

Minutes  
 IEEE-EMCS Standards Development Committee  
 Monday, August 8, 2005  
 Wednesday, August 10, 2005  
 Navy Pier, Chicago, IL

Part 1 – Monday August 8, 2005

1. Meeting called to order at 8:15 am  
 Attendance

<b>Committee Members</b>		Present 8/8/2005	Present 8/10/2005	E-Mail
		X	X	
Stephen Berger	Chair			stephen.berger@cox- internet.com
Nigel Carter		X	X	njcarter@qinetiq.com
Andrew Drozd		X	X	a.d.drozd@ieee.org
Ed Hare		X	X	W1rfi@arll.org
Donald Heirman		X	X	<a href="mailto:d.heirman@ieee.org">d.heirman@ieee.org</a>
Fred Heather		X	X	<a href="mailto:heatherf@ieee.org">heatherf@ieee.org</a>
Daniel Hoolihan		X		hoolihan@citlink.net
Elya Joffe		X	X	Eb.joffe@ieee.org
Prof Risaburo Sato				
Werner Schaefer				
Ralph Showers		X	X	showers@seas.upenn.edu
David Staggs		X		Cmmdrzap@aol.com
Donald Sweeney		X	X	dsweeney@dlsemc.com
Kimball Williams		X		<a href="mailto:k.william@ieee.org">k.william@ieee.org</a>
Perry F. Wilson		X	X	pfw@boulder.nist.gov
Michael Hart	Sec'y	X	X	mjhart@quantumchange.com
<b>Other Attendees</b>				
John Norgard		X	X	John.norgard@rl.af.mil
Tom Fagan		X		tjfagan@ieee.org
Jerry Ramie		X		jramie@arctechical.com
Dale Svetanoff	WGC	X	X	dgsvetan@rockwellcollins.com
Maria Sabrina Sarto	WGC		X	Mariasabrina.sarto@uniroma1.it
William Croisant	VWGC		X	<a href="mailto:w.croisant@ieee.org">w.croisant@ieee.org</a>
Kermit Phipps			X	<a href="mailto:kphipps@eprisolutions.com">kphipps@eprisolutions.com</a>
Roland Gubisch			X	Roland.gubisch@intertek.com
John Kraemer	WGC		X	jkraemer@rockwellcollins.com
Randy J. Jost			X	r.jost@ieee.org

2. Agenda approved (Moved Andy, Seconded Kimball)
3. Minutes of last meeting discussed (Moved Williams, Seconded Hare)
4. BPL Presentation by Ed Hare
  - a. He has setup an email reflector (using arll resources)
  - b. Discussion of the scope of the PAR followed. Steve Berger suggested adding specific concerns for

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- i. Demodulated Signals to Bio medical instrumentation
    - ii. Impact of Modulated Waveforms on signals
  - c. Ed Hare suggested we coordinate BPL activities with Medical instrumentation. Members of the committee volunteered names of potential contacts.
  - d. Ed discussed the FCC measurement procedure for BPL and its impact on his orientation.
  - e. Steve asked for and received comments on a clarification of the overlap with 1775.
  - f. A general comment arose that we should, as a group, encourage members to join the working group for both BPL and 1775.
  - g. Steve shared comments on his attendance at the last 1775 meeting. There was resistance on their part to coordinate meeting schedules with the IEEE.
  - h. It was agreed that Ed should obtain IEEE permission to post BPL papers on web-sites for working group purposes.
  - i. Dale Svetanoff explained results of Cedar Rapids BPL experiment.
  - j. Don Heirman requested that as many members as possible register to vote on 1775.
  - k. Ed Hare, who is a member of 1775, agreed to circulate the current working documents to the SDCom group.
5. 1309 Amendment Presentation by Nigel Carter
- a. Nigel Carter discussed PAR direction and plans for drafting studies. He discussed coordination with other groups (specifically 77/454/CD)
  - b. Annex issued June 2005 by 77 for comment and discussion.
  - c. Discussed scope of 1309 with regards to his scope.
  - d. Ralph Showers suggested that comments be made by September to allow his submission to meet IEC deadline for comments.
  - e. 1309 approved June 16, 2005
6. LRM Presentation by Fred Heather
- a. Meeting scheduled for Thursday. There was an email, courtesy of Don Sweeney, soliciting membership in the Working Group.
  - b. A general discussion followed on the general structure of the draft document and goals of the committee.
  - c. NESCOM Approval status is unknown

**ACTION ITEM:** For Mike Hart, find and report status on LRM PAR.

- d. Primary structure of Working Group will be by telephone conference calls. This fits with desire by Fred to meet regularly but inability to travel for some members.

