



ACADEMY STANDARDS BOARD PROCEDURES FOR THE DEVELOPMENT OF AMERICAN NATIONAL STANDARDS

Mission: to provide accessible highest quality science based consensus forensic standards

1 INTRODUCTION

The American Academy of Forensic Sciences (AAFS) is a not-for-profit organization that provides leadership to advance science and its application to the legal system. The objectives of the AAFS are to promote professionalism, integrity, competency, and education; foster research; improve practice; and encourage collaboration in the forensic sciences.

The American Academy of Forensic Sciences Standards Board, LLC (Company) is a subsidiary of AAFS and is the Standards Developing Organization. Standards developed by the Company address specific standardization needs of the national and international forensic communities that supplement standards promulgated by existing accredited Standards Developing Organizations.

AAFS operates its standards activities through the Company in accordance with procedures outlined in the *ANSI Essential Requirements: Due Process Requirements for American National Standards (ANSI Essential Requirements¹)*. Developed in accord with ANSI's due process requirements of openness, balance, and consensus, the Company's standards serve and protect the public.

The Academy Standards Board (Standards Board) provides policy and procedural oversight for the Company. The Standards Board is made up of individuals appointed by the AAFS Board of Directors. The Secretariat and staff ("Secretariat" within this document) direct the operations of the Company.

2 ORGANIZATION OF THE COMPANY, THE STANDARDS BOARD, AND CONSENSUS BODIES

2.1 General

The Standards Board shall consist of seven (7) voting members appointed by the AAFS Board of Directors with oversight from the AAFS Executive Director. Appointments to the Standards Board are for terms of three (3) years and commence following the AAFS February Annual Board Meeting for full term appointments to the Standards Board. Appointments are staggered so that no more than three (3) membership terms expire annually. Each voting member may serve for a maximum of two consecutive terms. Any member may resign his or her service at any time upon written notice to the Chair of the Standards Board and Secretariat. Any vacancy shall be filled by the AAFS Board of Directors for the remainder of the vacant term and commence immediately following a vote. Any partial term resulting from filling a vacancy term of less than three years but more than one year shall count as a complete term towards the term limit.

The Standards Board is responsible for determining the membership of the Consensus Bodies for proposed standards development. The Standards Board strives for balance so that no single interest category constitutes more than one-third of the membership of a consensus body. Each consensus body shall be sufficiently diverse to ensure reasonable balance in accordance with *ANSI Essential Requirements*. In order to establish balance and diversity the Standards Board and

¹ <https://www.ansi.org/essentialrequirements/>



Secretariat shall reach out to organizations and groups who may have an interest in serving on a consensus body.

2.2 Responsibilities of the Standards Board

In performing the following duties, the Standards Board is subject to voting rules stipulated in the Amended and Restated Operating Agreement of American Academy of Forensic Sciences Standards Board, LLC.

- a) Selecting and removing members of the consensus bodies.
- b) Approving the following consensus body activities: proposals for standards or standards-related projects, revision of standards, discontinuance of standards or standards-related projects, or other projects within the interest of the Standards Board.

NOTE See Section 4.5.4, which defines that approval of a Standard is a function of the consensus bodies.

- c) Reviewing and approving BSR-9 forms, to ensure the *ANSI Essential Requirements* have been followed, required by ANSI procedures prior to designating a standard as an American National Standard (ANS).
- d) Adopting policies and procedures for interpretations of the standards developed by the consensus bodies (see Section 8).
- e) Approving changes to Standards Board procedures.
- f) Appointing appeals panels as required (see Section 5).
- g) Performing actions as needed to maintain and uphold ANSI accreditation based on compliance with *ANSI Essential Requirements* and are in the best interest of the Company.

2.3 Responsibilities of the Secretariat

- a) Overseeing each consensus body's compliance with ANSI procedures.
- b) Maintaining a roster of each consensus body and a list of standards for which the consensus body is responsible.
- c) Providing for administrative work, including secretarial services; preparing meeting notices and handling meeting arrangements; maintaining adequate records and documentation.
- d) Submitting to the Standards Board candidate document PINS notifications based on new work proposals developed and approved by each consensus body.
- e) Preparing and submitting BSR-8 and BSR-9 forms to ANSI in compliance with all ASB and ANSI procedures.
- f) Performing other administrative functions as required by these procedures and the Operating Agreement.



