

# API and International Standardization

## INTERNATIONAL STANDARDIZATION WORKSHOP FOR THE GLOBAL OIL AND GAS INDUSTRY – FOCUSING ON MEXICO

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# API and International Standardization

- **API History and Mission**
- **API Standards and Standards Committees**
- **API Involvement in International Standards**
- **Conclusions**

# API History

- **1919: API founded as national trade association for US oil and gas industry**
  - Trade associations represent industry before government, develop standards and conduct research
- **API is only US trade association representing all segments of oil and gas industry**
  - Exploration & Production, Refining, Marketing, Pipeline and Marine Transportation
- **API now represents 400 member companies**
  - API is privately funded through member dues and special programs like standards and certification

# API Mission

- **Influence public policy in support of strong U.S. oil and natural gas industry**
- **Engage in legislative and regulatory advocacy**
- **Provide industry forum to develop consensus policies**
- **Work collaboratively with other associations**
- **Provide opportunity for standards development to improve industry competitiveness**

# API Standards

- **Standards improve industry competitiveness by adding value:**
  - Improved safety and reliability
  - Reduced compliance costs
  - Reduced procurement costs
- **API has published a brochure entitled “The Oil and Natural Gas Industry’s Most Valuable Resource” describing the value of standardization**

# API Standards Program

- **API is an American National Standards Institute, or ANSI-accredited Standards Developing Organization**
  - Open, Transparent Consensus Process
  - Approved and Published Procedures
  - Regular Program Audits

# API Standards and Standards Committees

- **API publishes 500 technical standards developed primarily by three main committees:**
  - Exploration and Production (Upstream) Standards developed by the Executive Committee on Standardization of Oilfield Equipment or Materials, or ECS
  - Refining (Downstream) Standards developed by the Committee on Refinery Equipment
  - Measurement Standards developed by the Committee on Petroleum Measurement
  - These three committee represent ~400 of the 500 standards, with the remaining standards addressing pipeline operations, offshore production, marketing, and fire & safety recommended practices

# API Standards and Standards Committees

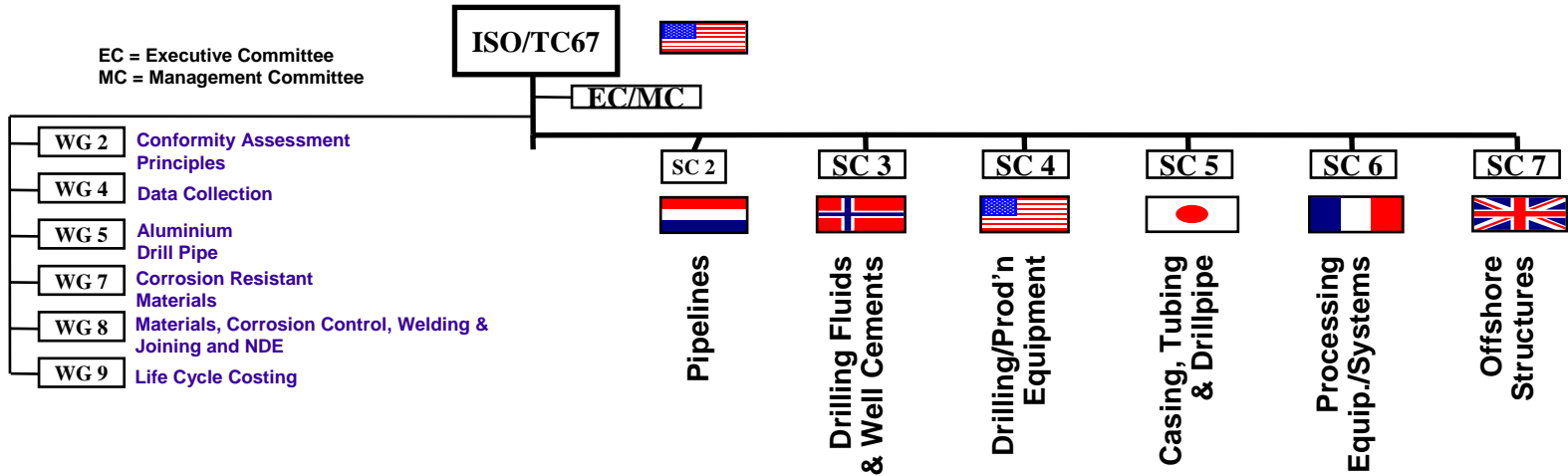
- **Each committee provides policy oversight, resource coordination and research guidance to their subordinate subcommittees**
- **Each committee usually meets twice a year with subcommittees meeting as needed to advance their work program**
- **Each committee has a role in international standardization**

**API has published a brochure “There’s always room for new ideas on an API standards committee” to encourage participation**

# An Industry in Transition

- **Since 1924 API Standards have been “de facto” international standards as recently cited in a US Department of Commerce report**
- **In the 1970s the North Sea Discoveries required different, more stringent requirements**
- **In the 1980s this trend accelerated with new frontier areas becoming available**
- **ISO/TC 67 reactivated in 1989, ANSI accepted secretariat**

# Structure of ISO TC 67



**ISO TC67: Materials, Equipment and Offshore Structures for Petroleum and Natural Gas Industries: Drilling, Production, Refining and Transport by Pipelines**

# API's Involvement in International Standardization

- **API staff canvassed industry and submitted approximately 70 API standards for the initial TC 67 work program**
- **API assumed secretariats in behalf of ANSI in 1995**
- **As the work program matured API looked to formalize its approach to international standardization**

# API Standards in a Global Environment

- **API staff developed the “API Standards in a Global Environment” paper to articulate the API global standards approach:**
  - Approach is to identify standards that are appropriate to migrate into international arena via appropriate bodies, and to work collaboratively to develop those standards
  - Examples include ISO, IP (now EI), and ILSAC

# API Standards in a Global Environment

- **API believes that the greatest benefit to industry is derived from common standards on material and equipment:**
  - Procurement and commodity product standards – appropriate for international applications
  - Regulatory and Design & Guidance standards – less feasible for international applications

# API Opportunities

- **API, as an organization, can benefit from the internationalization standards process:**
  - Opportunity to be seen by members as global partner
  - Formal recognition for API standards already used globally

# API Opportunities

- **Opportunity to create ‘value-added’ national adoptions of ISO standards**
  - Recent valve standard referenced in US Federal Regulations included third party testing and API certification program
- **49 standards have been adopted to date, with more under consideration**

# API Opportunities

- **Opportunity to adopt standards on products not currently in API suite, and to develop industry directed certification programs**
- **Additional global presence and credibility, demonstrated by recent briefings to international standards officials conducted at the request of API members and international workshops**
- **Opportunity for improved stature such as through the proposed API-ISO Editorial Service Agreement**

# API and International Standardization

## Conclusions

- **API will continue its leadership role in oil and gas industry standards development because standards add value and improve industry competitiveness**
- **API will continue its leadership role in the international standards arena because of the benefit to both its member companies and to API**
- **API will continue to look for additional opportunities to leverage its suite of standards**

# API and International Standardization

**THANKS!**

**For more information contact:**

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