Storage Systems Standards Committee

Date of Submittal: 31 January 2013

Date of Acceptance: 21 August 2013
Accepted by SASB: 23 August 2013
1.0 Introduction

In today’s market, standards development plays a critical role in product development and market share. In the IEEE, the responsibility for how a standard originates and evolves is managed by a Sponsor. It is essential in the management of a standard’s development to avoid any actions by the Sponsor or the participants that result in a violation of procedures.

Adherence to these Policies and Procedures is an essential asset in determining the applicability of IEEE’s indemnification policy.

These Policies and Procedures outline the orderly transaction of standards activities of the Storage Systems Standards Committee, hereinafter referred to as “the Sponsor” or appropriate related form. For the development of standards, openness and due process shall be applied, which means that any person with a direct and material interest who meets the requirements of these Policies and Procedures has a right to participate by:

   a) Expressing a position and its basis
   b) Having that position considered, and
   c) Appealing if adversely affected

Due process allows for equity and fair play. In addition, due process requires openness and balance (i.e., the standards development process should strive to have a balance of interests and not to be dominated by any single interest category). However, for the IEEE Standards Sponsor ballot, there shall be a balance of interests without dominance by any single interest category.
Participants engaged in the development of standards must comply with applicable federal, state, and international laws. In addition, for standards matters, the latest versions of several documents take precedence over this document, in the following order:

- New York State Not-for-Profit Corporation Law
- IEEE Certificate of Incorporation
- IEEE Constitution
- IEEE Bylaws
- IEEE Policies
- IEEE Board of Directors Resolutions
- IEEE-SA Board of Governors Resolutions
- IEEE-SA Standards Board Bylaws
- IEEE-SA Standards Board Resolutions
- Policies and Procedures of the IEEE Computer Society
- Policies and Procedures of the IEEE Computer Society Standards Activity Board
- Policies and Procedures of the Storage Systems Standards Committee

Anything the Sponsor creates is hierarchically inferior to the documents and resolutions that are listed above its Policies and Procedures. The Policies and Procedures of the Sponsor are hierarchically superior to other documents of the Sponsor. Robert's Rules of Order Newly Revised (RONR) is the recommended guide on questions of parliamentary procedure not addressed in these procedures.

1.1 IEEE Sponsor scope

The Storage Systems Standards Committee (SSSC) works to model generic mass storage systems in collaboration with other Computer Society committees, with standards development organizations outside of IEEE, and with industry consortia. These efforts primarily concern, but are not limited to, storage system architecture, software protocols, and storage media. In addition to working on standards, the SSSC may develop recommended practices and guides. The SSSC is primarily concerned with highly distributed storage systems design in heterogeneous computing environments, and without favor, considers storage systems of every scale in its studies. An object-oriented approach is desired in all its efforts, and net-attachment of storage is intrinsic to its modeling. Standards, recommend practices, and guides developed by the SSSC rely on open source technology whenever possible. The SSSC seeks widest acceptance of its products through maximum outside interaction. While embracing the most promising emerging technologies in its efforts, the SSSC remains focused on implementation.
1.2 Organization of the Sponsor

The Sponsor shall consist of officers (see Clause 3), and other members.

2.0 Responsibilities of the Sponsor

The Sponsor shall be responsible for at least the following:

a) Developing proposed IEEE standards and ensuring that they are within the scope of the Sponsor.

b) Initiating and overseeing ballots of proposed IEEE standards within its scope, including:

   1) Approving Project Authorization Requests (PARs) from a subgroup or the Sponsor
   2) Submitting a proposed PAR to the IEEE-SA Standards Board for consideration, and responding to questions from the Board to gain approval. Following approval of the PAR, the Sponsor shall submit necessary requests for extension, modification, or withdrawal of the PAR as required by the IEEE-SA Operations Manual.
   3) Submitting draft standards from a subgroup or the Sponsor to the IEEE-SA for Sponsor ballot.

