
ASME
SETTING THE STANDARD

ASME Nuclear Codes and Standards

Supporting New Build and Nuclear Manufacturing in South Africa

October 7 – 8, 2008

Sandton, South Africa

Participating in the Codes and Standards Consensus Process

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Managing Director, Development

ASME Codes & Standards

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Nations Turning to Nuclear Energy

France	2	Slovakia	2	Bulgaria	1	Russia	42
Lithuania	1	Slovenia	1	Turkey	2	Ukraine	2
Czech Rep.	2	Romania	3	Armenia	1	Kazakhstan	1

Canada	2
USA	32
Mexico	2
Argentina	1
Brazil	1

Japan	12
North Korea	1
South Korea	7
China	63
India	23
Vietnam	2
Indonesia	1

Nations have planned or proposed building more than 220 power reactors

Egypt	1	Israel	1
South Africa	25	Iran	5
		Pakistan	4

★***Visits by ASME***

Source: World Nuclear Association (as of Dec. 8, 2006)
in *Nuclear Energy Insight,* January 2007

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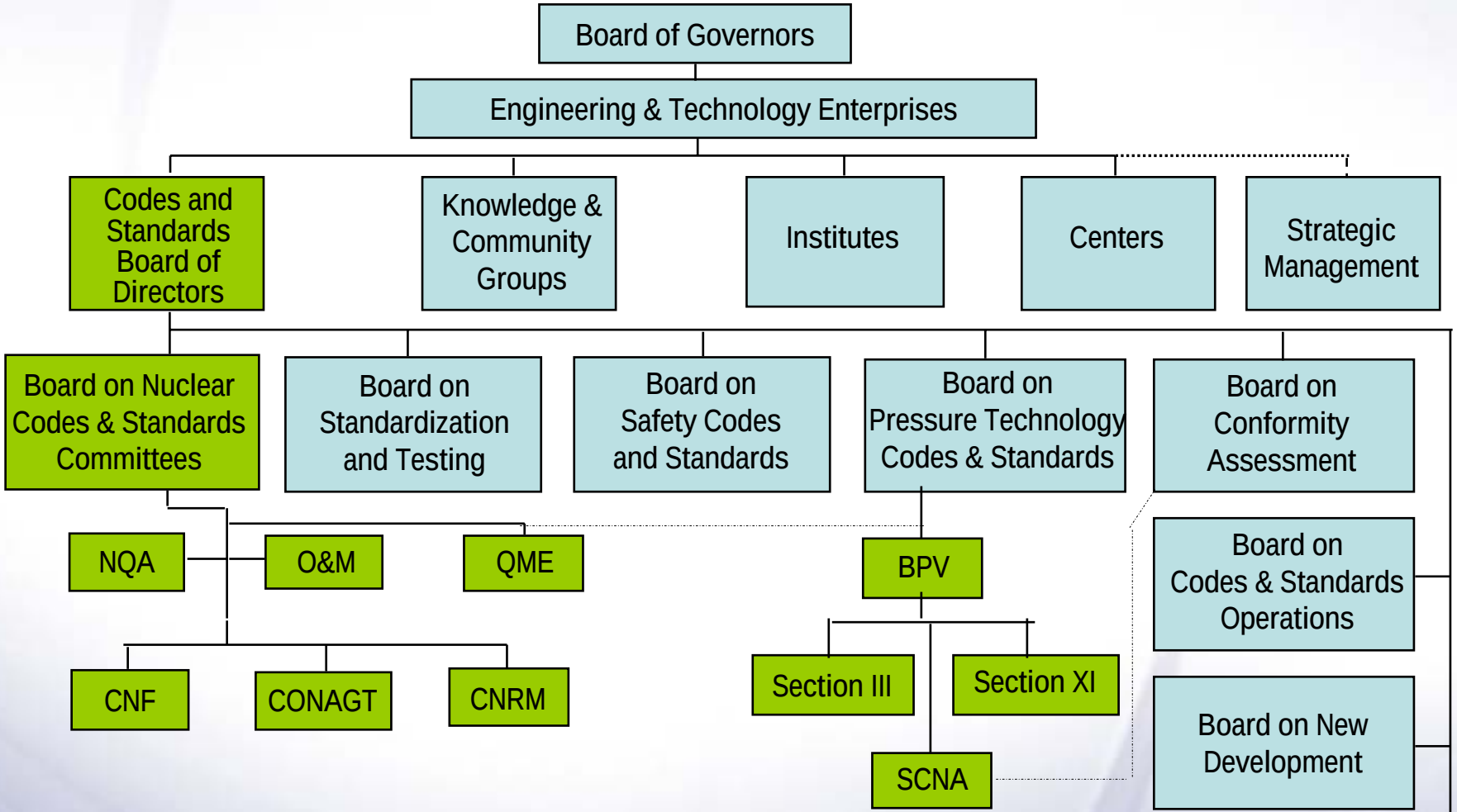
ASME Organization – Codes and Standards



Over 4,000 volunteers
Participate in this process

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ASME's Nuclear Standards

- High quality technical consensus standards
- Facilitate doing business globally
- Serve as a transparent and accessible method for technology transfer
- Provide a means for enterprises of any size and geographic location to equally compete in a global environment
- Meet the WTO principles for International Standards development

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ASME Standards Development

- Decisions are reached through ***consensus*** among those affected.
- Participation is ***open*** to all affected interests.
- ***Balance*** is maintained among competing interests.
- The process is ***transparent*** **-** information on the process and progress is directly available.

