



DOE Hydrogen and Fuel Cells Summit VIII



Difficulty of Code Changes in Absence of Supporting Technical Standards

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Presentation Outline

- ◆ Who we are
- ◆ How we operate
- ◆ Problem → Opportunity
- ◆ Resolution - Ongoing
- ◆ Future Challenges



CGA Background

- ◆ Founded in 1913
- ◆ Technical and Safety Standards Developing Organization
- ◆ ANSI Accredited SDO
- ◆ 200+ Publications
- ◆ 25 Standards Referenced in 49 CFR (DOT) and 29 CFR (OSHA)
- ◆ Active Participation in Code Activities Since 1988



Membership

- ◆ 150 Members
 - Industrial Gas Companies
 - Equipment Manufacturers
 - Regional Gas Companies
 - Other Associations
 - DOT and TC Advisors
- ◆ Manufacturers, Fillers, Distributors, and Transporters of Industrial and Medical Gases and Related Equipment



Hydrogen Standards Activity

◆ Committees

- Hydrogen Fuel Technology
- Bulk Distribution Equipment
- Hazardous Materials Codes
- Gas Specifications
- Cylinders, Valves & Pressure Relief Devices

◆ International

- Europe (EIGA)
- Japan (JIGA)
- United Nations
- International Organization for Standardization (ISO)



CGA Positions

Contained in published CGA documents that are developed through a consensus process

- Standards
- Technical Bulletins
- Safety Bulletins
- Position Statements
- Interpretation Letter



Publication Development Process

- ◆ Existing or new draft standard open for comment by all members
- ◆ Non-members can comment through website
- ◆ Responsible committee makes decisions on proposals
- ◆ Councils vote on decisions of committee
- ◆ Standard evaluated for further ANSI circulation or federal referencing



Identification of the Problem

- ◆ April 2002 ICC Mid-Year Hearings in Pittsburgh, PA
- ◆ September 2002 ICC Final Action Agenda Hearings in Ft. Worth, TX
- ◆ May 2003 ICC AHC meeting in Golden,
- ◆ September 2003 ICC Hearings in Nashville, TN



Internal/External Aspects

- ◆ Confusion about CGA Positions and who can represent CGA
- ◆ How to respond to new challenges with new deadlines where no CGA position exists
- ◆ Philosophy separating users from manufacturers
- ◆ Coordination within CGA – one voice



Initial Steps forward

- ◆ November 2003 ICC AHC Meeting in Golden, CO
 - Opportunity for CGA to address the AHC and clarify how CGA positions are developed
 - Opportunity for CGA to understand the goals of the AHC and become sensitive to the timelines
 - Important step in improving communication and the sharing of work product



Resolutions - Ongoing

- ◆ Actions consistent with the CGA Mission
- ◆ Code Applicability
- ◆ Code Development Principles
- ◆ Expedited Docket Process
- ◆ Code of Conduct
- ◆ Defined internal committee responsibilities
- ◆ Non-member access



Future CGA Challenges

- ◆ Get involved early in the process
- ◆ Support the continuing code development effort
- ◆ Broaden participation within CGA
- ◆ Investigate new areas of interest
- ◆ Develop CGA consensus positions with consideration of non-member views
- ◆ Understand the impact of changes within all associated codes
- ◆ Support consensus positions in all model codes