c) Maintaining the standards developed by the Sponsor in accordance with the *IEEE-SA Standards Board Operations Manual*

d) Acting on other matters requiring Sponsor effort as provided in these procedures

e) Cooperating as appropriate with other standards development organizations

f) Protecting against actions taken in the name of the Sponsor without proper Sponsor authorization

g) Limiting distribution of the membership roster to appropriate parties

h) Communicating with the IEEE-SA Standards Board on specific Sponsor activities as needed

i) Handling appeals as described in Clause 9

2.1 Sponsorship

The Sponsor is responsible for the development and coordination of standards project(s) including their maintenance after their approval as standard(s) by the IEEE-SA Standards Board. Specifically, the Sponsor is responsible for those IEEE-SA Standards Board approved project(s) for which Sponsor has been identified or assigned as either the sole sponsor or a joint sponsor. The development and maintenance of standards shall be accomplished as defined within the clauses of these Policies and Procedures.
2.1.1 Joint-Sponsor responsibility/accountability

The Sponsor shall complete a joint sponsorship agreement for jointly sponsored projects.

3.0 Officers

There shall be a Chair, a Vice Chair, a Treasurer and a Secretary. A person may simultaneously hold the positions of Treasurer and another office other than Chair.

The Chair shall be a member of any grade of the IEEE and a member of the IEEE-SA (IEEE-SASB Bylaw 5.2.1). The officers shall organize the Sponsor, oversee the Sponsor’s compliance with these Policies and Procedures, and submit proposed documents approved by the Sponsor (with supporting documentation) for appropriate review and approval by the IEEE-SA Standards Board. Officers shall read the training material available through IEEE Standards Development Online.

3.1 Election of Officers

Officers shall be elected in accordance with the procedures of the IEEE Computer Society Standards Activity Board. In the absence of such procedures, the following process shall be followed.

There shall be an annual vote of the Sponsor to recommend a Sponsor Chair to the IEEE Computer Society Standards Activity Board. On acceptance of this recommendation, the one-year term of the Sponsor Chair begins. At this time the Sponsor Chair shall appoint a Vice Chair, Treasurer, and Secretary whose terms run concurrently with the term of the Chair. An officer may serve any number of consecutive terms.

If the IEEE Computer Society Standards Activity Board rejects the recommended Sponsor Chair and declines to appoint another person as Sponsor Chair, then another Sponsor ballot may be initiated to recommend a different candidate for Sponsor Chair. The Chair whose term has expired may serve until a successor is appointed.

The annual vote for Sponsor Chair will be initiated by the current Sponsor Chair or the IEEE Computer Society Standards Activity Board by appointing an Elections Officer whose function is to gather nominations and conduct an election. The Elections Officer may not be a candidate in the election.

Nomination of a candidate will proceed as follows. The Elections Officer shall issue a call for nominees using all available lines of communications (e.g. email lists), and this call shall be held open for 14 calendar days or longer. At the close of this call, the Elections Officer shall prepare and conduct an election by letter or electronic ballot.

The voting members of the Sponsor shall nominate to the Elections Officer one or more voting
members for the position of Sponsor Chair. Candidates must be eligible to hold the office of Sponsor Chair. Upon written notification, the nominee has 14 calendar days to indicate acceptance of the nomination or the nomination will be dropped. If there is no nomination for the office of Sponsor Chair, the IEEE Computer Society Standards Activity Board may appoint the Sponsor Chair.

Conduct of voting will proceed as follows. Voting will conclude in a time determined by the Sponsor, but in no fewer than 14 calendar days. Each voting member may cast one approval vote for as many nominees for Sponsor Chair as the voting member chooses. The candidate with the greatest number of approval votes shall win the election, provided ballots are returned by a majority of the eligible voters for that election.

