

BYLAWS**ASME RESEARCH AND TECHNOLOGY COMMITTEE ON
WATER AND STEAM IN THERMAL SYSTEMS****ARTICLE I - SCOPE AND FUNCTIONS**

The scope and functions of the Research and Technology Committee on Water and Steam in Thermal Systems are:

A. Scope

The Committee's activities shall encompass all aspects of water and steam technology significant to steam generation and use. The work will address the properties of water and steam, solutions and suspensions, interactions with metallic and other solid surfaces and water treatment practices. It will apply to utility, industrial and institutional steam generating systems. It will also apply to the properties of water, steam and aqueous solutions in all thermal systems.

B. Functions

1. Determine where research is ongoing and required on water technology and on the properties of water and steam in steam generation and other systems.
2. Encourage, sponsor and direct research to increase the state-of-knowledge in all pertinent areas.
3. Prepare and publish, or encourage others to publish, relevant documents on water technology and on the properties of steam, water and aqueous systems relevant to steam technology.
4. Coordinate ASME activities in connection with the properties and technology of water and steam; review and approve prior to official ASME release and publication all papers and special volumes relating to water and steam in thermal systems.
5. Represent both ASME and the United States in the International Association for the Properties of Water and Steam (IAPWS).
6. Encourage the development of technically competent personnel in this field of activity from industry, academia, and government to serve on this Committee.

ARTICLE II - ORGANIZATION

The Committee shall consist of members with appropriate training and experience, who desire to participate actively in the advancement of the purposes of the Committee. Membership in the ASME is not mandatory but is desirable for eligibility to Committee membership. Membership in ASME is mandatory to serve as an officer of the Committee or be appointed Chair of a Subcommittee.

Members shall be appointed to the Committee by the Chair of the Board on Research & Technology Development of ASME after election by the Committee and approval by the Board. Nominations for membership will normally be made by a Nominating Subcommittee but may be made from the floor in any regular Committee meeting.

The members of the Committee shall elect a Chair, a First Vice Chair, a Second Vice Chair and a Secretary as its officers. The Committee shall meet at least twice each year, at a time and location as determined by its members. Special meetings may also be convened by the Chair or at the request of three or more members of the Committee.

A quorum for a meeting of the Committee shall consist of a majority of the Regularly Appointed Members of the Committee. Official acts of the Committee, such as the election of officers, modification of these bylaws and publication of Committee consensus documents must be approved by a simple majority of all members voting. Abstentions shall count toward the quorum requirement, but not toward the determination of a majority vote. Mail or electronic ballot may be used for all matters except for election of officers. The quorum requirement at a regular meeting may be waived for the purpose of electing officers, in which case election to an office requires a two-thirds majority of the members present.

To avoid conflict of interest, no member who is, or expects to be, involved in direct contract research for the Committee shall be permitted to vote or participate in any fashion in the Committee on matters pertaining to that contract.

ARTICLE III - EXECUTIVE SUBCOMMITTEE

The Committee will be governed by an Executive Subcommittee consisting of the principal officers, the chairs of the Subcommittees and the official representative of the USA to IAPWS. The Chair of the Committee shall also be Chair of the Executive Subcommittee. Past chairs of the Committee who retain active membership shall be ex-officio members and shall have full voting privileges.

The Executive Subcommittee shall conduct business, as required, between regular meetings of the Committee. It shall meet at the call of the Chair. No action of the Executive Subcommittee shall be valid unless ratified by a majority of the Regularly Appointed Members of the Committee, either at its next meeting or by letter ballot.

ARTICLE IV - NOMINATING SUBCOMMITTEE

The Nominating Subcommittee shall be chaired by the First Vice Chair of the committee and consist of the principal officers of the committee and the Subcommittee chairs.

The duties of the Nominating Subcommittee shall be:

- a. To nominate those who have made significant contributions to the activities of the Committee or one or more Subcommittees for membership on the Committee.
- b. To study the record of members of the Committee whose terms are expiring and re-nominate those members who are still active and interested.
- c. To nominate for special recognition those members that have made significant contributions to the activities of the committee.
- d. To nominate candidates to fill vacancies in the principal offices of the Committee and the Chair position of other Subcommittees.

The Nominating Subcommittee shall make its recommendations to the Committee, at the meeting immediately preceding January 1 of each year, so that the Committee may take action to complete its organization for the coming year. Nomination of candidates for Committee office shall be made in odd-numbered years, at this meeting. Recommendations for the addition of new members and the filling of vacancies may be made at any time during the year.

Suggestions for Committee membership shall be provided to the Nominating Subcommittee prior to any Committee meeting at which the Subcommittee will be making its recommendations to the Committee.

ARTICLE V - OTHER SUBCOMMITTEES AND TASK GROUPS

The Committee may establish Subcommittees and Task Groups as needed to carry out its purposes. The Chair of each Subcommittee shall be appointed by the Committee Chair with the advice and approval of the Committee.

A Subcommittee Vice Chair and/or Secretary may be appointed by the Subcommittee Chair. The Chair of each Task Group shall be appointed by the appropriate Subcommittee Chair. Appointments to Subcommittee and Task Group Membership shall be made by the appropriate Subcommittee and Task Group Chairs.

ARTICLE VI - JOINT SUBCOMMITTEES

The Committee will establish a liaison with other professional committees pursuing activities related to steam and water in thermal systems so as to optimize the contributions of each group. The Second Vice Chair will be responsible for promoting the activities of the Committee and coordinating our efforts with those of the other organizations.

The Committee may establish Joint Subcommittees with other research committees within the ASME, or with other Societies or Technical Groups as desired, to advance the purpose of the Committee. Method of choice of members and officers of a Joint Subcommittee will be determined by conference of the sponsoring organizations.

