



## **AGENDA**

**UMC Legionella Task Group - Meeting #1**  
**Friday, April 28, 2023 from 9:00AM – 11:00AM (PT)**

<https://iapmo-org.zoom.us/j/87865730942>

**Meeting ID: 878 6573 0942**

*\*Recording of any kind is not permitted\**

- I. Call to Order.**
- II. Roll Call and Self-Introductions.**
- III. Guide for Conduct.** See pages 42 - 46 of the [Consensus Code Development Cycle: Bylaws, Regulations, Procedures and Guidelines](#), as shown as an Attachment to the Agenda.
- IV. Antitrust Policy.** See page 39, Section 10 of the [Consensus Code Development Cycle: Bylaws, Regulations, Procedures and Guidelines](#).
- V. Review and approval of the Agenda.**
- VI. Scope of the Task Group.**  
*The scope of the Legionella Task Group is to address concerns pertaining to the control and intervention of Legionella associated with mechanical systems and equipment including:*
  - *verify correlations between temperature, concentration limits, and Legionella growth potential;*
  - *verify remediation actions and water treatment plans;*
  - *review other factors for Legionella growth potential including, but not limited to, water sources, circulation rates, disinfection residual, and piping materials;*
  - *identify additional methods of chemical and non-chemical treatment methods; and*
  - *correlation with existing industry standards.*
- VII. Selection of Task Group Chair and Vice Chair.**
- VIII. Goals for the meeting.**
  - A. Review of recommendations generated by the 2024 UMC Legionella Task Group.
    - i. **Overview of Attachment 1, the “Impact of Water Temperature on the Potential for Legionella Growth” as shown in the 2022 UMC ROC preprint.**
  - B. Assign action items to Task Group members for consideration at the next meeting.
    - i. Vote for Chair via KAVI by **May 5, 2023**.
    - ii. Review language for the “Impact of Water Temperature on the Potential for Legionella Growth.”
    - iii. Submit your recommendations to IAPMO Staff by **May 12, 2023** with supporting documentation as applicable.
  - C. Review the timeline for completion of Task Group recommendations.

- IX. Future meetings.** The Task Group meetings are scheduled for the following dates/times:
- Meeting #2 – May 26, 2023 from 9:00AM – 11:00AM (PT)
  - Meeting #3 – June 13, 2023 from 9:00AM – 11:00AM (PT)
  - Meeting #4 – July 13, 2023 from 9:00AM – 11:00AM (PT)
  - Meeting #5 – August 10, 2023 from 9:00AM – 11:00AM (PT)
  - Meeting #6 – August 31, 2023 from 9:00AM – 11:00AM (PT)

**X. Kavi overview.**

**XI. Other business.**

**XII. Adjourned.**

# GUIDE FOR THE CONDUCT OF PARTICIPANTS IN THE IAPMO CODES AND STANDARDS DEVELOPMENT PROCESS

Adopted by the Board of Directors on September 4, 2000 and Approved by the Standards Council on November 30, 2000.  
Amended November 2006.

**Section 1 Introduction and Statement of Purpose.** Since 1926, the International Association of Plumbing and Mechanical Officials and its predecessor organizations have been committed to promoting the interests of the arts and science of plumbing and mechanical building codes and to promote public health and welfare and to carry on educational and other activities in order to ensure the adoption of plumbing and mechanical practices which will best serve the public health and welfare. The basic mission of IAPMO is to improve the quality of life by advocating scientifically based consensus codes and standards, research, and education in the areas of plumbing and mechanical codes and standards. The IAPMO standards development process is a central means by which the IAPMO fulfills that mission. The purpose of the IAPMO standards development process is, through an open, broad-based, and fair process, to develop timely, scientifically based, consensus codes and standards intended to minimize the possibility of loss and improve the quality of life in all aspects of contemporary activity.

The primary goal of all participants in the IAPMO standards development process as well as the IAPMO staff who facilitate this process should be the achievement of this purpose. This guide for the conduct of participants in the IAPMO standards development process is intended to assist participants and staff in that endeavor. It is divided into this "Introduction and Statement of Purpose" (Section 1), a "Statement of General Principles" (Section 2), which should be the basis for all conduct within the IAPMO standards development process, followed by conduct guidelines offering more specific guidance for participants other than IAPMO staff liaisons (Section 3). A final section (Section 4) provides guidelines for the role of IAPMO staff liaisons.

