



AMERICAN PETROLEUM INSTITUTE
Global Industry Services

Overview and Update of API Standards

IADC South East Asia Chapter Meeting
Kuala Lumpur, Malaysia • March 21, 2017

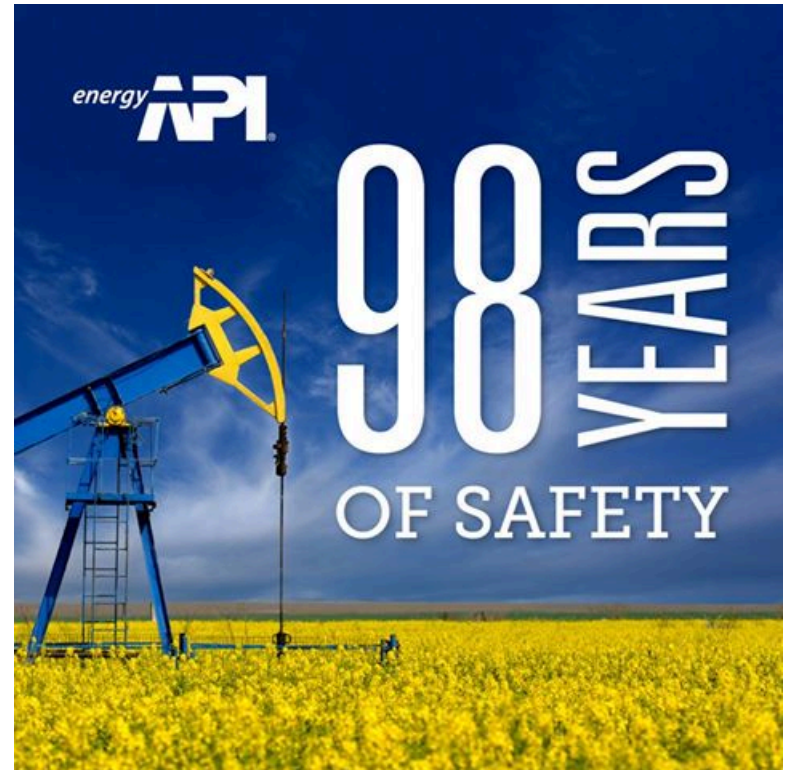
Eric Ho
American Petroleum Institute
Singapore

Scope of Presentation

- ❑ API Background
- ❑ API Standards Program
- ❑ Updates
- ❑ Value of Participation
- ❑ Q&A

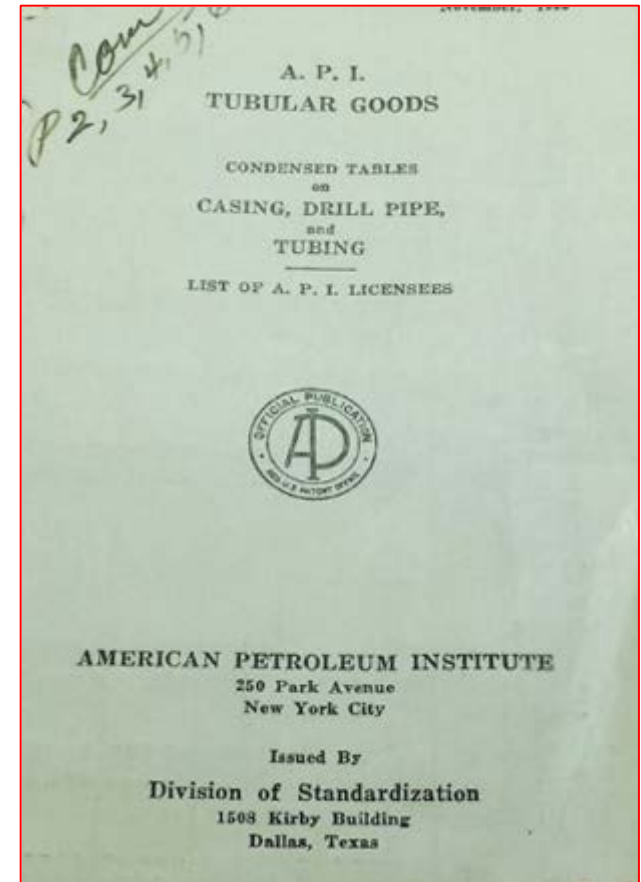
API Background

- ❑ March 20, 1919: API founded as non-profit national trade association
- ❑ 1923: Standards Department was formed and the first standards on pipe sizes, threads, and couplings were published in the following year



API Standards Program

- ❑ Basis for the industry's worldwide operations
- ❑ Foundation of self-supporting programs including API Monogram
- ❑ More than 7000 active volunteers representing over 50 countries



API Standards Program

- API publishes close to 700 technical standards
 - Exploration and Production
 - Refining
 - Marketing
 - Pipeline Transportation
 - Petroleum Measurement



