



# **SCC20 Annual Report**

**2007**

**Mike Seavey, Chair**  
**John W. Sheppard, Vice Chair**



1) Scope

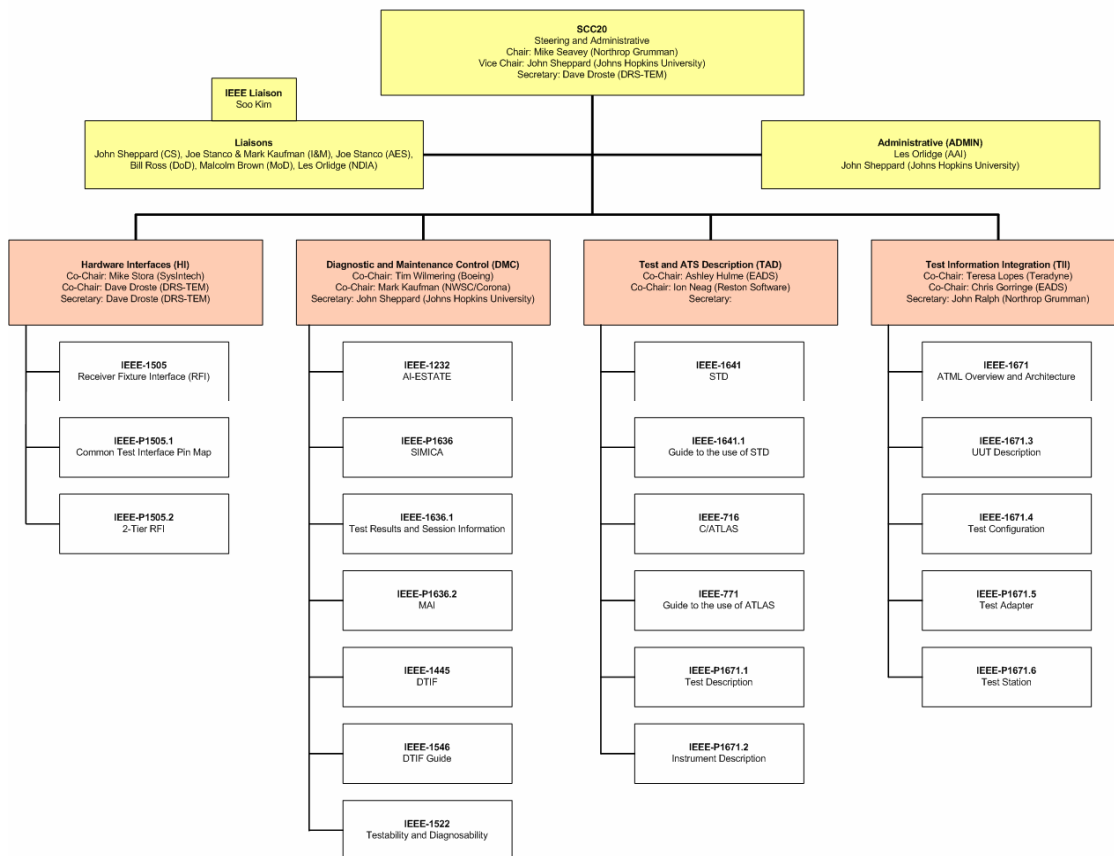
Standards Coordinating Committee 20 on Test and Diagnosis for Electronic Systems Charter/Scope Statement remained:

“Provides for the management, development, and maintenance of language and interface standards supporting system-level (onboard and offboard) automatic test and diagnosis. These standards include (but are not limited to) test requirements, test programs, test procedures, diagnostic knowledge, maintenance information, and major hardware subsystem interfaces between and within Automatic Test Systems.”

1a) SCC20 Organization for 2008 with Standards Responsibilities Identified:

During the 07-2 SCC20 Steering meeting nominations were made and officers selected for 2008. These officers were approved by the IEEE Standards Board during the March 2008 meeting.

SCC-20 Organization for 2008





## 2) Activity Report:

Details of SCC20 activity are presented using the individual reports provided by its working groups, starting with the Diagnostic and Maintenance Controls (DMC) subcommittee. The DMC report is followed by the report from the Test and ATS Description (TAD) subcommittee, the Hardware Interfaces (HI) subcommittee and concludes with the Test Information Integration (TII) report.

