their bio/resume to help determine current areas of expertise to aid in the review of papers.

Kimball Williams asked about additional reviewers for the Automotive Society and rather they should send their resumes to TAC. The Chair Bruce Archambeault, said there was not need for resumes and there would be no vetting of TCs. Instead an [action item](#) was assigned to Kimball William, to form a working group and come back with a list of reviewers for the Automotive Society and iNARTE reviews.

3.1 Project Authorization Request

Kermit Phipps presented the importance of the IEEE Patent Disclosure Slides and that it was the EMC Society policy that not only the standards working groups present the slides but that each TC meeting should be started off with the presentation of the Patent Disclosure slides. Kimble Williams confirmed this policy. The second issue or recommendation was that each TC should be aware of any standards activities that fall under its purview and that these standards activity should be reporting to the TCs. The intent is that if the standard working group should require additional help or representation to the Standards Development Committee, which TCs officer should report to the SDCom on behalf of the working group. Also, if the SDCom is not receiving appropriate reports and status of the working groups then the SDCom has another reporting mechanism in place.

[Action Item](#) for the Secretary Kermit Phipps to e-mail the Patent Slides to all of the TC Chairs.

[Action item](#) for Bruce Archambeault, to contact Andy Drozd about ongoing standard projects and to send list to the TC Chairs for review.

9.0 Review of Action Items from Meeting

1. The Chair, Bruce Archambeault stated that the Secretary should start keeping an action item list for each meeting and review at the end of the each meeting to ensure that all action items were captured and their current status.
2. Don Heirman and Kermit Phipps to review and update TAC handbook by May.
3. The Secretary Kermit Phipps to e-mail the Patent Slides to all of the TC Chairs.
4. The Vice-Chair, Jun Fan is to determine how to get historical information on the conferences that were co-sponsored and develop the Matrix for such conferences to aid in the decision for recommending co-sponsorship in the future.
5. Elya Joffe to e-mail the reorganization plan to the Secretary.
6. The Secretary, Kermit Phipps is to e-mail the reorganization plans to the TC Chairs for discussion during their next meeting.
7. All Chairs are to report back on the Reorganization Plan at the Thursday TAC meeting.

8. Bruce Archambeault, to contact Andy Drozd about ongoing standard projects and to send list to the TC Chairs for review.
9. Kimble William, to form a working group and come back with a list of reviewers for the Automotive Society and iNARTE reviews.

10.0 Adjourn

IEEE ELECTROMAGNETIC COMPATIBILITY SOCIETY TECHNICAL ADVISORY COMMITTEE (TAC)

Thursday 20 August, 2009

MEMBERS PRESENT

Bruce arch – Chair	Jun Fan – Vice-Chair	Kermit Phipps - Secretary
TC-1 – Doug Kramer		TC-2 – Don Heirman
TC-3 – Dave Southworth		TC-4 – Kermit Phipps
TC-5 – Bill Radasky		TC-6 – Larry Cohen
TC-7 – Absent		TC-8 – John Barnes
TC-9 – Chuck Bunting		TC-10 – Antonio Orlandi
TC-11 – Chris Hollway		

OTHERS PRESENT

Elya Joffe – EMCS President
Randy J. Jost – BoD Member
Bob Scully – TAC Past Chair – VP Technical Services
Kimball Williams – TC-1 Secretary
Ross Myrewn TC-1 Vice Chair
Tom Fagan – TC-2 Vice Chair
Xiaoning Ye – TC10 Secretary
Ed Hare – SDCOM Secretary
Brian Cramer EISI
Jerry Ramie – ARC Technical

Conferees Email addresses and affiliations.

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Brian Cramer	bcramer@EISlxxx.com	EISI

MINUTES – Thursday 20 August, 2009
IEEE EMCS TECHNICAL ADVISORY COMMITTEE – TAC

7:00 a.m. to 9:00 a.m. (Part 2)

1.0 Call to Order & Introductions -

The Chair, Bruce Archambeault, opened the TAC meeting at 7:00 a.m. There were 20 attendees with 13 members present.

2.0 TC-1 – TC-11 Presentations

Each TC presented a status report by power point which was loaded on the Chair's Computer

2.1 Activities/Plans/Status Changes

Bill Radasky complained about the template problem which has not been resolved misnaming TC-5 as High Power Electronics instead of High Power Electromagnetics.

TC-7 Meeting for 2009 Symposium was cancelled, but four showed up.

2.2 TC Officers, Web sites, Charter

TC-4 Held Officer Elections with Kermit Phipps stepping down as Chair to fill other EMCS officer and member positions. John Archer moved to Chair, Philip Keebler mover to Vice-Chair, and Dr. David Larrabee was elected by majority vote as Secretary with no opposition.

