

BPV Standards Committee on Nuclear Inservice Inspection

Supplement to Procedures for ASME Codes and Standards Development Committees

Approved by BNCS February 19, 2020
Deviations approved by BCO November 7, 2019

Procedures for BPV Standards Committee on Nuclear Inservice Inspection

These procedures include the Procedures for ASME Codes and Standards Development Committees, latest revision as supplemented below:

1. Charter (ref. 1.1)

To develop, review, and maintain, for publication in Section XI of the Boiler and Pressure Vessel Code, requirements and interpretation of those requirements relating to pressure integrity governing inservice inspection of Class 1, 2, 3, MC and CC pressure retaining components and their supports and core support structures in light water cooled, gas cooled, and liquid metal cooled nuclear power plants. For risk-informed technology applications only, the requirements may be extended to other pressure retaining components and their supports that affect the safety of the plant. This charter is intended to cover individual components and complete nuclear power plants that have met all the requirements of the Construction Code. The areas covered include responsibilities, provisions for accessibility, examination methods, techniques, and procedures, personnel qualifications, frequency of inspection, records and evaluation and disposition of inspection results. This charter includes the application of provisions for repair/replacement activities and procedures for analytical evaluation of plant operating events even when neither is associated with disposition of the results of inservice inspection.

2. Limits on number of members (ref. 3.1)

- (a) The standards committee consists of consensus committee members plus delegates, alternates, and contributing members. The number of members from a single organization serving on the standards committee at the same time shall not exceed that specified in the table below:

Number of Consensus Committee Voting Members	Maximum Number of Members from a Single Organization
≤ 20	2
21-29	3
≥ 30	4

- (b) If the standards committee has more than one member from a single organization, the following requirements shall also be met:

- (1) All but one of the members shall be a sub-tier committee chair or a liaison representative; or all of the members shall provide different expertise considered necessary to the committee.

3. Member interest categories (ref 3.2.5)

Members of the standards committee shall be placed in the following interest categories:

- (a) Manufacturer (AK)
- (b) Owner (AO)
- (c) Material Manufacturer (AM)
- (d) Regulatory (AT)
- (e) Inspection (AH)
- (f) General Interest (AF)
- (g) Constructor (AA)
- (h) Designer (AB)
- (i) Laboratory (AI)
- (j) Consultant (AU)

Members of the standards committee shall be classified in accordance with the business interests of their primary source of support for committee participation. Members who provide their own support or who provide consulting services may be classified in the interest category that most closely reflects their experience and interest.

4. Determining Subordinate Group Membership (ref. 5.1, 5.2; 6.3.2)

- (a) Subordinate Groups

The consensus committee shall establish such subordinate groups as are needed to accomplish its objectives. Administrative subordinate groups and international working groups shall be treated as subordinate groups not reporting directly to the standards committee.

- (1) Appointment of Members, Contributing Members, and Delegates

An appointment as member or delegate shall be for a term of membership of not more than five years and subject to reappointment after the same consideration as for initial appointment. The consensus committee shall

approve the appointment, reappointment, and termination of members and delegates of all subordinate groups.

(2) **Appointment of Chair and Vice Chair**

All subordinate groups shall have a Chair. Subordinate groups may also have Vice Chairs. An appointment of an individual as Chair or Vice Chair of a subordinate group shall be for a term of not more than three years and subject to reappointment after the same consideration as for initial appointment. The two-term limit may be exceeded as permitted by 5.2.1 of Ref (1). The consensus committee shall approve the appointment and reappointment of the Chair and Vice Chair of all subordinate groups.

5. Determining Project Team Membership (ref. 5.3)

The consensus committee, or its chair, or any subordinate group, or its chair, may appoint project teams. Individual members of the project team need not be from existing groups; however appointment of members outside of existing groups shall be reported to and recorded by the standards committee. A record of project team membership shall be recorded in one of the following for the duration of the existence of the team:

- (a) ASME C&S Connect system
- (b) Minutes of the standards committee

6. Interpretations (ref. 6.1.6, 10.2)

Interpretations shall be provided for Section XI of the Boiler and Pressure Vessel Code.

7. Code Cases

Code Cases may be issued for the purpose of providing alternatives or additions to existing Code rules, or to permit early implementation of an approved Code revision. Code Cases are effective for use upon the approval date of BNCS.

Code Cases require approval by the standards committee and BNCS by the same approval process as Standards Actions except for 8.1 and 9.2 of Ref (1).

All proposals to adopt, revise, or annul Code Cases will be announced on the ASME Web Site for public comment. Public comments received on Code Cases will be handled in accordance with 8.4 of Ref (1).

8. Intent Interpretations

Technical inquiries that cannot be answered on the basis of existing wording of the Code may be answerable by an “intent” interpretation. Intent interpretations are permitted only to clarify conflicting or ambiguous wording or to resolve incorrect wording. An intent interpretation shall be submitted to the standards committee for approval along with the revision(s) to the standard that support the intent interpretation. Both the intent interpretation and the revision(s) to the standard must be approved for the interpretation to be issued.

The intent interpretation and the implementing revision(s) shall be approved by letter ballot. Both the implementing revision(s) and the intent interpretation shall be approved as a Standards Action in accordance with 10(b) below.

The approved intent interpretation shall be sent to the original inquirer when BNCS has approved the implementing revision(s).

