Getting Involved with BPV I

How to Get Involved

Many visitors ask how to get involved with BPV I. The short answer, raise your hand. When considering new members, the Committee considers a person’s knowledge, willingness to work, quality of work, and whether they have the support to allow them to put in the required time, effort, and travel. The best way to demonstrate those qualities is to regularly attend meetings, talk to the Chairman, provide input to the discussions, and volunteer to work on items.

Attending Meetings

While there is no official guideline, most members have attended four or more consecutive meetings before they have been considered for membership. This helps to demonstrate your willingness to participate and that you have the financial support to do so. Try to attend as many of the BPV I SubGroup and Task Group meetings as you can. This will help to give you a better understanding of what portions of Section I are handled by each and will help you decide where you can best contribute. There is also a brief description of each committee’s responsibilities below under Where Can I Help?

The Chairman

After attending enough meetings to know where you think you can best help the Committee, approach the Chairman for that Committee and let them know that you’re interested. Let them know that you’d like to contribute and ask them to keep you in mind when assigning items. This will ensure that you’re on their radar and they can help guide you going forward.

Providing Input

At the start of most Committee meetings, the Chairman welcomes everyone and clarifies that while any voting will be restricted to members, all visitors are encouraged to participate in discussions. Take advantage of this and raise your hand whenever you have something to contribute to the discussions. Having input from multiple sources and viewpoints improves the quality of Section I but this is only one reason why the Chairmen encourage visitor participation. The other reason is to help them evaluate visitors for potential membership on the Committee. The potential of a visitor that regularly participates in the discussions is easier to see than the visitor that just sits quietly in the background.

Volunteer

Likely the most important action for you to take to be considered for membership is to volunteer to work on items. Some items are assigned before the meeting when they first come in and others are assigned to volunteers at the meeting. When the Chairman asks for volunteers, raise your hand if you think you think you
can contribute. Even if you are not assigned as the Project Technical Manager assigned to a task, you can help the PTM and/or Task Group by working with them and contributing on the proposal for the item. If there is an item already assigned that you want to help with, let the Chairman and the Project Manager know that you’d like to help. Within C&S Connect, access to the portion of the system used for tracking action items is limited to members. If a new item is assigned to you, a member will be assigned as the official Project Manager and will work with you on the proposal. They will handle the interaction in C&S Connect but you will be expected to make presentations at meetings and help them develop responses to any ballot comments.

**Resource Development Group**

Before being considered for membership on one of the BPV I SubGroups, you may be granted membership on the BPV I Resource Development Group (RDG). Membership on the RDG gives you access to C&S Connect, making it easier for the SG Chairman to assign you items and track your progress. Keep in mind that membership on an RDG is not given just because a request has been made. The Chair might first observe whether you are working on items, contributing to discussions and regularly attending meetings before requesting you be added to their RDG.

**Where Can I Help?**

To understand where you can best help the Committee, you need to understand how BPV I is organized. In addition to temporary task groups assigned to work on a specific item, BPV I has ten subordinate groups. There are six SubGroups (SGs), two International Working Groups (IWG), one standing Task Group, and the Resource Development Group mentioned above. While BPV I is the consensus committee responsible for Section I, much of the actual work is performed within the subgroups or the IWGs. Membership within the IWG is based on geographical location so most people would support a SG. To help you determine which SG you could best support, the following explains some of what each SG is responsible for developing and maintaining but is not all inclusive.

**SubGroup on Design**

SG Design is responsible for all things related to the design of Section I components. This includes design methods (design by rule, design by analysis, proof testing), design conditions, loadings, thickness requirements, weld strength reduction factors used in design formulas, external pressure rules, acceptable head geometry, compensation of openings, limitations of nozzle attachment methods, requirements for stayed surfaces, dimensional tolerances, and the design problem examples in Appendix A. Most of the SG Design items are located within Part PG of Section I but there are also design requirements in other parts (e.g. Parts PWT, PFT, etc.).