2.4 Responsibilities of the Consensus Body

- a) Creating and approving consensus standards, and technical reports including the revision, reaffirmation, or withdrawal thereof.
- b) Electing officers (chair, vice chair, and secretary) of the consensus body.
- c) Conducting standards development in accordance with these procedures and the requirements of *ANSI Essential Requirements* for balance, lack of dominance, due process, consensus, and right of appeal.
- d) Performing actions as needed to maintain and uphold ANSI accreditation based on compliance with ANSI Essential Requirements and are in the best interest of the Company
- e) Considering comments, views, and objections, and resolving all negative comments.
- f) Responding to requests for interpretations of standards.
- g) Other matters requiring consensus body action as provided in these procedures.

2.5 Interest Categories

2.5.1 All appropriate interests that are directly and materially affected by the standards activity of the Company have the opportunity for fair and equitable participation. Interest categories shall be discretely defined, cover all materially affected parties, and differentiate each category from the others. The definitions of the interest categories are outlined in Section 2.5.2. Each applicant shall propose their own interest category as appropriate and in accordance with the established categories. Applicants may be contacted by the Secretariat and/or Standards Board to reconsider their interest category if it is determined that their qualifications are more applicable or equally appropriate to another interest category. The interest categories are established or revised by a vote of the Standards Board. The rationale for the selection of categories shall be included in the Standards Board ballot and submitted to ANSI as part of the accreditation requirements.

2.5.2 Interest categories include the following.

Academics and Researchers – Instructors or researchers from accredited institutions of learning, especially those with curricula or programs relating to forensic sciences, foundational sciences, public health, and other applicable disciplines. Researchers in the fields related to forensic sciences not affiliated with an academic institution. Excludes non-teaching students and full or part time instructors who also currently serve as law enforcement or jurisprudence professionals. (Category includes: professors, advanced graduate students, statisticians, private sector and government researchers, etc.)

General Interest – All materially impacted parties not included in other interest categories. Includes, for example, individuals not directly involved in forensics, non-practicing individuals with 5 or more years of experience in forensic or forensic-related practices, activities, research, or policy implementation. (Category includes: retired forensic practitioners, retired academia, etc.)



Jurisprudence and Criminal Justice – Persons involved in jurisprudence or law enforcement activities. Includes non-practitioner law enforcement, practicing and retired attorneys (civil and criminal), practicing and retired judges. Also includes victim advocates, current and retired legal and jurisprudence professionals teaching (non-research) at accredited educational institutions. (Category includes: detective, sexual assault nurse examiners, etc.)

Organizations – Regional, national, and international organizations with missions and activities directly related to forensic sciences, research, activities, education, practices, and policies. Also includes advocacy organizations involved in forensic procedures, processes, and outcomes; as well as certification and accreditation organizations. Organization applies as the member.

Producer – Industries or companies that design, manufacture, or otherwise support product development and application relative to forensic sciences and activities. Membership category may be organization or individual. (Category includes: instrument/equipment manufacturers, reference material producers, proficiency test manufacturers, quality control product producers, evidence collection kit manufacturers, chemical manufacturers, etc.)

User - Government – Persons from government entities currently involved with forensic-related case work activities. Includes laboratory, coroner, and medical examiner personnel; laboratory managers and policy-makers; forensic analysts; and crime scene investigators. (Category includes: forensic scientists, friction ridge examiners, footwear and tire examiners, coroner and medical examiner personnel, forensic odontologists, forensic anthropologists, etc.)

User - Non-Government – Persons from non-government entities currently involved with forensic-related case work activities. Includes non-governmental laboratory, coroner, and medical examiner personnel; laboratory managers and policy-makers; forensic science consultants; forensic analysts; and crime scene investigators. (Category includes: private forensic scientists, friction ridge examiners, footwear and tire examiners coroner and medical examiner personnel, forensic odontologists, forensic anthropologists, etc.)

The Standards Board may vote to change these according to need as long as the *ANSI Essential Requirements* for openness, balance, and due process are upheld.