9. Approval of Editorial Revisions and Errata

- (a) Editorial revisions are intended to do the following:
 - (1) clarify ambiguous or complicated passages
 - (2) expand upon or delete redundant material from the original text, to clarify its meaning, but not to alter the intent in any way
 - (3) make changes that are not substantive
- (b) Editorial revisions shall be approved by the standards committee, using either of the following processes:
 - (1) in accordance with 7.4 of Ref (1), in which case supervisory board approval is not required
 - (2) as a standards action, in accordance with 7.2 of Ref (1), as modified by Section 10, Deviations, below
- (c) Errata correct the following:
 - (1) typographical errors or misspellings, regardless of origins
 - (2) grammatical errors
 - (3) stylistic inconsistencies
 - (4) publication of items that were approved but incorrectly published, including
 - (a) staff or printer’s errors
 - (b) omission of approved items
 - (5) incorrect publication of an item that did not receive the necessary approvals
 - (6) misprints

- (7) incorrect metric conversions or formatting, mathematical equations, or units
- (d) Proposed errata shall be reviewed by ASME Staff Secretary in accordance with the criteria of (c) above, and take into account the associated approved action, if any. If the proposal is determined to be errata, the staff shall post the errata on an appropriate Committee Web Page and advise the standards committee of this for information. No voted action is required.
- (e) Alternatively, errata described in (c) above, including any errata correcting a committee error, shall be approved as a standards action in accordance with 7.2 of Ref (1), as modified by 10(b) below, or by no objection from any consensus committee member during a meeting in which a quorum is present, and do not require supervisory board approval.
- (f) Errata shall be identified, described, and published in the next edition of the standard.

10. Deviations

(a) Authorization of Recorded Vote

When implementing paragraph 7.2.2 of Reference (1) a recorded vote may be authorized by any of the following:

(1) For First Consideration and Recirculation Ballots

- (a) 75% approval vote of those consensus committee members present in a standards committee meeting and eligible to vote
- (b) standards committee officer, for errata, editorial, or minor or urgent technical changes
- (c) BNCS

(b) Approval of Standards Actions

When implementing paragraph 7.2.3 of Ref (1); the Conference Committee, Technical Oversight Management Committee (TOMC), BNCS, and BPV XI International Working Groups shall be given the opportunity to review proposed Standards Actions concurrently with the standards committee voting. In addition, members of the TOMC shall be given an opportunity to record their disagreement with the project team's response to a comment they have made during this period.

The following procedure shall be followed for first consideration vote in lieu of paragraph 7.2.3(1) of Ref (1):

Items are approved by the standards committee from the first consideration ballot when:

- (1) At least two thirds of the eligible consensus committee membership (Not Voting or Disapproved without Comment responses reduce this number) vote approved; and
- (2) There are no disapprovals from the standards committee, and no substantive comments¹ from the Conference Committee, BNCS, or BPV XI International Working Groups, and;
- (3) There are no substantive comments from TOMC, or the responses to any unresolved substantive TOMC comments from the first consideration ballot have been approved (in a voice vote at a meeting or in a recirculation ballot) by at least two thirds of the eligible consensus committee membership with no more than 15% of the eligible consensus committee membership voting Disapproved. Not Voting or Disapproved without Comment responses reduce the number of the consensus committee membership.

The following option shall be added to 7.2.4(f) of Ref. (1).

- (3) A consensus committee member may change their vote on the most recent prior recirculation ballot, to support a negative received on the prior recirculation ballot due to disagreement with any changes introduced to the proposal in that prior recirculation ballot.

The following procedure shall be followed for recirculation ballots in lieu of paragraph 7.2.4(g) of Ref (1):

Items with disapprovals or substantive comments from recirculation ballots are approved by the standards committee when:

- (1) At least two thirds of the eligible consensus committee membership (Not Voting or Disapproved without Comment responses reduce the number of members) vote approved; and
- (2) There are not more than 15% of the eligible consensus committee membership voting Disapproved (Not Voting or Disapproved without Comment responses reduce the number of members), and

¹ A substantive comment is either an objection with basis or a recommended change that is other than editorial.

- (3) There are no new disapprovals from the consensus committee based on disagreement with new changes introduced in the most recent recirculation ballot.

The following procedure shall be followed for recirculation ballots, in lieu of paragraph 7.2.4(i) of Ref (1):

(h) For recirculation proposals that receive more than 15% negative votes of the consensus committee members, excluding any not voting and disapproved without comment responses, disapproved votes may be withdrawn within three months after the recirculation ballot has closed. If withdrawal reduces the number of negative votes to 15% or fewer, the proposal shall be opened for reconsideration at a meeting of the standards committee, and the above criteria for recirculation ballots apply.

- (c) Approval Voting Process for Interpretations

The following procedure shall be followed in lieu of paragraph 10.4(d) of Ref (1) when voting at a meeting:

No objection by at least 3/4 of the consensus committee members present, but at least 2/3 of the entire consensus committee membership, is required to approve the interpretation.

The following procedure shall be followed in lieu of paragraph 10.4(e)(6) of Ref (1) when voting at other than a meeting:

Interpretations are approved by ballot when a no objection vote is recorded by at least 3/4 of the consensus committee members.

REFERENCES:

(1) Procedures for ASME Codes and Standards Development Committees, latest revision