[Action Item](#) for Kermit Phipps, to get current TC-4 Officers E-Mail Address

3.0 Multiple Best Paper

Discussion postponed to future meeting

4.0 Technical Co-Sponsorship

Not Discussed

5.0 Organization of TAC Continued Discussion/Plans

Don Heirman spoke about clustering in general and necessity for keeping the TCs current with the latest trends in EMC and removing those that do not make sense to continue their activities in low interest areas.

John Barnes of TC-8 stated that TC-8 would like to remain as an active TC but would not oppose to joining TC-4.

Kermit Phipps stated that TC-4 would only absorb those areas on TC-8 which would deal with EMC safety such as leakage current from filters, EMF, RF and absorption Rate and others. Also, that TC-4 would consider to split into smaller sub-groups, Grounding, Filtering, Shielding, and Safety.

Bob Scully discussed that TC-8 should move into more of a representative role under VP for Technical Services.

After the discussion, and comments from Elya Joffe and Bruce Archambeault, it appeared in general session that TAC was in agreement with this move. A motion was called for by the Chair, to recommend to the BoD to dissolve TC-8 as an active TC and move its reporting responsibility to VP of Technical Services as a representative role (RAC) to the newly developed Product Safety Society. Don Heirman made the motion, and Bill Radasky seconded, and the motion passed with no opposition.

The Chair Bruce Archambeault led the discussion regarding issues with TC-7 having low attendance problems and to having a similar charter role which would indirectly be absorbed by TC-5. After much debate it was moved to dissolve TC-7 with no further acting role within the EMCS. Don Heirman made the motion, with Tom Fagan second, and the motion passed with no opposition.

Action Item for Bruce Archambeault is to contact Dr. Sabbath about dissolving TC-7 completely from inactivity and low attendance and lack of clear charter that did not already exist within TC5.

5.1 New Business

There was discussion over concerns that the technical papers would not fall under review by the TAC for the 2010 EMC Symposium. After a brief discussion by the TAC in general, the Chair assigned an **action item** to Bob Scully, the VP of Technical Services to speak to the VP of Conferences to convey that the responsibility of reviewing papers for the conference is the responsibility of the TAC. A similar **action item** was given to Elya Joffe, President of the EMCS to speak to the board of directors about this concern.

Antonio Orlandi suggested to the Chair that the meeting rooms should be closer to the vendor exhibit area.

Chris Holloway expressed his concern about the stacking similar sessions together, where people could not make more than one session of similar or related areas.

A question was raised about loading the presentations done at the symposium on the papers given. An **action item** was given to Jun Fan, the Vice-Chair to find out the legal ramifications of doing this.

The next TAC in-person meeting is to be held in May to sort the conference papers into sessions. The location would be Washington D.C., Don Heirman proposed that the IEEE Headquarters be used as an optional location if required.

At this time the Chair and Vice-Chair had to leave the meeting due to session chair responsibilities. The meeting was continued with the Secretary presiding the meeting.

Don Heirman gave a brief presentation on the Smart Grid Activity, but stated that there was no activity regarding the concern for EMC. From this discussion an **action item** was brought forth that Ed Hare the Secretary of SDCOM should send the current presentation on the Smart Grid to the TAC members.

Bill Radasky has been working with resolving low frequency phenomenon and suggested perhaps adding papers or a special session on power disturbances involving EMC issues, and would like to invite Dr. Kai-Sang Lock and Dr. Magnus Olofsson. Perhaps establishing the new TC on Low Frequency Phenomenon. **Action Item** for Elya Joffe to contact Dr. Kai-Sang Lock and Dr. Magnus Olofsson regarding participation.

Elya Joffe suggested that ESEC and TAC should not meet at the same time as they conflict with his ability to attend them both.

6.0 Review Action Item List from Meeting

1. **Action Item** for Bruce Archambeault is to contact Mr. Sabbath about dissolving TC-7 completely from inactivity and low attendance.

2. **Action item** to Bob Scully, the VP of Technical Services to speak to the VP of Conferences to convey that the responsibility of reviewing papers for the conference is the responsibility of the TAC.
3. **Action item** was given to Elya Joffe, President of the EMCS to speak to the board of directors about the concern of TAC reviewing technical papers for EMC 2010.
4. **Action item** was given to Jun Fan, the Vice-Chair to find out the legal ramifications of posting ppt on papers presented.
5. **Action item** was brought forth that Ed Hare the Secretary of SDCOM should send the current presentation on the Smart Grid to the TAC members.
6. **Action Item** for Elya Joffe to contact Dr. Kai-Sang Lock and Dr. Magnus Olofsson regarding participation.

7.0 Adjourn

The Secretary, Kermit Phipps motioned that the meeting should be closed with not further business, Don Heirman first motion, with Chuck Bunting second, with no opposition.