Each subcommittee report contains the objectives and goals for the current year (3a), objectives and goals for past year and the performance relative to them (3b), and current areas of activities with milestones indicated (3c).

The IEEE Staff support requirements (3d), Summary of other activities (3e), and Meeting schedule with location 1 year back and 1 year forward (3f) follow the subcommittee reports.

### DMC Report:

#### **Objectives and Goals for current year:**

**DMC's primary objectives are as follows:**

- 1) Complete, ballot, conduct NBR, and initiate recirculation of P1636.2 revision in the fall.
- 2) Complete, ballot, conduct NBR, and initiate recirculation of 1232 revision.
- 3) Complete and ballot P1636

#### **Objectives and Goals for past year and the performance relative to them.**

**Last year, the DMC goals were to:**

- 1) Commence ballot of proposed 1232 revision---**Status:** Schedule is slipping; however, the DMC is on track for commencing ballot of 1232 in 2008.
- 2) Continue development of P1636 currently in draft **Status.** ---Accomplished.
- 3) Complete ballot of P1636.1. --- **Status:** Accomplished
- 4) Continue development and initiate ballot of P1636.2--- **Status:** Accomplished
- 5) Submit PAR for revision of 1522--- **Status:** The DMC decided to withdraw 1522 rather than revise. Withdrawal will be on a future SASB agenda.



# STANDARDS COORDINATING COMMITTEE 20 (SCC20)

**IEEE**

**2007 SCC20 Annual Report**

**Current area(s) of activity with milestones indicated.**

Project	Task	Date Due
P1232 Revision (expires 12/31/09)	Services	July 15, 2008
	XML	July 15, 2008
	Conformance	April 24, 2008
	Final Draft	September 6, 2008
	Document QA	September 6, 2008
	Mandatory Editorial Coordination	September 15, 2008
	Commence Ballot (w/ Invitation)	September 15, 2008
	Negative Ballot Resolution	December 1, 2008
	Recirculation	February 1, 2009
	Standards Board Approval	June 2009
P1636 (expires 12/31/09)	Negative Ballot Resolution	May 31, 2008
	Recirculation	August 15, 2008
	Standards Board Approval	December 2008
P1636.2 (expires 12/31/10)	Committee Review	April 15, 2008
	Document QA	May 30, 2008
	Subcommittee Approval	July 15, 2008
	Mandatory Editorial Coordination	July 15, 2008
	Commence Ballot (w/ Invitation)	July 15, 2008
	Negative Ballot Resolution	October 1, 2008
	Recirculation	January 5, 2009
	Standards Board Approval	March 20



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P1232 Revision (expires 12/31/09)	Services	July 15, 2008
	XML	July 15, 2008
	Conformance	April 24, 2008
	Final Draft	September 6, 2008
	Document QA	September 6, 2008
	Mandatory Editorial Coordination	September 15, 2008
	Commence Ballot (w/ Invitation)	September 15, 2008
	Negative Ballot Resolution	December 1, 2008

**TAD Report:**

**Objectives and Goals for current year:**

**TAD's primary objectives are as follows:**

- 1) Have the revision to IEEE Std 1641 prepared and to start the ballot process.
- 2) Complete the ballot recirculation for ATML Instrument Description (P1671.2). Publish as a trial-use standard.
- 3) Complete the ballot process for ATML Test Description (P1671.1). Prepare standard for publication.

**Objectives and Goals for past year and the performance relative to them.**

**Last year, the TAD goals were to:**

- 1) Support IEEE editors to complete 1641.1, making it ready for publication. ---**Status:** The Standard was published on April 30, 2007.
- 2) Prepare amendment to 1641 (P1641a) for ballot before end of year. ---**Status:** Work on a new version of the standard continued throughout the year. Due to the extent of changes, TAD decided that a revision of the standard is more appropriate than an amendment. On April 22, 2008 SCC20 submitted requests to withdraw the



Amendment PAR, and submitted a new PAR for revision of the standard, to NesCom for approval.

- 3) Complete a draft of ATML Test Description (P1671.1) that is ready for ballot. ---  
**Status:** The draft was completed on May 5, 2008. The formation of the ballot pool was started on April 11, 2008 and will end on May 11, 2008. As of May 5, 47 ballot participants were registered.
- 4) Complete a draft of ATML Instrument Description (P1671.2) that is ready for ballot. Add component for Synthetic Instrumentation. ---**Status:** The draft with Annexes for Synthetic Instrumentation was completed on September 4, 2007. Initial ballot was conducted between November 28, 2007 and January 14, 2008. The approval rate was 90%. The 553 comments received were addressed through the ballot resolution process. Recirculation was conducted between April 17, 2008 and May 2, 2008. The recirculation ballot resolved the four negative comments. The RevCom submittal package is being prepared as of the date of this report.