2.6 Communications

2.6.1 General

Standards-related correspondence of the Standards Board, the Secretariat, and consensus body chairs should be on AAFS Standards Board LLC letterhead or, if by electronic means not in the format of a letter or memorandum, it must be clear that the writer is communicating in the role of an officer of the Standards Board or as a member of the Company, the Secretariat, or a member of the consensus body.

2.6.2 Formal Internal Communication

If correspondence between consensus bodies or subgroups involves issues or decisions on non-routine matters and affecting other consensus bodies or subgroups, copies shall be sent to all affected chairs, the Secretariat, and the Standards Board.



2.6.3 External Communications

Inquiries relating to the activities of the Standards Board and its consensus body or bodies shall be directed to the Secretariat and/or consensus body officers. All replies to inquiries may be drafted by the Standards Board, CB officers, or Secretariat and responses shall be through the Secretariat within 30 days.

3 NOTIFICATION OF STANDARD DEVELOPMENT AND COORDINATION

3.1 General

In addition to notification of Company standards activity in *ANSI Standards Action*, notification of standards development activity shall be announced in suitable media as appropriate to allow for participation by all directly and materially affected persons who wish to contribute.

Notification of standards development, including response to comments received from the filing of Project Initiation Notifications (PINS) and the Board of Standards Review BSR-8 forms with ANSI, and from coordination, shall comply with the requirements in Clauses 2.5 and 2.6 of the *ANSI Essential Requirements*.

For the purpose of this document, Best Practice Recommendations are considered Standards. Technical Reports do not require notifications to ANSI, though they will follow the same internal Standards Board Procedures.

3.2 Project Initiation

The Standards Board, upon request from a consensus body (CB), approves the initiation of a proposed new standard, a revision or reaffirmation of a standard (submitted on ASB New Work Proposal form), or the discontinuance of a standard. Following CB and Standards Board approval, the Secretariat submits a PINS for proposed new, revised, and national adoptions; a PINS is optional for reaffirmations and withdrawals (discontinuance) of an existing ANS.

In addition to the Company's public notice of standards development activities, at the start of each project intended for approval as an American National Standard (ANS), a PINS form shall be submitted to ANSI by the Secretariat for publication in *ANSI Standards Action*. The information supplied to ANSI by the Secretariat shall include all relevant material as required by the *ANSI Essential Requirements*.

If the Secretariat receives written comments within 30 days from the publication date of a PINS announcement in *ANSI Standards Action* and said comments assert that a proposed standard duplicates or conflicts with an existing ANS or candidate ANS previously announced, a mandatory deliberation of stakeholders shall be held within 90 days and a related PINS Deliberation Report(s) shall be submitted to ANSI subject to the relevant provisions in the *ANSI Essential Requirements*. Such a deliberation shall be organized by the Secretariat and the commenter, and such deliberation shall be concluded before the Company may submit a BSR-8 form.

3.3 Public Review of Standards and Technical Reports

Each proposed new ANS and proposal to revise, reaffirm, or withdraw approval of an existing ANS shall be transmitted to ANSI using the BSR-8 form for listing in *ANSI Standards Action* in order to provide an opportunity for public comment on the standard. In addition, efforts shall be made to announce public reviews in suitable media as appropriate to allow for participation by as many affected persons (e.g. through professional organizations). Technical Reports do not require notifications to ANSI, though they will follow the same public review procedures.

The proposed standard under public review shall be available to the general public via the ASB website. The comment period shall be a minimum of 45 days. If the proposed standard cannot be published on the website, a suitable alternative will be provided and communicated through *ANSI Standards Action* and other suitable media. If it is the case, then a statement of intent to submit the standard for consideration as an ISO, IEC, or ISO/IEC JTC-1 standard shall be included as part of the description of the scope summary that is published in *ANSI Standards Action*.

Such listing may be requested at any stage in the development of the proposed standard (subject to CB approval) and may be concurrent with final balloting. However, any substantive change subsequently made in a proposed ANS requires listing of the change in *ANSI Standards Action*. Depending on the extent of revisions from balloting and/or public review, a proposed standard may go through this process more than once.