**Section 2 Statement of General Principles.** The basic structure and operating procedures of the IAPMO standards development process has been set forth by the IAPMO Board of Directors in the IAPMO Bylaws, the Regulations Governing Committee Projects, and other policies and procedures which may be established from time to time by the IAPMO Board of Directors or the IAPMO Standards Council. In fulfilling the general roles and obligations set forth under these regulations, policies, and procedures, all participants in the IAPMO standards development process should adhere to the following general principles:

- (a) To promote and support the overall mission of the IAPMO as well as the purposes and objectives of the IAPMO standards development process.
- (b) To maintain a process that is open, honest, and fair to all participants.

- (c) To promote the development of codes and standards that are scientifically and technically sound, that promote creativity and innovation in the development of new methods and technologies, and that set reasonable standards intended to minimize the possibility of loss and improve the quality of life.
- (d) To promote the development of consensus through the broad and balanced participation of a variety of interests and through the full airing and discussion of all points of view.
- (e) To adhere, both in letter and in spirit, to all duly established rules, regulations, and policies governing the IAPMO codes and standards development process.

**Section 3 Conduct Guidelines for Participants Other than IAPMO Staff Liaisons.** There are many different roles within the IAPMO standards development process, primarily including: IAPMO Standards Council members, technical committee or technical correlating committee officers, technical committee or technical correlating committee members, technical advisory committee members, participants at IAPMO membership meetings, and submitters of proposals or comments. Although all participants in the IAPMO standards development process serve the same overall IAPMO mission and are expected to promote the purposes and goals stated in the "Statement of Purpose" (see Section 1) and the "Statement of General Principles" (see Section 2), different roles within the standards development process may carry differing responsibilities and obligations. The following guidelines for conduct are intended to provide an extension to the "Statement of General Principles" to assist participants in the IAPMO process in carrying out their respective roles and responsibilities. Because no single set of guidelines can address every possible situation, participants in the IAPMO standards development process should attempt, even when the guidelines do not specifically address a situation, to act in a manner that is consistent with the "Statement of Purpose," "Statement of General Principles," and the spirit of these guidelines. Questions on the interpretation or the intent of any of the provisions contained in these guidelines may be referred to the IAPMO Standards Council for resolution.

### 3-1 Guidelines Applicable to All Participants.

- (a) Participants should read, become familiar with, and adhere to the Regulations Governing Committee Projects and all other duly established policies and procedures related to the IAPMO standards development process.

## GUIDE FOR THE CONDUCT OF PARTICIPANTS IN THE IAPMO CODES AND STANDARDS DEVELOPMENT PROCESS

- (b) Participants should act honestly and in good faith with a view to the best interests of IAPMO and the IAPMO standards development process. Although it is recognized that legitimate differences of opinion can exist on individual issues, participants should support and promote the defined broad objectives of the IAPMO.
- (c) Participants should stay current with all IAPMO standards development activities in which they are directly or indirectly involved. Participants should encourage full participation in the standards development process by all interested persons, and they should encourage and facilitate the full and open dissemination of all information necessary to enable full and fair consideration of all points of view.
- (d) No participant should ever attempt to withhold or prohibit information or points of view from being disseminated, particularly on the grounds that the participant is in disagreement with the information or points of view. Disagreements should be addressed and resolved through full presentation and discussion of all information and points of view, not through withholding information or preventing points of view from being expressed.
- (e) In order that the points of view and information participants contribute to the IAPMO standards development process can be accurately evaluated by others, participants should always endeavor to make known their business, commercial, organizational, or other affiliations that might affect their interests or points of view.
- (f) In all discussion, debate, and deliberation within the standards development process, participants should confine their comments to the merits of the scientific, technical, and procedural issues under review. Although participants may forcefully advocate their views or positions, they should be candid and forthcoming about any weaknesses in their position, and they should refrain from debate and discussion that is disrespectful or unprofessional in tone or that is unduly personalized or damaging to the overall process of achieving consensus.
- (g) Participants should take appropriate steps to ensure that any public statements, either written or oral, which are not official statements of the IAPMO, are properly portrayed as the opinion or position of that individual. Care should be taken to ensure that the public is not misled by such statements.
- (h) In circumstances where duly established policies and procedures related to the IAPMO standards development process permit deliberations to take place in executive session, participants should

respect and observe the confidentiality of those executive sessions.

