Operating Guide for ASME Standards Committee on Plant Systems Design (PSD)

Approved by Standards Committee on Plant Systems Design (PSD) on: June 7, 2023
Approved by the Board on Nuclear Codes & Standards on: June 22, 2023

I. General (Reference Section 1)
This operating guide provides specific information related to the Standards Committee on Plant Systems Design (PSD), hereafter referred to as the Committee, and provides guidance on its practices and procedural preferences.

II. Charter (Reference Section 1)
The Charter of the Committee(s) is as follows:

To develop, review and maintain a technology neutral standard for design of plant systems for nuclear, fossil and petrochemical, chemical, and hazardous waste plants and facilities. The standard provides processes and procedures for design organizations to:
(a) integrate process hazard analysis in the early stages of design;
(b) incorporate and integrate existing systems engineering design processes, practices and tools with traditional architect engineering design processes, practices and tools; and
(c) to integrate risk informed probabilistic design methodologies with traditional deterministic design.
The focus is to provide requirements and guidance for design processes, methodologies and tools that will provide safer and more efficient system and component designs with quantified safety levels.

III. Standards Committee Membership Number of Consensus Body Members (Reference Para. 3.3)
The Committee:
☒ prefers to operate with no more than [40] members.
☐ does not have a preferred upper limit on the number of its members

☐ prefers to operate with no fewer than [#] members.
☒ does not have a preferred lower limit on the number of its members

Additional Preferences for Number of Consensus Body Members:

Membership Duties (Reference Para. 3.3.1.1.1)
Members, their alternates, or their representatives are expected to be in attendance and participate in not less than 75% of all scheduled meetings of the standards committee.
Additional Preferences for Attendance at Meetings:

Members or their alternates are expected to participate on not less than 75% of all standards committee ballots.

Additional Preferences for Ballot Participation:

**Interest Categories (Reference Para. 3.3.1.1.2)**

Members of the Committee are typically identified by the following interest categories (See Appendix 2 for the definition of each interest category):
☒ AA Constructor
☒ AB Designer
☐ AC Designer/Constructor
☐ AD Distributor
☐ AE Employee/Union Interest
☒ AF General Interest
☐ AG Installer
☒ AH Insurance/Inspection
☒ AI Laboratory/Testing
☒ AK Manufacturer
☒ AM Material Manufacturer
☒ AO Owner
☐ AP Pipeline Operator/Owner
☐ AR Oil Refining/Production
☒ AT Regulatory
☒ AV Trainer/Educator
☒ AW User
☐ AX Utility
☒ AY Government
☐ CA Producer – Airframe/Power Plant
☐ CM Chemical Manufacturing
☐ DE Design/Engineering
☐ GS Gage Manufacturer
☐ MC Cast Boiler Manufacturer
☐ MH Water Heater Manufacturer
☐ MW Wrought Boiler Manufacturer
☐ OP Pressure Relief Device Manufacturer
☐ PP Petroleum Production
☐ PR Petroleum Refining
☐ RM Repair Manufacturing
☐ SP Standards Development Organization

Additional Guidance for Interest Categories:
**Change in Interest Category (Reference Para. 3.3.1.2(d))**
When a member’s interest category changes that does not result in an imbalance, the Committee prefers to:
☐ Reaffirm the member to complete the present term, under the new interest category
☐ Reappoint the member for a new full term, under the new interest category
☒ No preference

**Additional Preferences for Standards Committee Membership:**

**IV. Subordinate Group Membership**

**Establishment of Subordinate Groups (Reference Para. 3.2.2.1)**
Subordinate groups that do not report directly to the standards committee are typically established by:
☐ The parent committee
☒ The consensus body
☐ Not applicable

**Subordinate Group Membership (Reference Section 3.4)**
Membership actions for subordinate groups that report directly to the standards committee are typically approved by:
☒ The consensus body
☐ The Chair of the consensus body
☐ Not applicable