ARTICLE VII - TERMS OF MEMBERSHIP AND TENURE OF OFFICE

The terms of membership on the Committee shall correspond to the fiscal year, which begins on July 1 and terminates on June 30.

Committee members shall be appointed for an initial (trial) term of two years and may be reappointed for additional terms of four years. Reappointment shall be based on continued interest and attendance at meetings and on active participation in the work of the Committee. Furthermore, the Committee shall actively pursue the addition of new members so that there is an appropriate distribution of ages and committee experience among members. Within this guideline, there shall be no limit on the number of times an individual can be re-appointed.

People interested in the affairs of the committee may be appointed as Corresponding Members of the Committee. Regularly Appointed Members of the Committee, who have been unable to attend two consecutive regularly scheduled meetings of the Committee will be reclassified as Corresponding Members of the Committee. They shall have all rights and privileges of membership, but they will not be counted toward the number of members on the committee on which a quorum is based. Upon attendance at a meeting the Corresponding Member will return to Regular Appointed Membership status.

Corresponding Members who miss four consecutive meetings and have not been actively corresponding with the committee must petition the Chair of the Committee and receive the Chair's approval to maintain their status of Corresponding Member for an additional two year term. At the end of each two year term Corresponding Members may once again petition the Chair for an additional two year term. Failure to receive the Chair's approval for additional terms of membership at any time will result in termination of membership on the Committee.

Details of the terms of office for the Committee officers and for the Chair and members of Subcommittees and Joint Committees are as follows:

Officers and Chair of Subcommittees. The terms of the Committee officers shall be two years in each position. Committee officers other than the Secretary are not eligible for re-election to the

same office for a period of six years. Subcommittee officers shall also serve for two years and may be re-appointed for additional two-year terms.

Joint Subcommittees. The terms of membership of Subcommittee and Task Group members shall be for one year, but they may be re-appointed by their respective Subcommittee Chair to successive terms as long as they continue to indicate interest by attendance at Subcommittee meetings and by active participation in the work of the Subcommittee.

Other Subcommittees and Task Groups. The terms of membership of Subcommittee and Task Group members shall be for one year but they may be re-appointed by their respective Subcommittee Chair to successive terms as long as they continue to indicate interest by attendance at Subcommittee meetings and by active participation in the work of the Subcommittee.

ARTICLE VIII - MEMBERSHIP EMERITUS

The Committee from time to time may recognize the outstanding contribution made by an individual in the fields of water and/or steam as an active member of the ASME Research and Technology Committee on Water and Steam in Thermal Systems when this individual is no longer active in the field. Such recognition may be given by recommending that he or she be made a Member Emeritus of the Committee. The announcement of election to this grade should be made by the Chair of the Board on Research & Technology Development, and the member shall hold it for life.

ARTICLE IX - COMMITTEE RECORDS

The Secretary of the Committee shall be responsible for keeping a complete set of records for the Committee. Copies of all correspondence on Committee affairs shall be sent to the Secretary. Copies of all minutes and pertinent correspondence shall also be sent to the Director, Research. No records need be kept of action of any Nominating Subcommittee except the report submitted to the Committee. With regard to Subcommittees, if any have a Secretary, he or she will keep the records of correspondence and actions. The Secretary shall transfer all records to the incoming Secretary. Periodically, records which are out of date and no longer relevant may be destroyed with the approval of the Committee, or delivered to the Committee Historian, if there is one.

ARTICLE X - COMMITTEE FUNDS

All monies received by the Committee to be used to further its activities shall be deposited in one or more Custodian Accounts which will be maintained by the ASME as Custodian of the funds. Disbursement from a Custodian Account shall be made only with the approval of two officers of the Committee and ASME's Director, Research (or his/her designee), except that in

the case where money was raised for a special project, the approval of the Chair of the Subcommittee supervising the project shall be substituted for one of these approvals.

If a subcommittee has a separate Custodian Account, disbursement from that account requires a majority vote of the subcommittee members in attendance at a meeting and approval of both the subcommittee and main committee Chairs. An emergency approval of a required disbursement may be made with the approval of the subcommittee Chair and main committee Chair; if the amount of the disbursement exceeds a threshold of \$2000 or 10% of the balance in the account, whichever is smaller, the approval of another main committee officer is also required. Another exception is the recurring expenses (such as the annual IAPWS dues and travel expenses for the U.S. representative to IAPWS meetings) which may be approved by the Chair of the subcommittee. In all instances, the approval of the ASME's Director, Research (or his/her designee) is also required.

ARTICLE XI - AMENDMENTS

It is the responsibility of the First Vice Chair to review these Bylaws at a minimum frequency of once per year and when appropriate recommend changes to the Committee membership. Changes to the Bylaws can be proposed by any Committee member when they deem it appropriate. These Bylaws shall become effective upon approval by a majority of the Regularly Appointed Members of the Committee and by the Board on Research and Technology Development. They may be amended at any regular meeting of the Committee or by mail ballot. Any proposed amendment must be mailed to all members of the Committee at least 30 days before the date of the meeting or mail ballot deadline. Votes received by mail prior to the meeting will be considered as votes of members present. Any amendments to these Bylaws must be approved by the Board on Research and Technology Development.

Approved:

Research and Technology Committee on Water and Steam
in Thermal Systems

Amended: October 24, 1988
April 25, 2001,
April 26, 2006

Board on Research and Technology Development

December 12, 1989
June 4, 2001
June 19, 2006

Original Approvals:

Research Committee on Boiler Feed Water Studies

1957
May 20, 1966

Research Committee on Water in Thermal Power Systems

October 22, 1984

04/26/06

Research Executive Committee

1957

Board on Research

June 14, 1966

January 11, 1985

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