**3-2 Additional Guideline Applicable to Participation in Technical Sessions of IAPMO Membership Meetings.** It is appropriate for participants in the standards development process to urge that all persons with a genuine and demonstrated interest in the purposes of IAPMO join the organization and participate as duly enrolled voting members in the technical sessions at IAPMO membership meetings. Participants, however, should not urge, arrange, or otherwise facilitate the participation of persons with no such interest for the purpose of affecting the outcome of a vote on an issue at a technical session.

### **3-3 Additional Guidelines Applicable to Members of Technical Committees and Technical Correlating Committees (TC/TCC Members).**

- (a) In order for the standards development process to operate fairly and effectively, it is necessary that technical committees and technical correlating committees contain the representation of a variety of interests and that those interests are balanced within the committees. In order to ensure the necessary balance of interests, TC/TCC members have an affirmative and continuing obligation to provide IAPMO with timely, accurate, and complete information concerning their qualifications and interest classification.
- (b) TC/TCC members should maintain a high level of knowledge and competency in the areas of interest and/or expertise that are related to their activities within the IAPMO standards development process.
- (c) TC/TCC members should actively and diligently perform all duties required of them by their committee work. This includes fully preparing for and consistently attending all appropriate committee and task group meetings, reading and becoming familiar with all issues relating to proposals and comments on which their committee is to act, promptly completing and returning all letter ballots, and promptly and thoroughly taking all actions necessary to complete the processing of documents within their committees.
- (d) The IAPMO standards development process recognizes that those who are willing and competent to participate in standards development activities often have outside business, commercial, or other interests. It is for this reason that technical committees and technical correlating committees are required to be balanced by including in their membership persons of varying commercial and other interests. Although members are categorized according to their interest classification for the purpose of achieving balance, TC/TCC members are not appointed to committees for the purpose of furthering their business, commercial, or other

## GUIDE FOR THE CONDUCT OF PARTICIPANTS IN THE IAPMO CODES AND STANDARDS DEVELOPMENT PROCESS

- outside interests. TC/TCC members are expected to and should base all advocacy, voting, and other standards development activities on sound technical and scientific bases and should act in the interest of safety and IAPMO's other purposes and goals.
- (e) TC/TCC members who have been classified by the IAPMO Standards Council as special experts comprise a category of independent consultants and experts who are generally unallied with any particular business or commercial interest. On occasion, however, independent consultants in this category may be retained by a client to advocate on behalf of the client with regard to a specific issue or issues before the TC/TCC. As to these specific issues, the TC/TCC member should not be regarded as a special expert because to do so could result in a balance of interests that was not intended by the IAPMO Standards Council. Therefore, TC/TCC members categorized as special experts who have been retained to represent the interests of another with respect to a specific issue or issues that are to be addressed by a TC/TCC shall declare those interests to the committee and refrain from voting on any proposal, comment, or other matter relating to those issues.

In addition, although it is not expected that TC/TCC members in other interest categories will generally be retained by another to advocate on his or her behalf with respect to a specific issue or issues before the TC/TCC, such an arrangement would present the same concerns as would exist with a special expert. Accordingly, a TC/TCC member in any interest category who has been retained to represent the interests of another interest category with respect to a specific issue or issues that are to be addressed by a TC/TCC shall declare those interests to the committee and refrain from voting on any proposal, comment, or other matter relating to those issues.

- (f) TC/TCC members frequently receive funding from their employers, organizations, or other sources for their participation in the IAPMO standards development process, and they have an affirmative and continuing obligation to declare those sources of funding to the IAPMO. Apart from those declared sources of funding, TC/TCC members should not solicit or accept gifts, hospitality, or transfers of economic benefit, other than incidental gifts or other benefits of nominal value, from persons, groups, or organizations having dealings with their committee or under any circumstances in which the benefit would be or would appear to be bestowed or accepted for the purposes of influencing the members' activities within the standards development process.
- (g) TC/TCC members should treat all persons having

dealings with their Committee with respect and fairness and should not offer or appear to offer preferential treatment to any person or group.

- (h) TC/TCC members should refrain from disseminating false or misleading information or from withholding information necessary to a full, fair, and complete consideration of the issues before their committee.

### 3-4 Additional Guidelines Applicable to Technical Committee and Technical Correlating Committee Chairs (TC/TCC Chairs).