**Current area(s) of activity with milestones indicated.**

Project	Task	Date Due
1641a/1641	Complete revision and start ballot	December 2008
1671.1	Start the Ballot process	May 2008
1671.1	Prepare for publication	December 2008
1671.2	Complete Ballot recirculation	May 2008
1671.2	Publish as a trial-use standard	Third quarter of 2008

**HI Report:**

**Objectives and Goals for current year:**

**HI's primary objectives are as follows:**

- 1) Complete the revision of P1505 and submit to RevCom.
- 2) Resolve ballot comments on P1505.1 and recirculate the ballot. Conclude the ballot and submit to RevCom.
- 3) Continue to work P1505.2, have a working draft.



**Objectives and Goals for past year and the performance relative to them.**

**Last year, the HI goals were to:**

- 1) Initiate ballot of P1505.1 by June 2007. ---**Status:** Due to late-breaking questions/issues, the ballot was not started until 2008. The ballot is now underway and a recirculation ballot is planned.
- 2) Initiate a PAR for P1505.2, a two-tier version of P1505.1. **Status.** ---Accomplished the PAR was approved.
- 3) Based upon the approval of the two-tier version of P1505.1, initiate effort on this standard. --- **Status:** Accomplished, activity is underway.

**3c) Current area(s) of activity with milestones indicated.**

Project	Task	Date Due
1505	Revision draft in progress. First review draft for working group	April 2008
1505	Submit to RevCom	September 2008
1505.1	Resolve ballot comments, recirculate ballot	June 2008
1505.2	Continue work and complete draft	December 2008

**TII Report:**

**Objectives and Goals for current year:**

**TII's primary objectives are as follows:**

- 1) Complete the ballot process for ATML Test Adapter (P1671.5). Publish as a trial-use standard.
- 2) Complete the ballot process for ATML Test Station (P1671.6). Publish as a trial use standard.
- 3) Begin the process of transitioning trial-use standard 1671-2006 to a full-use standard. The development and submittal to NesCom, of a PAR for a full revision, and the initial document preparation for the 2009 ballot of 1671.
- 4) Develop and submit to NesCom, a new PAR for the development of an ATML Users Guide (IEEE Std 1671 and each of its components).



**Objectives and Goals for past year and the performance relative to them.**

**Last year, the TII goals were to:**

- 1) To have the P1671.2 (Instrument Description) Trial-Use Standard: written, reviewed and to start the formal ballot process. Incorporate the Synthetic Working Group (SIWG) material. To submit as a trial-use standard. ---**Status:** This is reported under the TAD report. This has been a joint TAD and TII effort.
- 2) To have the P1671.3 (UUT Description) Trial-Use Standard: written, reviewed and to start the formal ballot process by Feb 2007. Submit 1671.3 as a trial-use standard by Q4 2007. ---**Status.** Accomplished.
- 3) To have the P1671.4 (Test Configuration) Trial-Use Standard: written, reviewed and to start the formal ballot process by Feb 2007. Submit P1671.4 as a trial-use standard by Q4 2007. --- **Status:** Accomplished.
- 4) To have the P1671.5 (Test Adapter) Trial-Use Standard: written, reviewed and to start the formal ballot process by Jul 2007. Submit as a trial-use standard by Q3 2008. --- **Status:** On schedule for the 2008 completion.
- 5) To have the P1671.6 (Test Station) Trial-Use Standard: written, reviewed and to start the formal ballot process by Jul 2007. Submit as a trial-use standard by Q3 2008. --- **Status:** On schedule for the 2008 completion.
- 6) To have the P1671.1 (Test Description) Trial-Use Standard: written, reviewed and to start the formal ballot process by Aug 2007. To submit as a trial-use standard by Q4 2008. --- **Status:** This is reported under the TAD report. This has been a joint TAD and TII effort.
- 7) To have the P1636.1 (Test Results) Trial-Use Standard published. Formal ballot process complete by Sept 2007. ---**Status:** This is reported under the DMC report. This has been a joint DMC and TII effort.
- 8) To have candidate schemas for all ATML components in 2007. ---**Status:** Accomplished.