3.2 Temporary appointments to vacancies

If an office other than the Chair becomes vacant for any reason (such as resignation, removal, lack of nomination at an election), a temporary appointment shall be made by the Chair for a period of up to 12 months. An appointment or election for the vacated office shall be made in accordance with requirements in Clause 3.0 and Clause 3.1.

3.3 Removal of officers

An officer (other than the chair) may be removed by a two-thirds vote of the voting members of the Sponsor. Grounds for removal shall be included in any motion to remove an officer. The officer suggested for removal shall be given an opportunity to make a rebuttal prior to the vote on the motion for removal. Officers may be removed by the IEEE Computer Society Standards Activity Board following that board’s procedures.

3.4 Responsibilities of officers

The officers of the Sponsor shall manage the day-to-day work of the Sponsor. The officers are responsible for implementing the decisions of the Sponsor and managing the activities that result from those decisions.

3.4.1 Chair

The responsibilities of the Chair shall include

a) Leading the activity according to all of the relevant policies and procedures
b) Forming study groups, as necessary
c) Being objective
d) Entertaining motions, but not making motions
e) Not biasing discussions
f) Delegating necessary functions
g) Ensuring that all parties have the opportunity to express their views
h) Setting goals and deadlines and adhering to them
i) Being knowledgeable in IEEE standards processes and parliamentary procedures and ensuring that the processes and procedures are followed
j) Seeking consensus of the Sponsor as a means of resolving issues
k) Prioritizing work to best serve the Sponsor and its goals
m) Submitting approved Sponsor P&P to the IEEE-SA Standards Board Audit Committee (AudCom—see http://standards.ieee.org/board/aud/index.html )
n) Ensuring that each Working group has a set of P&P approved by the Sponsor. The chair will provide the Working group P&Ps to AudCom upon request.
o) Submitting appropriate Annual Financial Reports (IEEE SA Form L50-S) to the Business Manager, Business Administration, or assignee, for the operation of the Sponsor and all of its subgroups.

3.4.2 Vice-Chair

The Vice Chair shall carry out the Chair's duties if the Chair is temporarily unable to do so or chooses to recuse him- or herself (e.g., to speak for or against a motion).

3.4.3 Secretary

The responsibilities of the Secretary include:

a) Scheduling meetings in coordination with the Chair and distributing a meeting notice at least 30 calendar days before the meeting
b) Distributing the agenda at least 14 calendar days before the meeting—notification of the potential for action shall be included on any distributed agendas for meetings
c) Recording minutes of each meeting and publishing them within 60 calendar days of the end of the meeting
d) Creating and maintaining the participant roster and submitting it to the IEEE Standards Association annually
e) Being responsible for the management and distribution of Sponsor documentation
f) Maintaining lists of unresolved issues, action items, and assignments
g) Recording attendance of all attendees
h) Maintaining a current list of the names of the voting members and distributing it to the members upon request
i) Forwarding all changes to the roster of voting members to the Chair
3.4.4 Treasurer

Treasurer shall:

a) Maintain a budget
b) Control all funds, including any into and out of the Committee’s bank account
c) Follow IEEE policies concerning standards meetings and finances
d) Adhere to the IEEE Finance Operations Manual

4.0 Membership

4.1 Voting membership

Officers of the Sponsor and its Working Group Chairs are voting members of the Sponsor notwithstanding any voting requirements stated in this document. Other members of the Sponsor committee are expected to attend scheduled meetings of the Sponsor. Voting membership is achieved and maintained by participating in at least two of the last three sponsor committee meetings or sponsor committee letter ballots. Attendance at a meeting via teleconferencing and/or electronic means (e.g., Internet conferencing) will count against the attendance requirement. To receive credit for attending a meeting, at least 25% of the meeting must be attended as determined by attendance records.

4.1.1 Application

A request for membership shall be addressed to the Chair, indicating the applicant’s direct and material interest in the Committee’s work, qualifications and willingness to participate actively.

Those who attend the organizing meeting and indicate their interest to the chair in becoming a member shall be the initial voting members and shall continue as voting members. Subsequently, an applicant must have attended at least two of the last three sponsor committee meetings in order to qualify for voting membership.

