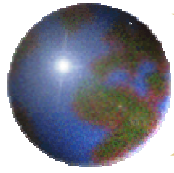


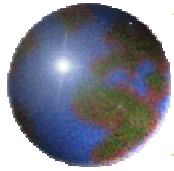
***OPS R&D Forum***  
***March 22, 2005***

**Andrea Johnson**  
**American Petroleum Institute**



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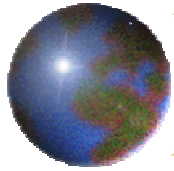
- ✦ API History and Mission
- ✦ API Standards and Standards Committees
- ✦ API Involvement in International Standards
- ✦ Conclusion



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## *API History and Background*

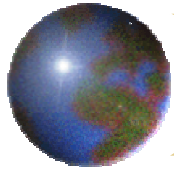
- ❁ 1919: API founded as national trade association for US oil and gas industry
  - ❑ Trade associations represent industry before government, develop standards and conduct research
- ❁ API is only US trade association representing all aspects of oil and gas industry
  - ❑ Exploration & Production, Refining,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



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## *API Mission*

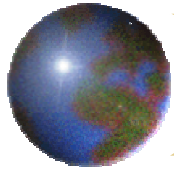
- ✦ Influence public policy in support of strong U.S. oil and natural gas industry
- ✦ Engage in legislative and regulatory advocacy
- ✦ Provide industry forum to develop consensus policies
- ✦ Work collaboratively with gvt. Agencies and other associations
- ✦ Provide opportunity for standards development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



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## *API Standards*

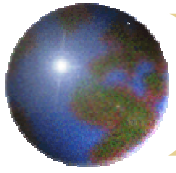
- API Standards add value:
  - Standards Improve Safe Operations
  - Standards Improve Equipment Interchangeability
  - Standards Reduce Compliance Costs
  - Standards Reduce Procurement Costs
  
- API has quantified the benefits of standardization in its paper “The Value of Standardization”, available from API



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## *API Standards Committees*

- API publishes 550 technical standards and publications :
  - Exploration and Production Standards - Executive Committee on Standardization, or ECS
  - Refining Standards – Committee on Refinery Equipment, or CRE
  - Measurement Standards – Committee on Petroleum Measurement, or COPM
  - Pipeline – General Committee on Pipeline
- Each committee provides policy oversight, resource coordination, and funded research
- Each committee also manages an international standards coordination program

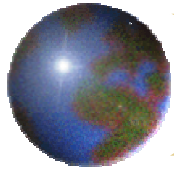


## *Requests for New Projects and Research*

- ✦ This form is used for proposing new API Standards activities and funding requests (including research)
- ✦ Provides opportunity for working groups to justify work and request funding
- ✦ Focused on proper resource allocation
- ✦ Approved by parent committee then by oversight budget committee

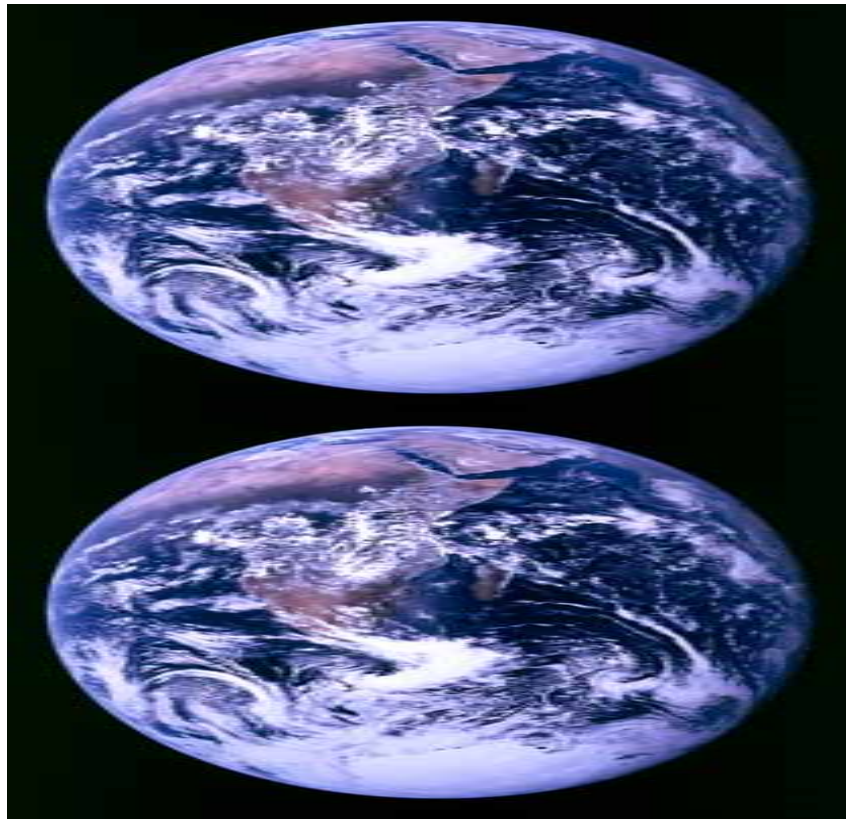


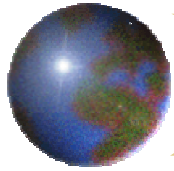




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# *API's Involvement in International Standardization*

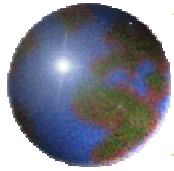




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## *An Industry in Transition*