**IEEE ELECTROMAGNETIC COMPATIBILITY SOCIETY
TECHNICAL ADVISORY COMMITTEE (TAC)
ACTION ITEM TRACKER**

Current Action Items

Action Item #	Subject	Responsible Person	Status	Deliverable Date
17Aug #01	review and update TAC handbook	Heirman, Phipps	Open	May/2010
17Aug #02	e-mail Patent Slides TC Chairs	Phipps	Closed	8/17/2009
17Aug #03	Obtain Historic Information on Co-Sponsored EMC Symposiums	Fan	Open	TBD
17Aug #04	e-mail the reorganization plan to the Secretary	Joffe	Closed	8/17/2009
17Aug #05	e-mail the reorganization plans to the TC Chairs	Phipps	Closed	8/17/2009
17Aug #06	TC Chairs to Report on the Reorganization Plan	TC Chairs	Closed	8/20/2009
17Aug #07	Action Item Tracking List to Be Generated	Phipps	Closed	TBD
17Aug #08	Contact Andy Drozd about ongoing standard projects and Send Information to TC Chairs	Archambeault	Open	May/2010
17Aug #09	Form Working Group and Develop List of Automotive EMC Reviewers and iNARTE	Williams	Open	Dec/2009
20Aug #1	("?Charter for Review?" I did not capture this one.)	Scully	Open	TBD
20Aug #2	Contact Mr. Sabbath about dissolving TC-7	Archambeault	Open	ASAP
20Aug #3	Speak to the VP of Conferences to convey that the responsibility of reviewing papers for conferences is the responsibility of the TAC	Scully	Open	ASAP
20Aug #4	Speak to the board of directors about Conference Paper Review by TAC, TAC Responsibility.	Joffe	Open	Next BoD Meeting
20Aug #5	Legal ramifications of posting ppt on papers presented.	Fan	Open	ASAP
20Aug #6	Send the current presentation on the Smart Grid to the TAC members, Kermit Phipps will Distribute	Hare	Open	ASAP
20Aug #7	Contact Dr. Kai-Sang Lock and Dr. Magnus Olofsson regarding participation in LF Phenomena regarding EMC Workshop and New TC	Joffe	Open	ASAP

Historical Action Items (Place Holder Only)

Action Item #	Subject	Responsible Person	Status	Deliverable Date
17Aug #01	review and update TAC handbook	Heirman, Phipps	Open	May/2009
17Aug #02	e-mail Patent Slides TC Chairs	Phipps	Closed	8/17/2009
17Aug #03	Obtain Historic Information on Co-Sponsored EMC Symposiums	Fan	Open	TBD
17Aug #04	e-mail the reorganization plan to the Secretary	Joffe	Closed	8/17/2009

17Aug #05	e-mail the reorganization plans to the TC Chairs	Phipps	Closed	8/17/2009
17Aug #06	TC Chairs to Report on the Reorganization Plan	TC Chairs	Closed	8/20/2009
17Aug #07	Action Item Tracking List to Be Generated	Phipps	Closed	TBD
17Aug #08	Contact Andy Drozd about ongoing standard projects and Send Information to TC Chairs	Archambeault	Open	May/2009
17Aug #09	Form Working Group and Develop List of Automotive EMC Reviewers and iNARTE	Williams		
17Aug #10				

IEEE ELECTROMAGNETIC COMPATIBILITY SOCIETY TECHNICAL ADVISORY COMMITTEE (TAC)

TC Officers

Technical Committee	Position	Name	e-mail	Phone
TC-1	Chair	Doug Kramer	dokramer@ieee.org	
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	Secretary	Kimball Williams	k.williams@ieee.org	
TC-2	Chair	Don Heirman	d.heirman@ieee.org	
	Vice-Chair	Tom Fagan	tjfagan@ieee.org	
	Secretary	Clifford Hauser	clifford.hauser@ieee.org	
TC-3	Chair			
	Vice-Chair			
	Secretary			
TC-4	Chair	John Archer		
	Vice-Chair	Philip Keebler		
	Secretary	Dr. David Larrabee		
TC-5	Chair	Bill Radasky	wradasky@aol.com	
	Vice-Chair			
	Secretary			
TC-6	Chair	Larry Cohen	Lawrence.Cohen@nrl.navy.mil	
	Vice-Chair	Karen Dyberg	kdyberg@ieee.org	
	Secretary	Clifford Hauser	clifford.hauser@ieee.org	
TC-7	Chair			
	Vice-Chair			
	Secretary			
TC-8	Chair	John Barnes	jrbarnes@iglou.com	
	Vice-Chair			
	Secretary			
TC-9	Chair	Chuck Bunting	cbunting2000@yahoo.com	
	Vice-Chair			
	Secretary			
TC-10	Chair	Antonie Orlandi	Antonie.orlandi@univaq.it	
	Vice-Chair			
	Secretary	Xiaoning Ye	Xiaoning.ye@intel.com	
TC-11	Chair	Chris Holloway	holloway@boulder.nist.gov	
	Vice-Chair			
	Secretary			
TC-12	Chair			
	Vice-Chair			
	Secretary			