NOTE See also Section 4.6 for consideration of views and objections.

4 CB ACTIVITIES

4.1 CB Officers

Each consensus body, shall appoint officers [chair, vice chair(s), and secretary(ies)] from their membership subject to the approval of the consensus body. The chair and vice chair(s) shall be responsible for developing agendas, conducting meetings, establishing timeframes for the development and completion of standards, appointing subgroups as needed, upholding voting procedures, leading the body toward consensus, communicating with the Secretariat, and other actions as needed to bring standards activities to successful completion.

The secretary(ies) shall be responsible for taking and writing minutes of the meetings; presenting the minutes of the previous meeting for approval; recording attendance at all meetings; sending a notice to any member not meeting participation requirements, asking if the individual plans to continue as a member of the Consensus Body; recording votes during meetings.

The officers shall each serve two-year renewable terms, subject to approval by the consensus body.

4.2 CB Membership

4.2.1 General

Consensus Body members are volunteers. Interested parties shall submit an application for membership on a consensus body. Members of a consensus body shall consist of organizations, companies, government agencies, and individuals having a direct and material interest in the



activities of the Company, forensic sciences, law enforcement, legal and other actions impacted by forensics and forensic standards. The Standards Board shall oversee the initial establishment of each consensus body, striving to achieve balance in the process.

The selection and addition of members following the establishment of the initial consensus body shall be subject to the review of the Secretariat and a majority vote of the total number of voting members of the Standards Board. The termination of any member of a consensus body shall be subject to the review of the Secretariat and majority vote of the voting members of the Standards Board.

The selection and addition of members to each consensus body shall strive for no fewer than 7 and no more than 25 members and shall be constituted to ensure compliance with *ANSI Essential Requirements*.

Appointment as a CB Member (individual or organizational) is for a 5-year term. There are no term limits. Members must reapply at the end of their 5-year term if they wish to continue on the CB. A Member whose term has expired but has reapplied may continue to serve as a full CB member until the Standards Board has acted upon their application.

Members are required to inform the Secretariat of any relevant professional changes, or change in contact information in order to properly re-identify the appropriate interest category and to ensure the members are receiving information relevant to the activities of the CB.

4.2.2 Application

- a) Individuals and Organizations seeking membership on a consensus body shall complete a CB Application form and submit it to the Secretariat. A request for membership shall indicate the applicant's direct and material interest in participating on a CB, and the applicant's affiliation, qualifications, and willingness to participate actively. If the applicant is an organization, it shall identify a representative and, if desired, an alternate. The application form may be revised by the Standards Board, as needed with the approval of the applicant.
- b) In recommending the members of the CB, the Secretariat, prior to making a recommendation to the Standards Board, shall consider the following:
 - 1) need for active participation by each interest category;
 - 2) potential for achieving or maintaining balance;
 - 3) extent of interest expressed by the applicant and the applicant's willingness to participate actively;
 - 4) commitment of the representative identified by the applicant organization, company or government agency.



4.2.3 Review of Membership

The Secretariat shall review each consensus body membership list at least annually with respect to the criteria of Section 4.2.4. Members are expected to fulfill the obligations of active participation and respect for consensus.

Where a member is found in habitual default of the obligations in Section 4.2.4, the Chair, and/or an officer on the Chair's behalf, of the consensus body shall direct the matter to the Secretariat for appropriate action, which may include termination of the membership on the consensus body.

4.2.4 Consideration of Removal of Consensus Body Membership

Consensus Body members may be removed for the following, but not necessarily all inclusive, reasons:

- a) failure to attend three consecutive meetings, where attendance includes in-person, telephonically, or electronically; or
- b) failure to return three consecutive ballots;
- c) obstructive behavior that inhibits or prevents the mission or processes of the consensus body.

NOTE Removed CB members may still participate in the standards development process through open CB meetings, public comment, etc.

In the first two cases, the Secretary of the Consensus Body shall correspond with the member to ask if the member is interested in continuing membership and forward the response (if any) to the Secretariat. If the member requests to continue, they shall be placed in non-voting status and only regain voting status upon attendance at two consecutive meetings. If the member does not attend both of the consecutive meetings of the Consensus Body following notification by the Chair, the Standards Board shall act to remove the member from the Consensus Body.