- (a) TC/TCC chairs should act in an impartial manner in the performance of their duties as chair.
- (b) TC/TCC chairs should disclose to all members of their committee all known or potential conflicts of interest or other circumstances that could influence their impartiality on a particular matter and must not preside during the committee's consideration of that matter. A conflict of interest is defined as any situation in that the committee's decision could substantially and directly affect the chair's financial or business interest.
- (c) If a TC/TCC chair discovers that a conflict of interest arises and is likely to involve a major activity of the committee or to continue over a considerable period of time, the chair must advise the secretary of the IAPMO Standards Council and seek direction as to whether the individual should continue in that role.
- (d) TC/TCC chairs should avoid potential conflicts of interest in the appointment of all task group chairs. If, in the opinion of the chair, an individual has a known or potential conflict of interest, or other circumstances that could influence the individual's impartiality, that individual should not be appointed to chair the task group.
- (e) TC/TCC chairs should exercise care and diligence in the appointment of task groups. Although task groups need not be fully balanced, chairs should attempt to include, to the extent practicable, any interested committee member or others who could usefully contribute to the work of the task group. TC/TCC chairs should avoid constituting a task group in such a way as to unfairly exclude participation of any interest desiring and qualified to participate.
- (f) TC/TCC chairs should identify participating task group members when presenting task group reports to the full committee for review and action. TC/TCC chairs should ensure that the work of task groups is thoroughly reviewed and considered by the full committee.
- (g) TC/TCC chairs should refrain from asserting a position in technical discussions. If a chair wishes to assert a position in the technical discussion, that individual should relinquish the chair.

## GUIDE FOR THE CONDUCT OF PARTICIPANTS IN THE IAPMO CODES AND STANDARDS DEVELOPMENT PROCESS

- (h) TC/TCC chairs should be consistent in the conduct of meetings and in particular should be consistent with respect to participation by nonmembers (see 3-3.3.3 of the Regulations Governing Committee Projects).
- (i) TC/TCC chairs should endeavor to stimulate participation from all committee members.

### 3-5 Additional Guidelines Applicable to IAPMO Standards Council Members (SC Members).

- (a) The IAPMO Standards Council acts as the overseer of the standards development process, the official issuer of all IAPMO documents, and the body that hears and determines all complaints related to the IAPMO consensus standards development process and to the issuance of IAPMO consensus codes and standards. As such, the IAPMO Standards Council must both be and be perceived to be a fair and nonpartisan decision-making body. Accordingly, IAPMO SC members should treat all persons or groups appearing before them in a courteous, respectful, and fair manner, and should render all decisions in a fair, unbiased, and impartial manner.
- (b) IAPMO SC members should read and familiarize themselves with all the issues relating to any appeal or other matter coming before the council.
- (c) IAPMO SC members should disclose to all members of the council all known or potential conflicts of interest or other circumstances that could influence their impartiality on a particular matter under consideration. The IAPMO SC member should then abstain from participating in any hearing or discussion, should not be present during any executive session, and should not vote on the matter. A conflict of interest is defined as any situation in which the council's decision could substantially and directly affect the council member's financial or business interest.
- (d) IAPMO SC members may not be members of TC's or TCC's. However, the presence of an organizational representative on the IAPMO SC shall not disqualify other members from the same organization from being members on a TC or TCC. If an IAPMO SC member has previously expressed a position on a matter that is the subject of an appeal to the council in such a manner that his or her views are, or would appear to be, fixed and not amenable for open consideration of the issue, then the member should, at the outset of any hearing or discussion, state his or her intention to step down from the council for the purposes of that hearing or discussion. During the hearing or discussion, he or she may address the council to state his or her views or to provide information to the council but

should not be present during any executive session and should not vote on the matter.

- (e) IAPMO SC members may submit proposals and comments and vote during technical report sessions at IAPMO membership meetings with the exception of an IAPMO SC member who serves as the presiding officer at technical report sessions. However, if an IAPMO SC member or the member's business or significant organizational affiliation either submits a proposal or comment or makes a floor motion or presentation during a technical report session that expresses a position on a matter that is the subject of an appeal to the council, then the IAPMO SC member should, at the outset of any hearing or discussion, state his or her intention to step down from the council for the purposes of that hearing or discussion. During the hearing or discussion, he or she may address the council to state his or her views or to provide information to the council but should not be present during any executive session and should not vote on the matter.
- (f) If an IAPMO SC member cannot give all sides to an appeal before the council fair and open-minded consideration, either because his or her views on the matter are fixed or for any other reason, he or she should abstain from participating in any hearing or discussion, should not be present during any executive session, and should not vote on the matter.
- (g) An IAPMO SC member may address the council as a spokesperson for the position of a technical committee where no other practical alternative exists and where the council's decision on the issue would not substantially and directly affect the financial or business interest of the IAPMO SC member. In that case, the IAPMO SC member should, at the outset of any hearing or discussion, state his or her intention to step down from the council for the purposes of that hearing or discussion. He or she should not be present during any executive session and should not vote on the matter.
- (h) In no case should an IAPMO SC member leave his or her role as an IAPMO SC member to represent either his or her own business or financial interests or the interest of a client before the IAPMO Standards Council.
- (i) IAPMO SC members who abstain from participating in any hearing or discussion, deliberations, or voting on any matter should so state either at the outset of the hearing or discussion or as soon as the need for abstention becomes clear, and they should record that abstention in the council meeting minutes.

