



CSA AMERICA, INC.

Standards Development Programs

Standards Development Process

- **Process**
 - ANSI Accredited
 - Essential Requirements
 - ⇒ Due Process
 - ⇒ Consensus
 - ⇒ Open
 - ⇒ All interested parties

Standards Development Process



Standards Development Process

Advisory Council (AC)

Technical Committee (TC)

Technical Advisory Group (TAG)

Ad hoc Working Groups (WG)

Standards Development Process

- Central heating
- Hot Water heating
- Water heating
- Space heating
- Decorative heating

- Industrial heating
- Construction heating
- House piping systems
- Valves/regulators/ignition

- Commercial/Domestic/
recreation cooking
- Portable cooking/heating/
lighting
- Clothes drying

- Natural Gas vehicle/
station
- Stationary/portable/micro/
vehicle Fuel Cells
- Hydrogen generation and
storage

Standards Development Process

- **Advisory Council (AC)**
 - Leadership and direction
 - Monitors consensus process
 - Approves major subject area additions
 - Develops business strategies
 - Appoints new TC's
 - Monitors compliance
 - Monitors progress
 - Promotes use of standards, and identifies continued need
 - Program funding

Standards Development Process

- **Technical Committees (TC)**
 - Membership
 - ⇒ Organization Members
 - ⇒ Company Members
 - ⇒ Individual Members
 - ⇒ Associate Members

Standards Development Process

- **Membership Categories**
 - Producer
 - User
 - Government Agency
 - Consumer
 - General interest
 - Regulatory/Code Authority
 - Research/Testing

Standards Development Process

- **TC Officers**
 - Chair
 - Vice Chair
 - 3-year terms

Standards Development Process

- **TC Meetings**
 - Majority
 - Public notice
 - Open to interested parties



Standards Development Process

- **Voting**

- Each member or alternate
- Final vote at meeting, by letter ballot, or combination
 - ⇒ Approve
 - ⇒ Approve, with comment
 - ⇒ Disapprove, with reason
 - ⇒ Abstain, with reason



Standards Development Process

- **Actions requiring 2/3 approval**
 - New standard or reaffirmation
 - Standard revisions
 - Terminate TC
 - Revisions to procedures

Standards Development Process

- **Actions requiring majority approval**
 - Withdraw a standard
 - Form/disband a TAG
 - Meeting Minutes
 - Membership categories

Standards Development Process

- **Letter Ballot**

- Authorization

- ⇒ Chair

- ⇒ Majority at meeting

- ⇒ Petition by 5 or more members

- ⇒ CSA America



Standards Development Process

- **Disposition of Disapproving Votes**
 - Must go to TC
 - Chair decides how to handle (a) meeting, or (b) correspondence
 - Attempt to resolve
 - ⇒ Results made known to voter
 - Substantive standards changes to resolve need TC approval
 - PM handles non-substantive changes

Standards Development Process

- **Technical Advisory Group (TAG)**
 - TC establishes
 - No term limits
 - Membership not balanced
 - Alternate members

Standards Development Process

- **TAG Categories**
 - Producer/Manufacturer
 - User
 - General interest
 - Regulatory/code authority
 - Gas Supplier
 - Installer/ Service Contractor

Standards Development Process

- **TAG Officers**
 - Chair & v-chair
- **TAG Responsibilities**
 - Technical content
 - Recommend standards and revisions to TC
 - Sends substantive proposals for review and comment (R&C)

Standards Development Process

- **TAG Voting**
 - Standards
 - ⇒ 2/3 R&C
 - ⇒ 2/3 for submittal to TC

Standards Development Process

- **TAG Ad hoc Working Groups**
- **TAG Meetings**
 - Call of chair and PM
 - On need basis
 - Quorum = 25% minimum to conduct business

Standards Development Process

- **Review Standards**
 - At least every 5 years
 - ⇒ Revise
 - ⇒ Reaffirm
 - ⇒ Withdraw



Standards Development Process

- **Appeal Process**

- Materially affected parties
- Any action or inaction
- Try to resolve informally
- 3-Member Panel
- Panel Decision
 - ⇒ Find for appellant
 - ⇒ Find for respondent
 - ⇒ Find new evidence; remand to CSA America
- Further appeal to ANSI