In the case of disruptive behavior, the Consensus Body chair, with a 2/3 majority vote by the eligible voting members of the consensus body, can request through the Secretariat that the Standards Board remove the member for cause.

4.2.5 Membership rosters

The Secretariat shall maintain a current and accurate consensus body roster and shall distribute it to the members and their consensus body representatives upon request. The roster shall include the following:

- a) title of consensus body;
- b) scope of the consensus body;
- c) officers: chair, vice chair(s), and secretary(ies);



- d) members: name of person, organization, or agency, its representative and alternate as applicable, and business affiliations; or name and business affiliation of each member;
- e) interest category of each member; and
- f) tally of interest categories: total of voting members and subtotals for each interest category.

4.3 Subgroups Created by the Consensus Body

Subgroups (also called “working groups”) may be formed to expedite the work of the consensus body. Subgroups serve an advisory function and the final approval of a document as an ANS rests with the relevant consensus body. Subgroups may be made up of members of the consensus body and/or other experts from outside the consensus body.

Subgroup meetings may be scheduled at any time. The meetings are not required to be posted on a public calendar (see Section 4.4.2) and are not open to the public.

4.4 Meetings

4.4.1 Consensus Body

Consensus body meetings shall be held as decided upon by the consensus body, the chair, or by petition by a majority of the eligible voting members of the consensus body. Meetings may be in-person, telephonic, or electronic.

Consensus body meetings are run in accordance with *Robert’s Rules of Order*.

4.4.2 Open Meetings

Meetings of the consensus body shall be open to all members and others having a direct and material interest. The Secretariat shall maintain a calendar on the ASB website of CB meetings.

At least three weeks’ notice of regularly scheduled meetings of the consensus body shall be given by the Secretariat in media designed to reach directly and materially affected interests. The notice shall describe the purpose of the meeting and shall identify a readily available source for further information.

All attendees shall identify themselves during roll call and if making a comment. Non-voting observers may participate by indicating a desire to speak and then being recognized at the discretion of the chair.

4.4.3 Quorum

A quorum as defined by *Robert’s Rules of Order*², “a minimum number of members who must be present—is required for a meeting to conduct substantive business.” “When no quorum is present

² *Robert’s Rules of Order Newly Revised*, 11th ed. 2011. Da Capo Press. www.robertsrules.com



the meeting can do only a very limited number of things, such as set the time and place for another meeting.”

A majority (half, plus one) of the eligible voting members of the consensus body shall constitute a quorum for conducting business at a meeting.

4.4.4 Observers

Observers shall be advised of the consensus body activities, may attend meetings, and may submit comments for consideration, but shall have no vote and have no meeting obligations.

4.5 VOTING – Consensus Bodies

4.5.1 General

Votes may be obtained by recorded votes at a meeting, or by electronic means. All eligible members have the right to vote on actions defined in Sections 4.5.3 and 4.5.4.

4.5.2 Vote

4.5.2.1 Voting Positions

Except in regard to votes on membership and officer-related issues, each eligible member shall vote one of the following positions:

- a) affirmative;
- b) affirmative, with comment;
- c) negative, with reason(s); the reason(s) for a negative vote shall be given and, if possible, include specific wording or actions that would resolve the objection; negative votes not accompanied by reasons or not related to the proposal under consideration shall not be considered; when a negative vote without reason is submitted contrary to the stated ballot requirement to include a reason, the vote shall be recorded as “negative without comment” for the purposes of establishing quorum but resolution is not required; no response is necessary to the submitter of a negative vote without reason, and no recirculation of the negative vote is required; or
- d) abstain, with reason(s); the reason(s) for an abstention shall be given.

For votes on membership and officer-related issues, the yes/no/abstain method of voting shall be followed.

4.5.2.2 Vote of Alternate

For organizational members, the designated alternate’s vote may be counted only if the primary representative does not vote.

4.5.2.3 Single Vote

No representative shall have more than one vote.

4.5.2.4 Voting Period

The voting period for letter ballots shall end 30 days from the date of issue (14 days for recirculation votes) or as soon as all ballots are returned, whichever comes earlier. An extension may be granted at the chair's discretion when warranted.