4.2 Review of membership

The Chair shall review the voting membership list at least once annually. Voting members are expected to fulfill the obligations of active participation as defined in Clause 4.1. When a voting member is found in habitual default of these obligations, the Chair shall consider the matter for appropriate action which may include termination of membership.
4.3 Membership roster

A current and accurate Sponsor roster shall be maintained. Due to privacy concerns, the roster shall not be distributed except to the IEEE-SA Board of Governors, IEEE-SA Standards Board, and IEEE-SA staff unless all Sponsor members have submitted their written approval for such distribution. The roster shall include the following:

a) Title of the Sponsor and its designation
b) Officers: Chair, Vice Chair, Secretary, Treasurer
c) Members: for all, name, e-mail address, affiliation and membership status.
d) For each subgroup: subgroup title, Chair, and names, e-mail addresses, and affiliations of all members

4.4 Membership public list

A current and accurate Sponsor membership list shall be maintained. The membership list may be posted on the Sponsor web site and may be publically distributed. The membership list shall be limited to the following:

a) Title of the Committee and its designation
b) Scope of the Committee
c) Officers: Chair, Vice Chair, Secretary, Treasurer
d) Members: (for all) -- name, affiliation

5.0 Subgroups, Study Groups and Working groups created by the Sponsor

5.1 Administrative subgroups

When one or more subgroups is formed to expedite the administrative work of the Sponsor (e.g., AdCom, ExCom), its formation (and later disbandment) requires a majority vote of the Sponsor as defined in Subclause 7.1.

5.2 Working groups – Individual Method

Standards Working groups are responsible for the definitive content of one or more documents and for responding to views and objections thereon. Such Working groups shall maintain a membership roster and shall comply with the provisions for preparing standards. The Sponsor shall appoint the Working group chair.

The Sponsor shall ensure that all Working groups adopt procedures consistent with the baseline Operating Procedures for Standards Working Groups – Individual Method and review amendments to these procedures to ensure that they are not in conflict with the IEEE-SA Standards Board Operations Manual.
5.3 Working groups – Entity Method

If a Working group being formed has entity-based membership, the Sponsor shall ensure that the entity standards Working group adopts procedures consistent with the IEEE-SA Baseline Policies and Procedures – IEEE Standard WGs – Entity Working groups. In addition, the Sponsor reviews amendments to the Policies and Procedures for Corporate Standards Working groups to ensure that they are not in conflict with IEEE policies and procedures and New York State Not-for-Profit Corporation Law.

5.4 Standards study groups

When a Sponsor is presented with a proposal concerning a standards development project, the Sponsor may form a Standards Study Group to examine the proposal to determine if there is a need for a standard to be developed. The life of a Standards Study Group is limited to 6 months. If the proposal merits formation of a project, the Study Group will draft a PAR for consideration by the Sponsor.

Groups shall refer to the approved Study Group guidelines on how a Standards Study Group shall conduct business and the criteria it shall apply to consideration of a proposal. Guidelines located at: http://standards.ieee.org/develop/corpchan/studygrp.pdf

A Study Group is disbanded upon approval of the PAR by the IEEE-SA Standards Board.

5.5 Other subgroups

The formation and disbandment of subgroups other than administrative subgroups (e.g., technical subcommittees, and writing groups) require approval by a majority vote of the Sponsor. The Chair of a subgroup shall be appointed by the Chair of the Sponsor or decided by nomination and election. The scope and duties delegated to the subgroup shall be approved at the time the subgroup is formed, and subsequent changes in scope or duties shall also require approval by a majority vote of the Sponsor. The scope, duties, and membership of all subgroups shall be reviewed annually by the Sponsor. The charge to the subgroup shall clearly state which of the following complementary activities is appropriate:

1) The subgroup is responsible for the definitive content of one or more documents and for responding to views and objections thereon. Such subgroups shall maintain a membership roster and shall comply with the provisions for preparing standard(s).