**SubGroup on Fabrication and Examination**

SG F&E is responsible for all requirements related to the fabrication of items as well as the examinations the Manufacturer is required to perform. The fabrication includes the design of the welded (or brazed or riveted) joint (which includes alignment, thickness transitions, and profiles), all rules related to the joining method (which methods or processes are permitted, base metal preparations, pre and post heating requirements, and the qualification and documentation for procedures and personnel), and things like minimum weld sizes. Examination includes the types on nondestructive examination (NDE), how much NDE is required, and the qualification and documentation of personnel performing NDE. Most of the SG F&E items are located within the parts related to specific fabrication methods (Parts PW, PR, and PB) but as with SG Design, may have items in other parts.

**SubGroup General Requirements & Piping**

SG GR&P is responsible for items related to scope (including service limitations), standard parts, level equipment, overpressure protection, and the documentation and certification (Data Reports and Stamping,
material recertification, maintaining material markings, etc.) and inspection requirements (including requirements for inspection openings). In Section I, the term inspection is used to differentiate the inspections performed by the Authorized Inspector from the examinations performed by the Manufacturer. Under the piping umbrella, SG GR&P is responsible for the jurisdictional boundaries (BP vs. BEP vs. NBEP), the valves required for those boundaries, and the use of ASME fittings, flanges, and valves. Much of SG GR&P’s items are within Part PG but are also in other parts of Section I. In addition to Section I, SG GR&P is also responsible for maintaining Section VII – Recommended Guidelines for the Care of Power Boilers.

SubGroup on Locomotive Boilers

SG LB is one of only two current SGs with responsibilities defined around a specific product, in this case locomotive boiler. SG LB is responsible for the content in Part PL but shares the responsibility in part with the other subgroups. For example, design related items within Part PL and shared between SG LB and SG Design, overpressure protect is shared with SG GR&P, etc. SG LB also shares responsibility for much of the content in Part PR with SG F&E.

SubGroup on Materials

SG Materials is responsible for all materials related issues within Section I. This includes which materials are permitted, the material properties (in support of BPV II), Code Cases for new materials, and post forming heat treatment requirements. SG Materials also shares responsibility for preheat and postweld heat treatment requirements with SG F&E.

SubGroup on Solar Boilers

SubGroup on Solar Boilers is the second SG with responsibilities centered around a particular product, in this case boilers and molten salt receivers that are heated by solar radiation. Similar to SG LB, SG SB shares responsibility with the other SGs for items on their product that would normally fall under the other SG (for example overpressure protection with SG GR&P, etc.).

Task Group on Modernization of BPVC Section I

TG Modernization is responsible for coordinating changes to Section I to better address the higher steam conditions and higher cycling operation expected for new power plants.

How the Committee Works

BPV I and its subordinate groups function in accordance with the procedures linked below. For anything not specifically covered in the procedures, the committee follows Robert’s Rules of Order (RROR). Once you volunteer to work on an item, you’ll need to present that item at a meeting and will need to make a motion. This comes from RROR. For an item to be brought before the committee, it must be moved and seconded. The motion is typically made by the person presenting the item (they do not need to be a member of the committee) but it must be seconded by a member of the committee. If an item does not receive a second, it is not open for discussion. The most common way this works is that the Chairman will call on you to report on the item. If the item is not yet ready for a vote, you would state that it is a progress report and then report on the status, what is left to be done, and any help that you may need. If you believe that the item is ready to be voted on, you would present the item and then end your presentation with something along the lines of “I move the item as presented.”. If a committee member seconds your motion, the Chair will then open the item for discussion. During this discussion, there may be changes suggested to the item. If those changes are accepted by both the person that made the motion and the person that seconded the motion, they become part of the motion. If there are significant changes or additional work required, the motion may be withdrawn to do that work as long as the person that seconded the motion agrees. If the motion has not been withdrawn, the Chair will call the question and members will cast their votes.
One thing to note is that BPV I is the consensus committee so when voting at the SG level (or IWG), the vote is really on whether or not the item is ready to forward to BPV I for action. For complex items, the SG may decide to send the item out for a ballot of the SG members but most votes at SG meetings are on whether to send the item to BPV I. When the item is presented at BPV I, the type of item determines what the vote at the meeting is for. For interpretations and errata, the vote at the meeting is for approval of the action. For all other items (e.g. a code change, code case, editorial, etc.), the vote at BPV I is typically on whether or not the item is ready to send to a BPV I ballot.
Resources

C&S Connect

While the project management portion of C&S Connect is restricted to members, there are other portions that are available to the public. You can start by accessing Committee Central at the following website.

https://cstools.asme.org/csconnect/CommitteePages.cfm

This provides access to the web pages for the Council on Standards and Certification and the various Boards related to Codes and Standards. Under each Board will be the Committees, Subcommittees, Subgroups, Working Groups etc. that fall under that Board. BPV I is under the Board on Pressure Technology Codes and Standards and is shown as BPV Committee on Power Boilers (I).