4.5.2.5 Communication for Ballots

A follow-up communication, including letter and/or email, requesting immediate return of the ballot shall be sent, as appropriate, to members and alternate members whose votes have not been received before the ballot closes.

4.5.3 Actions Requiring Approval by a Majority, Excluding Abstentions (Procedural Vote)

The following actions require approval by a majority (half, plus one) of the eligible voting members of the consensus body. The vote may be at a meeting or electronic ballot:

- a) approval of a new work proposal to move forward to the Standards Board for a vote;
- b) approval of a document to move forward for public comment;
- c) approval of resolutions of comments to a standard;
- d) withdrawal of a new work proposal already processed through the ANSI PINS process.

4.5.4 Actions Requiring Approval by a Two-Thirds Majority, Excluding Abstentions

The following actions require approval by a two-thirds majority of the eligible voting membership of the consensus body by electronic letter ballot:

- a) approval of a new standard;
- b) approval of a revision or addendum to part or all of a standard;
- c) approval of withdrawal of an existing standard;
- d) issuance of an interpretation to a standard; and
- e) approval of consensus body officers.

For ballots involving the approval of a new, revised, or addendum to a standard, a consensus body member may change their vote following the disposition of views and objections. This shall be done in writing to the Secretariat within 30 days.

4.5.5 Authorization of Letter Ballots

Letter balloting shall take place electronically. A letter ballot may be authorized by any of the following:

- a) majority vote of the eligible voting members of the consensus body;

- b) the chair (or vice chair in the absence of the chair);
- c) the Secretariat; or
- d) petition of the majority of the eligible voting members of the consensus body.

4.5.6 Report of Final Review

The final report of the voting shall be reported, by interest categories, to the consensus body. For standards intended to become an ANS, the final report shall also be provided to ANSI in the BSR-9 form.

4.6 Disposition of Views and Objections

4.6.1 Upon close of public review period and/or balloting, prompt consideration shall be given to all written views and objections, including those resulting from the public review announcement in *ANSI Standards Action*.

4.6.2 Objections shall be reviewed with the consensus body voters and good faith efforts made to resolve the objections.

4.6.3 If clear instruction is provided on the ballot, and a negative vote unaccompanied by reasons/comments related to the proposal is received notwithstanding, no further resolution shall be required, the vote shall be counted and recorded as “negative without reason”.

Negative votes accompanied by reasons not related to the standard under consideration need not be resolved, and the vote shall not count. Such votes (i.e., negative vote without reasons/comments or negative vote accompanied by reasons/comment not related to the standard) shall not be factored into the numerical requirements for consensus. The consensus body is not required to solicit any reasons/comment from a negative voter. The consensus body is not required to conduct a recirculation ballot of a negative vote submitted without reasons/comment or with reasons/comments not related to the proposal.

4.6.4 If comments not related to the standard are submitted, the comments shall be documented and do not need to be addressed.

4.6.5 Substantive change made in a proposed standard shall be re-circulated to the entire consensus body within 30 days and will open a new ballot and public review period. Any substantive change shall also be announced for public comment in *ANSI Standards Action*.

4.6.6 The objector(s) will be advised by email of the disposition of the objection(s) and the reasons therefore.

4.6.7 All unresolved objectors shall be informed in writing by the Secretariat (including electronic communications) that an appeals process exists within procedures used by the ASB. If an item has had prior discussion, with substantially the same comment being repeated that was previously made on the same issue within the same revision cycle of a particular standard, it shall not be necessary to reconsider it unless new information has been introduced. If no new



information is introduced, the previous decision of the consensus body shall stand, and the objector(s) so advised.

4.6.8 Unresolved objections, attempts at resolution, and any substantive change made in a proposed standard shall be reported to the entire consensus body within 30 days in order to afford all voting members of the consensus body an opportunity to respond, reaffirm, or change their vote. Any substantive change shall also be announced for public comment in ANSI Standards Action. Each negative vote and objection submitted by a voting member of the consensus body and/or public review objector that is not resolved must be reported to the ANSI Board of Standards Review (BSR) as part of the final BSR-9 submittal to ANSI after the appeals process has concluded.