2) The subgroup is responsible for assisting the Sponsor (e.g., drafting all or a portion of a document, drafting responses to comments, drafting public statements on standards, or other purely advisory functions).
6.0 Meetings

Sponsor meetings shall be held, as decided by the Sponsor Chair, or by petition of 2 or more voting members, to conduct business, such as making assignments, receiving reports of work, progressing draft standards, resolving differences among subgroups, and considering views and objections from any source. Meeting notice must be given 30 calendar days in advance and an agenda published 14 days in advance. Meetings of subgroups may be held as decided upon by the members or Chair of the subgroup. Notification of the potential for action shall be included on any distributed agendas for meetings.

Note that all IEEE Standards development meetings are open to anyone who has a material interest and wishes to attend. However, some meetings may occur in Executive Session (see Clause 6.3).

6.1 Quorum

A quorum shall be identified before the initiation of Sponsor business at a meeting, but if a quorum is not present, actions may be taken subject to confirmation by letter or electronic ballot, as detailed in Clause 7.4. When the voting membership is fewer than 50, a quorum shall be defined as a majority of the current total voting membership. When the voting membership is 50 or more voting members, a quorum shall be defined as 10% of the current total voting membership or 26, whichever is greater. Voting members who recuse themselves shall not be counted in the equation to determine whether a quorum exists.

6.2 Conduct

Meeting attendees shall demonstrate respect and courtesy toward each other and shall allow each participant a fair and equal opportunity to contribute to the meeting, in accordance with the IEEE Code of Ethics.

All Working group participants shall act in accordance with all IEEE Standards policies and procedures.

6.3 Executive session

Meetings to discuss personnel or sensitive business matters (e.g., the negotiation of contracts), or for other appropriate non-public matters (e.g., the receipt of legal advice), may be conducted in Executive Session.
6.4 Meeting fees

The Sponsor may charge a meeting fee to cover the expenses of the Sponsor. The fee shall not be used to restrict participation by any interested parties. The Sponsor Officers shall set the meeting fees in consultation with those planning meetings.

Everyone who attends a meeting, except for those specifically excluded due to hardship, shall pay the meeting fee. In the event that a member of the Sponsor has a financial difficulty and is unable to pay the meeting fee, the member may apply to the Sponsor Chair for a partial or complete waiver of the meeting fee. The Chair and Treasurer shall make the decision to grant such relief. These discussions shall remain private.

6.5 Minutes

The minutes shall record the essentials, including the following:

a) Name of group
b) Date and location of meeting
c) Officer presiding, including the name of the secretary who wrote the minutes
d) Attendance, including affiliation
e) Call to order, Chair's remarks
f) Approval of minutes of previous meeting
g) Approval of agenda
h) Technical topics
   1) Brief summary of discussions and conclusions
   2) Motions, including the names of mover and seconder.
i) Items reported out of executive session
j) Next meeting--date and location

Copies of handouts and subcommittee reports may be included in the minutes or made available as separate items.

7.0 Vote

7.1 Approval of an action

Approval of an action requires approval by a majority (or two-thirds) vote as specified below in 7.1.1 (majority), and 7.1.2 (two-thirds). The “majority, two-thirds vote” is defined as one of the following:

a) At a meeting (including teleconferences) where quorum has been established, a vote carried by majority (or two-thirds) approval of the votes cast (i.e., Approve or Do Not Approve votes, excluding abstentions) by the voting members in attendance.
b) By electronic means (including email), a vote carried by majority (or two-thirds) of the votes cast (i.e., Approve or Do Not Approve votes, excluding abstentions), provided a majority of all the voting members of the Sponsor responded.