ASME Standards Development

- ***Due process*** assures that all views will be considered and that appeals are possible.
- The process is ***flexible***, allowing the use of different methodologies to meet the needs of different technology and product sectors.
- The process is ***timely***; purely administrative matters should not slow down the work.
- Standards activities are ***coherent***, striving to avoid overlap or conflict.

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ASME Standards Development

- Standards development strives for ***global relevance***, meeting agreed criteria and satisfying real needs by providing added value.
- Standards development strives to be ***responsive*** to the real world using available, current technology and without invalidating existing products or processes unnecessarily

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ASME's Nuclear Standards

THREE PILLARS OF ASME STANDARDS:

- BALANCE OF INTEREST/CONSENSUS
- DUE PROCESS
- OPENNESS

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ASME's Nuclear Standards

BALANCE OF INTEREST/CONSENSUS

- All Affected Groups Represented (Manuf., User, Regulator, etc.)
- Criteria for Consensus (2/3 Approval)
- No Dominance By Any One Interest

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ASME's Nuclear Standards

OPENNESS

- Meetings Open to Public
- All Qualified Persons Eligible
- Wide Public Review
- All Comments Addressed

ASME's Nuclear Standards

DUE PROCESS

- All Comments Must be Addressed
- Aggrieved Parties Can Appeal
- Appeals Heard by Drafting Committee
- Recourse Provided Through Board on Hearing and Appeals

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ASME Nuclear Codes and Standards Consensus Process

Participation

- Voluntary participation
- ASME Codes & Standards relies on industry supporting participation by knowledgeable experts
- ASME provides the structure and administrative support

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The Benefits of Participating

- **Benefits to Participants**
  - **Learn more about code requirements and applications.**
  - **Learn more about the global industry and its stakeholders.**
  - **Members and Delegates receive free ASME Codes & Standards for committee activities.**
  - **Receive free access to ASME Electronic Tools on the web.**

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The Benefits of Participating

- **Benefits to Supporting Organizations**
  - **Ensure current interests and practices are considered during the development of Code requirements.**
  - **Reduce the risk that new code requirements will be incompatible with current products or services.**
  - **Improve the technical knowledge of your personnel.**

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The Benefits of Participating

- **Benefits to Participants**
  - **Learn from the foremost technical experts in Code work.**
  - **Develop valuable contacts for technical advice.**
  - **Learn of new standards revisions prior to publication.**
  - **Learn about other organizations' technical issues and their solutions.**

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The Benefits of Participating

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ASME Nuclear Codes and Standards Consensus Process

Participation

- **Multiple methods:**
  - **Become a Member!**
    - **Some Committees do not require attendance at meetings (although attending adds to the experience)**

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ASME Nuclear Codes and Standards Consensus Process

Participation

- **Alternative Membership**
  - **Delegate**
  - **Corresponding Member**
  - **International Interest Review Group (BPV)**
  - **International Review Panel (e.g. B31.3)**

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Delegates

- A membership category for individuals representing a group of technical experts outside of the US or Canada, largely benefiting non-English speaking experts
  - Examples: Trade associations, mirror national standards committees, individual companies
- Each represented group must be a recognized organization within its country.

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Delegates

- **Individuals are not required to be technically qualified.**
  - **Primary qualification might be serving as the communication link between the committee and the represented group.**
- **The selection of the proposed delegate is at the discretion of each group.**

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Delegates

- **Delegates are appointed to committees based on the indicated area of interest/expertise of their group**
- **A "delegate" membership does not preclude other qualified individuals from serving as full members of ASME C&S committees. Delegate membership merely provides another channel for meaningful input from expert individuals in other countries.**
- **The expectations for attendance at meetings is not as great for delegates as for individual members of the committee.**

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Duties of Delegates

- Consider subjects brought for action
- Vote on first consideration recorded votes on standards actions
- Comment on all reviews of standards actions prior to vote
- Contribute expertise

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Delegates - Attendance

- **Attendance at meetings is encouraged (especially for the first meeting), but not required.**
- **Delegates may also participate via correspondence, telephone or other electronic means.**
- **Delegates are permitted to appoint alternates, to vote in place of the delegate on standards actions.**

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Appointment of Delegates

- Each group recommends an individual to represent them.
- The group also provides an explanation of their interest in participating.
- Delegates representatives are sent copies of the relevant Society Policies and application forms.
- Delegates representatives are required to sign Participation Acknowledgement Forms.
- Next higher committee votes on recommended appointment.

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International Interest Review Group (IIRG)

- Any national agency that has accepted one or more Sections of the ASME Boiler and Pressure Vessel Code as a means of meeting regulatory requirements for which they have responsibility is invited to appoint a representative to serve on the International Interest Review Group.
- NNR and Dept of Labour, Office of Occupational Health and Safety are qualified to be members of IIRG.

International Participation: Electronic Tools

- Web Based C&S Connect
  - Provides access to all Codes and Standards volunteers to conduct their committee work via the internet, 24/7/365, worldwide
  - Developed by ASME – a unique state of the art electronic tool that manages the entire standards development process

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International Participation: Electronic Tools

- Web Based C&S Connect
  - Proposals posted, comments posted, automatic e-mail notifications, resolutions tracked and recorded
  - Proposal version control, electronic transmittal of approved actions to publication production

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International Participation: Electronic Tools

- Web Based C&S Connect
  - All committee balloting now conducted electronically
  - Over half of all ASME volunteers access the system each month
  - Fundamental to enabling Delegates and Contributing members participation
  - ASME staff will assist participants with use of electronic tools

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Questions

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