Membership actions for subordinate groups that do not report directly to the standards committee are typically approved by:
☐ The parent committee
☐ The Chair of the parent committee
☒ The consensus body
☐ The Chair of the consensus body
☐ Not applicable

**Chairs and Vice Chairs of Subordinate Groups that do not report directly to the Standards Committee (Reference Para. 3.4.3.2)**
Chairs and Vice Chairs of subordinate groups that do not report directly to the standards committee are typically nominated by
☒ The Chair of the parent committee
☐ Election method specified in 3.3.4.2.1.1
☐ Not applicable
Chairs and Vice Chairs of subordinate groups that do not report directly to the standards committee are typically appointed by:
☐ The parent committee
☒ The consensus body
☐ Not applicable

V. Standards Committee Ballot Authorization (Reference Para. 4.4.2)
The Committee prefers to authorize a standards committee ballot by:
☐ The subordinate group responsible for the standards proposal
☐ An officer of the subordinate group responsible for the standards proposal
☒ An officer of the standards committee
☐ Members of the standards committee
☐ No Preference

Additional Preferences for Authorization of Standards Committee Ballot:

VI. Interpretations
Issuance of Interpretations (Reference Section 5)
Interpretations, generally, are
☐ not provided for any standards within the committee charter
☒ provided for all standards within the committee charter
☐ provided for all standards within the committee charter, except the following:
________________________________________
________________________________________
________________________________________
☐ provided for only the following standards:
________________________________________
________________________________________
________________________________________

Approval of Interpretations (Reference Para. 5.2)
When interpretations are issued, the Committee prefers to approve them via
☐ Consensus Body
☐ Cognizant Subordinate Group
☐ Special Committee
☒ No Preference
VII. Cases

Issuance of Cases (Reference Section 6)

Cases, generally, are
☐ not provided for any standard within the committee charter
☒ provided for all standards within the committee charter
☐ provided for all standards within the committee charter, except the following:

_________________________
_________________________
_________________________
☐ provided for only the following standards:

_________________________
_________________________
_________________________

Cases are typically reviewed on the following cycle: _________________________

VIII. Technically Affected Parties

Parties Outside of ASME’s Committee Structure (Reference Para. 4.4.5)

Technically affected parties outside of ASME’s committee structure are typically provided an opportunity to review and comment on proposals during:
☒ the ANSI Public Review only
☐ a third party/industry review in addition to the ANSI Public Review
☐ the ASME Public Review only
☐ a third party/industry review in addition to the ASME Public Review

Parties Within ASME’s Committee Structure (Reference Para. 4.4.2.1.2.2)

The committees noted below are typically affected by changes to this committee’s standards as indicated below:

<table>
<thead>
<tr>
<th>Standard</th>
<th>Section/Part (if applicable)</th>
<th>Committees(^1) typically technically affected by revisions</th>
<th>Typical Timing of Review &amp; Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>The following are examples:</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

\(^1\) Committees may include conference committees.
**IX. Additional Honors & Awards (Reference Section 8 & Appendix 4)**

[Additional honors and awards information applicable to this standards committee.]

- Nuclear Standards Committee Outstanding Service Medal – This is an annual award that is handed out by the Standards Committee on Plant Systems Design to a member who exhibits exceptional service and technical contributions to the Standards Committee on Plant Systems Design. For additional Guidance, refer to the Board on Nuclear Codes and Standards Operation Guide.

- Dedicated Service Award, Melvin R. Green Codes and Standards and Bernard F. Langer Medal Sector Award - For information on this type of award, refer to the Operating Procedures for ASME Codes and Standards Development Committees, Appendix 4.

**X. Additional Guidance**

[Committees may include in this section any additional committee specific guidance with which they would like to operate under. This section may not include any requirements and may not include any deviations from the ASME Operating Procedures for Codes and Standards Development Committees.]

- None