**Section 4 Guidelines for the Conduct of IAPMO Staff Liaisons.** IAPMO staff liaisons participate in the IAPMO standards development

## GUIDE FOR THE CONDUCT OF PARTICIPANTS IN THE IAPMO CODES AND STANDARDS DEVELOPMENT PROCESS

process primarily as facilitators. Their role is vital to the fair, open, and efficient operation of the IAPMO standards development process. Staff liaisons should promote the purposes and goals stated in the “Statement of Purpose” (see Section 1) and “Statement of General Principles” (see Section 2). In addition, staff liaisons should observe the following guidelines:

- (a) Staff liaisons should promptly and diligently perform all of the advisory, organizational, clerical, and other duties assigned to them by the council secretary, the Regulations Governing Committee Projects, and by all other duly established policies and procedures related to the standards development process.
- (b) Staff liaisons should encourage and facilitate full and effective participation in committee work by all TC/TCC members and should encourage and facilitate the full, fair, and accurate presentation of all relevant information and viewpoints.
- (c) Staff liaisons should strive to ensure that all the work of the TC/TCCs to which they are assigned is carried out in accordance with the Regulations Governing Committee Projects and any other duly established policies and procedures related to the IAPMO standards development process.
- (d) Staff liaisons should counsel and advise the TC/TCC concerning the Regulations Governing Committee Projects and other duly established policies and procedures related to the IAPMO standards development process. Staff liaisons should also provide timely and accurate information concerning the scheduling of meetings, balloting of committee reports, and other information necessary to the TC/TCCs in carrying out its work.
- (e) Staff liaisons should conduct themselves in a manner that preserves and enhances the trust and confidence of standards development participants as well as the public in the integrity and efficacy of the IAPMO and the IAPMO standards development process.
- (f) Staff liaisons should conduct themselves in a manner that reflects their nonpartisan, facilitative, and advisory role. They should maintain a demeanor that is fair and dispassionate. Staff liaisons should take care that they neither act nor could be perceived to be acting on behalf of or in order to further the interests of any group or individual.
- (g) The staff liaison is often in possession of technical information, standards development history, feedback concerning the standard from users, and other information of use to the TC/TCC. It is both appropriate and beneficial for the liaison to provide the TC/TCC such information, and the liaison should do so as necessary to assist the TC/TCC in the course of its work.
- (h) In areas in which the staff liaison possesses technical expertise, he or she may share that expertise with the TC/TCC and, if appropriate, express an expert opinion. Similarly, a staff liaison may, where appropriate, express an opinion concerning the meaning of code language or the intent of the TC/TCC. In expressing opinions, however, a staff liaison should clearly identify the opinion as his or her personal opinion and not necessarily that of the IAPMO or any TC/TCC. The staff liaison should also express that opinion with brevity, dispassion, and fairness to the opinions of others, and avoid adopting an argumentative or adversarial posture.
- (i) Staff liaisons should not submit any proposal or comment. Staff liaisons should not vote either formally or informally on any matter before the TC/TCC, nor should they act as chair of a TC/TCC meeting.
- (j) Staff liaisons should not vote at a technical reports session of an association meeting or make any floor motion. Staff liaisons should not act as the representative of the TC/TCC for the purposes of presenting a technical committee report at a technical reports session. Staff liaisons should not advocate for or against any floor motion.
- (k) Staff liaisons should not act as the representative of the TC/TCC for the purposes of arguing the TC/TCC position at any hearing on an appeal to the IAPMO Standards Council or a petition to the IAPMO Board of Directors. However, the staff liaison may provide information as requested by either the IAPMO Standards Council or the IAPMO Board of Directors.