7.1.1 Actions requiring approval by a majority vote

The following actions require approval by a majority vote:

a) Formation or modification of a subgroup, including its procedures, scope, and duties
b) Disbandment of subgroups
c) Approval of minutes
d) [Delegation to a sub-group for] Authorization of a Sponsor ballot
e) [Approval to jointly sponsor a project (PAR). See Clause 2.1.1]

7.1.2 Actions requiring approval by a two-thirds vote

The following actions require approval by a two-thirds vote:

a) Adoption of new or revised Sponsor procedures, interest categories, or revisions thereof
b) Approval of public statements
c) Approval of change of the Sponsor scope*
d) Approval of termination of the Sponsor*
e) Removal of an officer except the Chair

* Following Sponsor approval, items c and d require notice to the IEEE-SA Standards Board.

7.2 Approval of moving a draft standard to Sponsor ballot

Approval for moving a draft standard to Sponsor ballot, or approval of any substantive change in the scope of a standard proposed by a subgroup, shall be referred to the Sponsor for approval. The Sponsor may delegate approval authority and form a subgroup for this purpose. Approval to move a standard to Sponsor ballot from a subgroup requires a majority vote. This vote shall be limited to procedural issues and PAR alignment only.

7.3 Proxy Voting

Not applicable

7.4 Voting between meetings

At the discretion of the Chair, the Sponsor shall be allowed to conduct voting between meetings by the use of a letter or electronic ballot. If such actions are to be taken, they shall follow the rules of IEEE Bylaw I-300.4(4).
8.0 Communications

All correspondence on behalf of the Sponsor shall contain identification of the Sponsor as the source of the correspondence.

8.1 Formal internal communication

If correspondence between subcommittees or between Working groups of different subcommittees involves issues or decisions (that is, non-routine matters) affecting other subcommittees, copies shall be sent to all affected subcommittee Chairs and the Sponsor officers.

8.2 External communication

Inquiries relating to the Sponsor shall be directed to the Chair, and members shall so inform individuals who raise such questions. All replies to inquiries shall be made through the Chair.

8.3 Public statements for standards

All Sponsor public communications shall comply with the policies of the IEEE-SA Standards Board Operations Manual.

Individuals making public statements that have not been approved by the Sponsor shall state that they are speaking as individuals.

8.3.1 Sponsor public statements

Sponsor public statements shall not be released without prior approval as per Clause 7.1.2 of these procedures.

8.3.2 Subgroup public statements

Subgroup public statements shall not be released without prior approval of the subgroup. Such public statements also require approval of the Sponsor.

Subgroup public statements shall be identified in the first paragraph of the public statement as being specifically the position of the subgroup. These statements shall be issued by the subgroup Chair and shall include the Sponsor Chair in the distribution. Such statements shall not bear the IEEE, the IEEE-SA, or the Sponsor logos.
8.3.3 Public statements to be issued by other entities

If the Sponsor wishes to go to another IEEE entity (as defined in Section 15 of the IEEE Policy and Procedures) to have that entity offer a public statement on a standards matter, they shall do so after agreement from the IEEE-SA Standards Board and after informing the IEEE-SA Board of Governors. Upon Sponsor approval, proposed public statements that need to be issued by other IEEE entities shall be forwarded to the IEEE-SA Standards Board Secretary for further action.

8.4 Informal communications

Informal communications shall not imply that they are a formal position of the IEEE, the IEEE-SA, or the Sponsor.

8.5 Standards publicity

The Sponsor is encouraged to prepare press releases and other forms of publicity to promote their activities. Please see Clause 5.1.4 of the IEEE-SA Standards Board Operations Manual for further instructions.

9.0 Appeals

The Sponsor recognizes the right of appeal on procedural grounds. Technical appeals are referred back to the subcommittee or Working group. Every effort shall be made to ensure that impartial handling of complaints regarding any action or inaction on the part of the Sponsor is performed in an identifiable manner.

The appeals process shall be conducted under the terms of the approved IEEE Computer Society Standards Activities Board Policies and Procedures in effect as of the time of the conduct of the appeal.