**TII Current area(s) of activity with milestones indicated**

Project	Task	Date Due
1671.5	Complete formal ballot process	July 2008
1671.5	Publish as Trial-Use Standard	December 2008
1671.6	Complete formal ballot process	July 2008
1671.6	Publish as Trial-Use Standard	December 2008
1671	Develop revision PAR, submit to NesCom, start 1671-2006 document update	December 2008
new	Develop ATML Users Guide PAR, submit to NesCom	December 2008

**IEEE Support Requirements:**

SCC20 requests the IEEE-SA staff liaison (Soo Kim) attend all Full SCC20 meetings in the near future. Through Soo’s attendance, and her access to IEEE support resources (that we are additionally requesting be available), SCC20 can begin to unburden its members from tasks such as editorial support, IP searches, etc., and utilize the IEEE support resources for these tasks. SCC20 requests these resources be available on an “as needed” basis for at least the 2008 and 2009 calendar years.

**Summary of Other Activities:**

IEEE Society Liaisons to SCC20 reported no activity from the Societies to SCC20. The Instrumentation and Measurement Society (I&M) liaison (J. Stanco) produced semi-annual status reports for the I&M Society, on SCC20 activities. There was no activity with the AES Society.

**SCC20 Meeting Schedule:**

**Full SCC20 Meeting Schedule:**

The full SCC20 committee met twice in 2007:

- SCC20 07-1 was held April 16 through 20 in Madrid, Spain
- SCC20 07-2 was held September 14 through 16 in Baltimore, MD in conjunction with AUTOTESTCON 2007.



SCC20 is planning 2 full committee meetings in 2008:

- The first, SCC20 08-1, was held April 22-24 in St. Louis, MO.
- The second, SCC20 08-2, is planned to coincide with AUTOTESTCON 2008, September 6-8 in Salt Lake City, UT.

SCC20 is anticipating 2 full committee meetings in 2009:

- The first, SCC20 09-1, is anticipated to be held at a still to be determined location in Europe, with a date still to be determined.
- The second, SCC20 09-2, is anticipated to coincide with AUTOTESTCON 2009, in September in Anaheim, CA.

**SCC20 DMC Subcommittee Meeting Schedule:**

**2007 DMC meetings:**

- 07-A Orlando, FL (January)
- 07-B Madrid, Spain (April with full SCC20)
- 07-C Natick, MA (June)
- 07-D Baltimore, MD (September with full SCC20)

**2008 DMC meetings:**

- 08-A Orlando, FL (January)
- 08-B St. Louis, MO (April with full SCC20)
- 08-C Baltimore, MD (July 15-17)
- 08-D Salt Lake City, UT (September 6-8 with full SCC20)

**SCC20 TAD Subcommittee Meeting Schedule:**

**2007 TAD meetings:**

- 2007-1 Madrid, Spain (April with full SCC20)
- 2007-2 Baltimore, MD (September with full SCC20)

**2008 TAD meetings:**

- 2008-1 St. Louis, MO (April with full SCC20)
- 2008-2 Salt Lake City, UT (September 6-8 with full SCC20)

**SCC20 HI Subcommittee Meeting Schedule:**

**2007 HI meetings:**

- 07-A Orlando, FL (January)
- 07-B Madrid, Spain (April with full SCC20)
- 07-C Huntsville, AL (June)
- 07-D Baltimore, MD (September with full SCC20)



**2008 HI meetings:**

- 08-A Warner Robins, GA (January)
- 08-B St. Louis, MO (April with full SCC20)
- 08-C TBD (June/July)
- 08-D Salt Lake City, UT (September 6-8 with full SCC20)

**SCC20 TII Subcommittee Meeting Schedule:**

**2007 TII meetings:**

- 2007-01 Orlando, FL (January)
- 2007-04 Madrid, Spain (April with full SCC20)
- 2007-06 Natick, MA (June)
- 2007-09 Baltimore, MD (September with full SCC20)

**2008 TII meetings:**

- 2008-01 Orlando, FL (January)
- 2008-04 St Louis, MO (April with full SCC20)
- 2008-07 Santa Rosa, CA (July 8-10 or 15-17)
- 2008-09 Salt Lake City, UT (September 6-8 with full SCC20)