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- e. Fred asked for guidance on budgeting for telecom and meetings. A general discussion followed on the P&P and Budget limits for standards activities.
- 7. General Discussion of meeting schedules for SDCom and the budget implications. It was agreed that we had not coordinated meetings well for this symposium and need to coordinate this better in the future.
  - a. Steve and Mike will setup a better coordination channel with Vita for next year. We need to create a standard form for meeting scheduling.

**ACTION ITEM:** Mike to speak with Vita and next year coordinate meeting schedule and budget.

- b. Andy Drozd look up P&P and verified that WG chairs are supposed to coordinate this with Chairman and Secretary.
- 8. Don Heirman discussed Legal and Financial impact of SDCom activities.
  - a. Membership needs to be indentified to get insurance protection. Each working group chairman should make sure each meeting has accurate rolls taken. Non-members who are present should be encouraged to join.
  - b. Secretary needs to maintain list of all Working Groups and their membership.
- 9. Std 299 Presentation by Dale Svetanoff
  - a. Passed Revision with 1 Negative Ballot with comments.
  - b. Meeting Scheduled to discuss comments and address issues. Document needs final editing.
  - c. Target date for completion is 8/31/2005
  - d. 2 members are dedicated to getting this revised.
  - e. Dale is asking Mark Bushnell to assume Co-Chairmanship
  - f. Don Sweeney discussed technical problems in getting figures created accurately. IEEE charges for this service (fairly expensive in his view). Finding competent people needs to be addressed.
  - g. Don Sweeney requested that we put a little more pressure on WG Chairpersons to meet schedules or address management problems earlier.
  - h. Recirculation of this document will be required after September editing changes
- 10. PAR 1560 Presented by Steve
  - a. Submitted for recirculation June 24<sup>th</sup>.
  - b. Mike Hart to check on status.

**ACTION ITEM:** Mike Hart to check status of recirculation and update group.

- 11. Std 473 Presented by Elya Joffe

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- a. Meeting this week. Elya has delegated to one member pushing this standard. With a few months work should be ready for balloting. This is just editorial at this point. No serious technical issues.
  - b. Document is in draft, a number of chapters are complete.
12. PAR 1597 Presented by Andrew Drozd
- a. Request for 1 year extension has been submitted

**ACTION ITEM:** Check to see if PAR 1597 extension it is approved

- b. 1597.1 and 1597.2 have been split into separate parts. Both are at Rev 3.
  - c. Balloting delayed due to document editing.
  - d. A general discussion of methodologies then took place. Andy spoke about Computer Fluid Dynamics method as one being looked at. As well as Standard Outputs and Feature Selection Data.
  - e. There is a copy of the draft available for those interested.
13. PAR 1900.1
- Steve gave overview of current status. Most work to be started at meeting 8/8/2005 in evening.
14. Meeting Adjourned at 10:55 pm by unanimous consent.

Part 1 – Wednesday August 10, 2005

- 1. Meeting called to order at 7:15 am. Introductions by all.
- 2. The IEEE WG Presentation was shown to all members. It will be circulated, along with some discussions and explanation, to all WG Chairpersons.
- 3. A further discussion of reporting requirements for WG Chairpersons was discussed. It was agreed to Mike Hart and Steve would create a standard, simple status report form that each WG Chairperson would be asked to fill out prior to each SDCOM meeting.

**ACTION ITEM:** Mike Hart to create format for WG reports.

- 4. PAR 1900.1 Presentation by Steve Berger  
This is just starting as a project. They are currently seeking membership.
- 5. Std 1302 has not status. Neither Steve Berger nor Mike Hart have heard from Prof Catrysse.