On the BPV I page, you can access the pages for all subordinate groups. On this page, you can also access information on future meetings, submit a request for interpretation, and see any published errata.
Procedures

The following procedures are also available through C&S Connect. The links are current as of September 2017 but C&S Connect should be checked to verify the latest revision.

ASME Standards & Certification Vision and Mission Statements

https://cstools.asme.org/csconnect/FileUpload.cfm?View=yes&ID=32523

ANSI Accredited Procedures:

These can be found on the BPV I page in the left column under ‘ASME C&S Policies, Procedures, and Guidelines’.

https://cstools.asme.org/csconnect/FileUpload.cfm?View=yes&ID=25963

BPV I Supplement:

This can be found on the BPV I page in the left column under ‘Standards Committee Procedural Supplement’.

https://cstools.asme.org/csconnect/FileUpload.cfm?View=yes&ID=29024

Committee Handbook:

This can be found on the BPV I page in the left column under ‘Committee Handbook’.

https://cstools.asme.org/csconnect/FileUpload.cfm?View=yes&ID=30264

Published Interpretations

Published interpretations can be accessed at:

https://cstools.asme.org/Interpretation

This provides access to not only Section I interpretations but also to interpretations issued for other ASME standards.
ASME Membership

You can learn about the benefits of membership in ASME at the link below. Please note that membership is not required for participation on BPV I.

https://www.asme.org/professional-membership

Training

ASME offers two types of training, one related to the consensus / standards development process and the other related to the content and application of ASME standards.

- ASME Standards & Certification Leadership and Training Modules
  These are available at the following link and are broken up into three modules, one for administrative topics, one for process, and one for legal issues associated with standards development.

  https://www.asme.org/about-asme/standards/standards-certification-member-training-resources/standards-certification-leadership-training

  While all modules and subdivisions are relevant, prospective members may find the following useful as they work towards membership.

  - A5 – Publishing Codes and Standards
  - A6 – Productive Meetings and Appropriate Ballot Comments
  - B1 – ASME Organizational Structure
  - B2 - Standards Development: Staff and Volunteer Roles and Responsibilities
  - B5 - Consensus Process for Standards Development
  - B6 - The Basics of Parliamentary Procedure
  - B11 - Standards Inquiries, Interpretations and Cases
  - C1 - Conflict of Interest / Code of Ethics

- ASME Standards
  ASME offers Professional Development courses related to many of the ASME standards. These can be found at the first link below. Links to some of the courses relevant to Section I are also shown below.

  https://www.asme.org/shop/courses

  PD665 – BPV Code, Section I – USA

  https://www.asme.org/products/courses/bpv-code-section-power-boilers

  PD716 – BPV Code, Section I - Europe

  https://www.asme.org/products/courses/bpv-code-section-power-boilers-(1)

  PD190 – BPV Code, Section IX

  https://www.asme.org/products/courses/bpv-code-section-ix-welding-brazing-fusing

  PD013 – B31.1 Power Piping Code

  https://www.asme.org/products/courses/b311-power-piping-code

  PD014 – B31.3 Process Piping Design

  https://www.asme.org/products/courses/b313-process-piping-design
Books

ASME also offers several guidebooks that provide explanation of some of the rules and also some of the history behind the standard. The following are two related to Section I.


Print - https://www.asme.org/products/books/power‐boilers‐guide‐section‐boiler‐pressure


Companion Guide to the ASME Boiler and Pressure Vessel and Piping Codes, Fifth Edition

Volume 1

https://www.asme.org/products/books/companion‐guide‐boiler‐pressure‐vessel‐piping‐(4)

Volume 2

https://www.asme.org/products/books/companion‐guide‐boiler‐pressure‐vessel‐piping‐(3)

Two Volume Set

https://www.asme.org/products/books/companion‐guide‐boiler‐pressure‐vessel‐piping‐(5)