

**Minutes of TC-10 Meeting of  
1 November 2006 in Albuquerque, New Mexico**

**Attendance:**

Tom Linnenbrink	Hittite Microwave
Jerry Blair	National security Technologies
Sol Max	LTX Corporation
Bill Boyer	Sandia (retired)
Bob Graham	Sandia
Fang Xu	Teradyne
Nick Paulter (by phone)	NIST
David Bergman	NIST
Steve Tilden	Texas Instruments
Sergio Rapuano	University of Sannio
Niclas Björzell	University of Gävle
Francisco Alegria	Tech. Univ. of Lisbon

Minutes prepared by Jerry Blair.

We thanked Bob Graham and Sandia for hosting the meeting.

- Review of minutes from previous meeting. The minutes were accepted after correcting the capitalizing "springs" in one of the spellings of Colorado Springs.
- Web page.
  - Minutes should be posted within 30 days.
  - All past minutes, working papers and drafts will be kept in an archive on the web server.
  - Main page should be shortened with more links instead of content.
  - Get SCOPS web page up.
  - Contact I&M web master to keep their page up to date.
- Membership form
  - Put revision number on membership form.
  - Link membership form to membership letter.
  - Change section 2 to just look for balloting interest.
  - Add links to definitions of user etc.
- Membership procedure. The following procedure for becoming a member of sub-committees of TC-10:
  - Fill out form.
  - Form is sent to committee chairmen.

- Information about applicant is sent to sub-committee chairmen.
- Sub-committee Chairmen make decisions.
- Mailing lists. Here are the addresses for all TC10 mailing lists:
  - [stds-tc10@ieee.org](mailto:stds-tc10@ieee.org) The combined contents of all the lists.
  - [stds-1057@ieee.org](mailto:stds-1057@ieee.org)
  - [stds-1241@ieee.org](mailto:stds-1241@ieee.org)
  - [stds-1658@ieee.org](mailto:stds-1658@ieee.org)
  - [stds-1696@ieee.org](mailto:stds-1696@ieee.org)
  - [stds-181@ieee.org](mailto:stds-181@ieee.org)
- SCOPT Report
  - Tom Linnenbrink will look into attempting to revive the dual-logo effort.
  - Nick and Jerry will begin work on algorithmically generated waveforms for testing algorithms.
  - A request was received for including pulse parameters for impulse like waveforms in the next version.

- SCOPS Report

- The inaugural meeting was held yesterday – decided to consider both probe only and scope+probe.

Other items discussed:

- Test boards – generally proprietary. Agilent will provide guidance for good test boards. The manufacturers will give S-parameters for boards although not design information.
- We will do both single ended and differential, unless manufacturers decide that separate differential is unnecessary.
- The scope of the project only covers high impedance, single signal probes. Manufacturers consider 5% accuracy good and 1% infinitely good.
- Where to put probe. Agilent and Tek use different criteria Agilent Vin/Vout, Tek and LeCroy Vsource/Vout.

- Waveform Committee Report

- There were two cycles between last meeting and this. All issues were dealt with yesterday.
- A draft for balloting will be produced soon.

- ADC Committee Report

- The sub-committee will become very active now that 1057 is finished.
- New methods need to be defined and selected early in the process.
- Std-1241 will be consistent with Std-1057.
- The related IEC standard was published.
- DAC Committee Report
  - A lot of progress was made in the last year and a half. There will be a full day meeting tomorrow.
- Future Projects
  - Tutorial 7 Table. A table giving parameters vs. test setup will be added in a future issue of the I&M Magazine.
  - Other magazines. We still need to get articles in magazines with wider circulation.
  - There are no committee papers to be presented at the IMTC in Warsaw.
  - ADC/DAC Forum in Victoria? We do not know yet, but will need to start planning.
  - Measure Magazine Bob Graham suggests we highlight a test method from 1057 – after into balloting.
  - As archive host, Jerry Blair will create a central library of TC-10 documents.
- Next Meetings
  - Winter meeting in Gaithersburg
  - May or June meeting tentatively in Tucson. Colorado Springs and Boulder are alternatives.