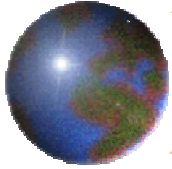
- Since 1924 API Standards have been “de facto” international standards
- In the 1970s the North Sea Discovery required different, more stringent requirements
- In the 1980s this trend accelerated with new frontier areas becoming available
- ISO/TC 67 reactivated in 1989, the US (ANSI) accepted secretariat:
  - **ISO TC67: Materials, Equipment and Offshore Structures for Petroleum and Natural Gas Industries: *Drilling, Production, Refining and Transport by Pipelines***



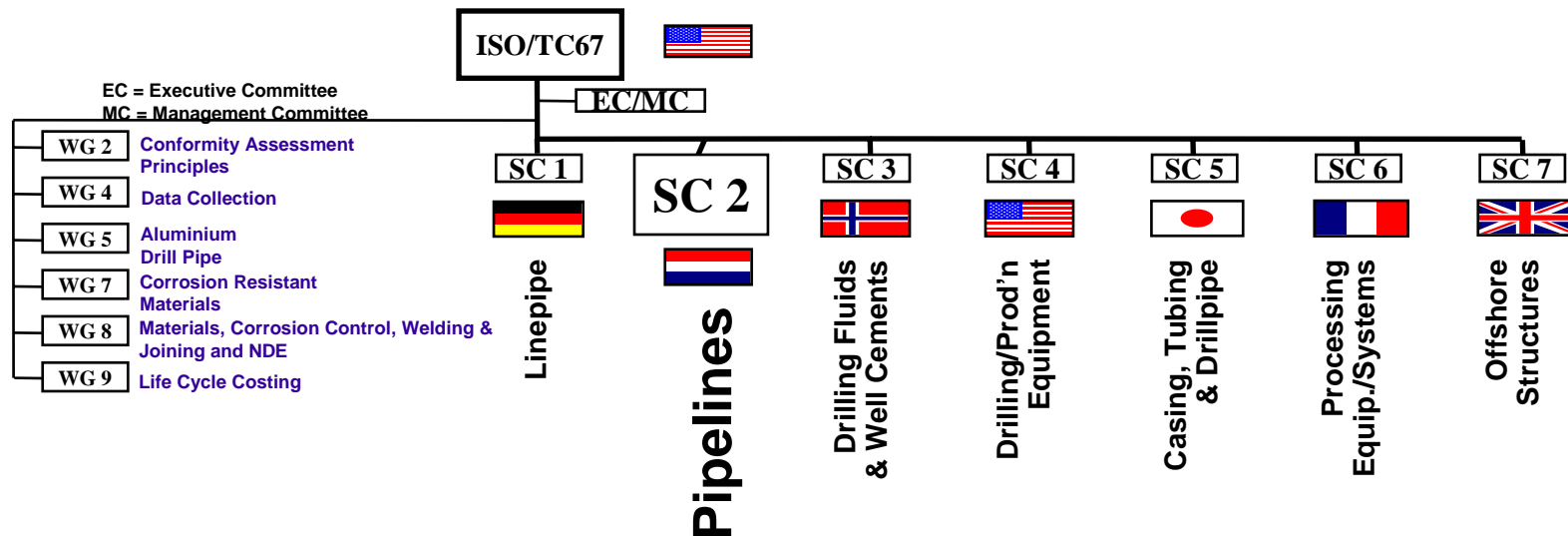
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## *API's Involvement in International Standardization*

- API canvassed industry and submitted approximately 70 API standards for the initial ISO TC 67 work program
- Standards were “fast tracked” or put on the work program to be revised in ISO system
- API then assumed the ISO TC 67 secretariat on behalf of ANSI in 1995
- API is also the US Technical Advisory Group (TAG) Administrator for ISO TC67 and its SC's

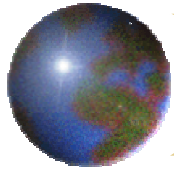


## Structure of ISO TC 67



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

**ISO TC67/SC2: Pipeline Transportation Systems for the Petroleum and Natural Gas Industries**

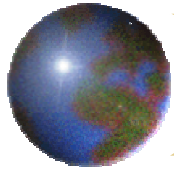


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## *Role of API as ISO TC67*

### *Secretariat*

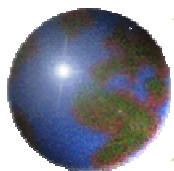
- International
- Provide chair and secretary (= secretariat)
- Manage the work program of ISO TC67
- Maintain Policies and Procedures for ISO TC67
- Provide the administrative resources to progress the work program (databases, websites, etc.)



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# *API's Role as US TAG Administrator to ISO TC67*

- ❑ United States
- ❑ Maintains TAG rosters
- ❑ Distributor of ISO materials to relevant ANSI/US TAG's
- ❑ Coordinates US position on draft ISO standards and ISO plenary meetings (US delegation)
- ❑ Using approved ANSI/API standards procedures, coordinates US national adoption of ISO standards and API/ISO standards



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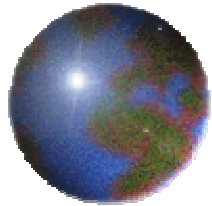
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### **Conclusions:**

- API continues to have the leadership role in oil and gas industry national and international standards development because standards add value and improve industry competitiveness
- API is involved in ISO both as secretariat to ISO TC67 and as US TAG Administrator to ISO TC67
- API websites:

[www.api.org](http://www.api.org)

<http://committees.api.org/standards/index.html>



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