**ACTION ITEM:** Steve Berger to contact WG Chair of 1302 for status report.

- 6. Std 1309 Reaffirmation Presented by John Kraemer
  - a. 2 ballots required to get final vote on January 5, 2005.
  - b. Approved by REVCOM on 6/8/2005

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- c. Tech Writer assigned 7/20/2005
- d. Nigel Carter to work on Amendment, as separate PAR.
- 7. Std 1309 Amendment Presented by Nigel Carter
  - a. Initial group met 8/8/2005. 12 members (out of 15 attendees) and another 20 who have communicated an interest by e-mail.
  - b. Draft IEC WG10 of 77/454/CD was shown to committee. This document discussed dual logo status for this document. A discussion followed on what was required, officially, for dual logo status.
  - c. The issue of probe calibration errors, and the impact on the WG direction followed.
  - d. The are separate sub-WG to handle use of probes in each type of test (SAC, GTEM, Reverberation, etc).
  - e. Draft expected by September.
  - f. Nigel specifically asked if copies of the new 1309 could be provided to the WG members.
- 8. PAR 1642 met 8/8/2005. No Report. Draft due by 2006.
- 9. Other Standards status discussed. There are no major inputs required.
- 10. Other Business
  - a. 299 – Dale Svetanoff is submitting a written report of their meeting earlier this week.
  - b. 299.1 and 1900.1 – A general discussion of whether these are registered PAR's. It was agreed, after reviewing previous minutes, that 299.1 was not a formal PAR yet. Maria Sabrina Sarto volunteered to chair this, but asked Steve Berger to coordinate with Prof. Catrysse to make sure there was not conflict with his standards activities.
  - c. There has been discussions of 299.2 but the committee agreed that there was no reason to split this activities.
  - d. Motion was made by Don Sweeney and seconded by Ed Hare to formalize PAR 299.1

PAR 299.1 will address shielding effects below 2 cubic meter volumes.  
Actual wording of the PAR to be done by Prof Sarto.

- 11. New Business
  - a. 1560 going to REVCOM. Kermit Phipps raised the issue of archiving data. There have been problems in the past resurrecting working group documents (299 specifically). Steve Berger asked Kermit to contact Evette (732-562-3814) at the IEEE to see what procedures were in place. We also agreed to store these working papers, current and past, on the SDCom Website.
  - b. Roland Gubisch gave short update on status of 1775.
    - i. PAR approved.

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- ii. 3 task groups identified
  - iii. TOC agreed
  - iv. They have had 20 meetings, next scheduled for Sept 15<sup>th</sup> in Dallas.
  - v. They have a P&P. Steve Berger and Andy Drozd both raised the issue of insuring the two societies P&P's agreed.
  - vi. Ed Hare asked Roland Gubisch to join the SDCOM BPL Study group and he agreed.
  - vii. Steve discussed various concerns from SDCOM.
  - viii. Radiated is the WG's primary concern.
  - ix. TBD on extensions beyond they current scope.
  - c. Bill Croisant asked when a WG ceased to exist. It was agreed through discussion that the WG ceased to exist once the Standard was published. It was hoped that the WG Chairperson, or their designate, would be available to answer technical questions as the standard enters circulation.
  - d. Andy Drozd gave a short update on 1597 activities.
    - i. 12-13 people at meeting.
    - ii. Reviewed current documents.
    - iii. Action plan created.
    - iv. There is a fair amount of work to be done.
    - v. Basically the group is on schedule.
12. Next Meeting is November 14, 2005 in Portland, OR.
13. Meeting adjourned at 9:09 am.

- ACTION ITEM: For Mike Hart, find and report status on LRM PAR.
- ACTION ITEM: Mike to speak with Vita and next year coordinate meeting schedule and budget.
- ACTION ITEM: Mike Hart to check status of recirculation and update group.
- ACTION ITEM: Check to see if PAR 1597 extension it is approved
- ACTION ITEM: Mike Hart to create format for WG reports.
- ACTION ITEM: Steve Berger to contact WG Chair of 1302 for status report.