4.6.9 If resolution is not achieved, the consensus body and/or public review objector will be informed in writing (including electronic communications) of the right to file a procedural appeal with the Company (see Section 5).

5 APPEALS

5.1 General

Persons who have directly and materially affected interests and who have been or might be adversely affected by a procedural action or inaction of the consensus body or the Secretariat shall have the right to appeal. Appeals shall be based on perceived procedural actions or inactions of the consensus body. Technical content as such is not subject to the appeals process.

5.2 Complaint

The appellant may initiate the appeals process by filing a written complaint with the Secretariat within thirty days after the date of notification of action or at any time with respect to inaction. The complaint shall state the nature of the objection(s) including:

- a) any adverse effect;
- b) the Clause(s) of these procedures or the standard that is at issue; and
- c) actions or inactions that are at issue, and the specific remedial action(s) that would satisfy the appellant's concerns.

Previous efforts to resolve the objection(s) and the outcome of each shall be noted.

5.3 Response

Within thirty days after receipt of the complaint, the Secretariat, given the consensus body response, shall respond in writing to the appellant, specifically addressing each allegation of fact in the complaint.

5.4 Hearing

If the appellant and the respondent (the consensus body via its working group) are unable to resolve the written complaint informally in a manner consistent with these procedures, the



Secretariat shall schedule a hearing with an appeals panel on a date established by the Secretariat, giving at least fourteen days notice. The Secretariat shall strive to accommodate any extraordinary circumstances impacting the objector and the respondent that impact selection of a date.

5.5 Appeals Panel

The appeals panel shall consist of three individuals, selected by the Secretariat, who have not been directly involved in the matter in dispute, and who will not be materially or directly affected by any decision made or to be made in the dispute. At least two members shall be acceptable to the appellant and at least one shall be acceptable to the respondent. If the appellant and respondent cannot agree on the composition of the appeals panel, the Standards Board shall appoint the panel by a majority vote. The panel members shall select a chair.

5.6 Conduct of the Hearing

The chair of the appeals panel will conduct the hearing. The appellant has the burden of demonstrating adverse effects, improper actions or inactions, and the efficacy of the requested remedial action. The respondent (generally represented by the Secretariat and/or consensus body chair) has the burden of demonstrating that the consensus body and the Secretariat took all actions in compliance with these procedures and that the requested remedial action would be ineffective or detrimental. Technical content of a standard is not the subject of an appeal but rather the procedural actions or inactions of the consensus body.

5.7 Decision

The appeals panel shall render its decision in writing within thirty days, stating findings of fact and conclusions, with reasons therefore, based on a prevalence of the evidence presented to the appeals panel. Consideration may be given to the following positions, among others, in formulating the decision:

- a) finding for the appellant, remanding the action to the consensus body or the Secretariat with a specific statement of the issues and facts in regard to which fair and equitable action was not taken;
- b) finding for the respondent, with a specific statement of the facts that demonstrate fair and equitable treatment of the appellant and the appellant's objection(s); or
- c) finding that new, substantive evidence has been introduced, and remanding the entire action to the consensus body or the Secretariat for appropriate reconsideration.

5.8 Notification

The Secretariat shall notify the appellant, the Standards Board, and the consensus body of the decision of the appeals panel. The appellant has the right to seek a further appeal by submitting a request directly to ANSI.

6 RECORDS

6.1 All records related to the approval, revision, or removal of a standard as an ANS, including minutes, ballots, correspondence, consensus body membership, and other relevant material shall be filed with the Secretariat. Records shall be accessible to directly and materially interested parties, subject to reasonable conditions of time, location, cost, and convenience. Records will be maintained, at a minimum, until the next scheduled ANSI audit.

6.2 Records concerning new, reaffirmed, or revised standards shall be retained for at least one complete cycle (until the standard is reaffirmed, revised, or withdrawn).

6.3 Records concerning withdrawn standards shall be retained for at least five years from the date of withdrawal.

7 POLICIES

7.1 Metric

7.1.1 Metric (SI) units shall be the preferred unit of measure in all standards developed by the consensus bodies of the Company.

7.1.2 Non-SI units may be indicated in parentheses following the SI units, or may be provided in a table of equivalent values in an informative annex;

7.1.3 When non-SI units are those used throughout the U.S. industry for the specific application, the non-SI units may be used in the standard. SI units may be indicated, if appropriate, in parentheses following the non-SI units, or may be provided in an informative annex.

7.2 Commercial Terms and Conditions

Each Company sponsored ANS will follow the ANSI procedures for and will strictly adhere to ANSI's Commercial Terms and Conditions as it is stated in Item 3.2 of *ANSI Essential Requirements*.

7.3 Patent Policy – Inclusion of Patents in American National Standards

Each Company sponsored ANS shall be in compliance with ANSI's patent policy as stated in Item 3.1 of *ANSI Essential Requirements*.

7.4 Antitrust Policy

Each Company sponsored ANS shall be developed in accordance with applicable antitrust and competition laws and meetings amongst competitors to develop an ANS are to be conducted in accordance with these laws.

8 INTERPRETATIONS

8.1 Formal interpretations are for providing formal explanations of the meaning or intent of the consensus body on any specific provision or provisions of any document.



8.2 A statement, written or oral, that is not processed in accordance with these procedures shall not be considered the official position of the Standards Board or any of its consensus bodies or subgroups, and shall not be considered, nor relied upon, as a formal interpretation.

8.3 All requests for interpretation or clarification shall be submitted in writing to the Secretariat who will register and review the request before action by any consensus body or subgroup is initiated. The Secretariat shall issue an interim acknowledgement of the inquiry within seven days of receipt.

8.4 Simple requests for information about a standard shall be answered by the Secretariat, in consultation with the relevant consensus body chair, as appropriate.

8.5 Other requests shall be forwarded by the Secretariat to the chair of the consensus body that developed the standard with a notification to the Standards Board. If the consensus body is no longer active, the Secretariat shall request not less than four members or former members of the originating consensus body or subgroup or other available experts to serve as an ad hoc advisory group to consider the request.

8.6 The consensus body chair or the Secretariat shall take the following actions on the request:

- a) schedule the request on the agenda for the next meeting of the consensus body;
- b) once the draft response is prepared, the response will be circulated to the consensus body and the originator will be invited to the meeting at which the inquiry will be discussed along with the recommended response.

8.7 After appropriate discussion, approval of the technical recommended response shall be by letter ballot, and must be approved by the consensus body as per 4.5.4.

8.8 The consensus body chair shall return the recommended response to the Secretariat with the following documentation:

- a) transmittal letter summarizing the response by the consensus body;
- b) debate, if any (including minority views);
- c) resulting motions;
- d) the interpretation in response to the technical question(s); and
- e) a record of the vote by member interest category.

8.9 Upon completion of the previous step, the Secretariat shall transmit a copy of the interpretation to the originator of the request. The Secretariat shall also publish the interpretation to the general public.



9 AMERICAN NATIONAL STANDARDS

9.1 Submittal of Evidence of Procedural Compliance to ANSI for Approval as an ANS

Upon conclusion of the consensus process, including the appeals process, evidence of procedural compliance in accordance with the *ANSI Essential Requirements* shall be submitted to ANSI using the BSR-9 form, within 1 year of the close of the final public comment period, unless an extension has been granted by ANSI.

9.2 Maintenance and Publication of ANSs

Each ASB standard approved as an ANS shall be published within six months of approval as such, unless an extension has been granted by ANSI. Each ANS shall be kept current by means of timely revision or reaffirmation in accordance with the *ANSI Essential Requirements*. Obsolete standards shall be withdrawn.

Periodic maintenance is defined as the maintenance of a standard by review of the entire document and action to revise or reaffirm it on a schedule not to exceed five years from the date of its approval as an American National Standard.

If an ANS is no longer supported by a consensus body, the Secretariat shall notify ANSI immediately and the standard will be withdrawn as an ANS and announced as such in *ANSI Standards Action*.

If the Standards Board, at its own discretion and without a vote of the relevant consensus body, decides to abandon the processing of a proposed new or revised ANS or portion thereof, it shall notify ANSI immediately and an announcement shall be placed in *ANSI Standards Action*.