API Standards Program

API Standards Committees

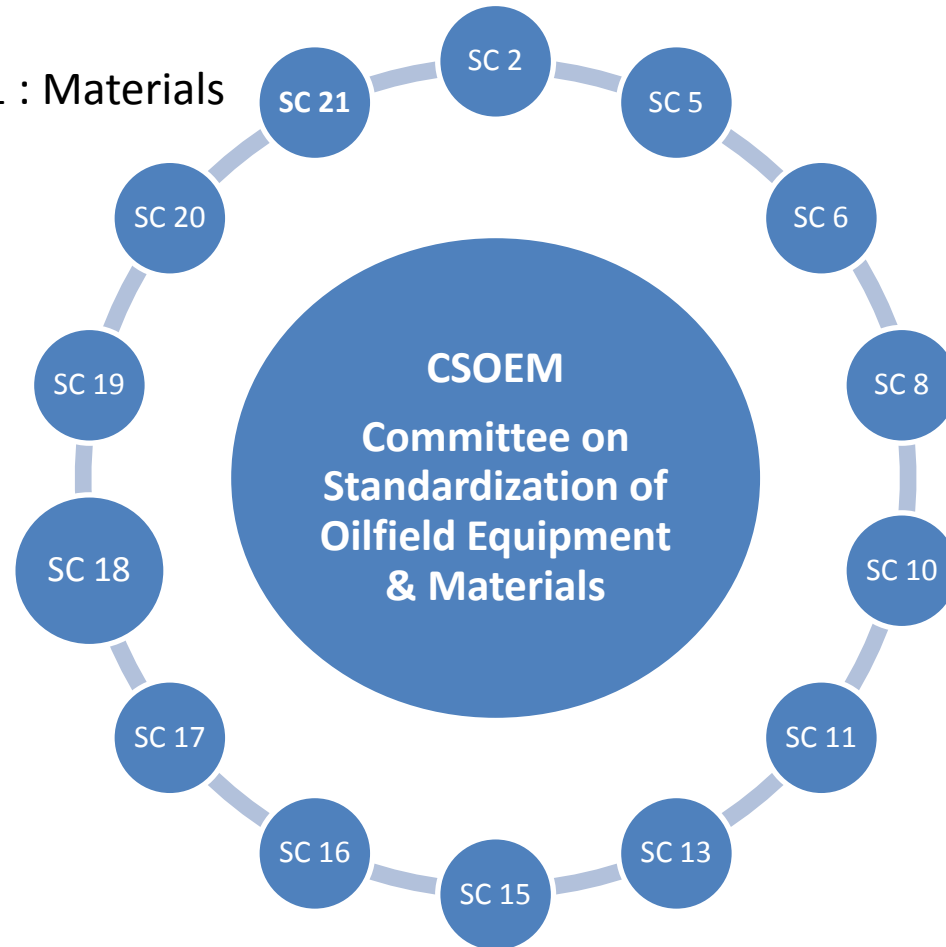
- ❑ Committee on Standardization of Oilfield Equipment & Materials (CSOEM)
- ❑ Drilling and Production Operations Subcommittee (DPOS)
- ❑ Committee on Refinery Equipment (CRE)
- ❑ Committee on Petroleum Measurement (COPM)
- ❑ Safety & Fire Protection
- ❑ Pipelines
- ❑ Marketing/Aviation

API Standards Program

API Upstream Standards Subcommittees

Newest subcommittee 21 : Materials

SC 18 is responsible for the development and maintenance of API-Q1 and Q2



Updates

Work under Development

- ❑ Spec 6A, 21st Edition (Wellhead and Christmas Tree Equipment) – *open for comments until Apr 6, 2017*
- ❑ Spec 16A, 5th Edition (Specification for Drill-through Equipment)
- ❑ Standard 16AR, 1st Edition (Repair and Remanufacture of Blowout Prevention Equipment)
- ❑ **Standard 53, 5th Edition** (Blowout Prevention Equipment Systems for Drilling Wells)
- ❑ **Recommended Practice 54, 4th Edition** (Recommended Practice for Occupational Safety for Oil and Gas)
- ❑ **Recommended Practice 77, 1st Edition** (Mitigating Hydrocarbon Vapor Exposure for Protection of Personnel in the Oil and Natural Gas Industry)
- ❑ **Technical Report 18TR2**, Guidance to API Spec Q2, 1st edition

Updates

- ❑ Recommended Practice 92M, 1st Edition (Managed Pressure Drilling Operations with Surface Back Pressure)
- ❑ Recommended Practice 92P, 1st Edition (Pressurized Mud Cap Operations for Rigs with Subsea BOP Systems)
- ❑ Recommended Practice 92S, 1st Edition (Managed Pressure Drilling Operations – Surface Backpressure with a Subsea Blowout Preventer)
- ❑ Recommended Practice 92U, 2nd Edition (Underbalanced Drilling Operations)
- ❑ Recommended Practice T-8, 1st Edition (Safety Training for Workers on Offshore Production Facilities)

Value of Participation

- ❑ **Early access** to information
- ❑ A **voice** in the development of a standard
- ❑ **Networking** with experts from other companies to learn from their experiences
- ❑ **Sharing** lessons learned to prevent problems before they occur

Value of Participation - Requirements

- ❑ Be technically proficient in a discipline related to the standard
- ❑ Attend or participate in committee meetings
- ❑ Agree to work on committee business such as standards revisions and technical inquiries
- ❑ Have the support of company management to participate
- ❑ API corporate membership **is not** a requirement for participation on API standardization committees

Value of Participation

Upcoming Upstream Standards Events

- 2017 Exploration and Production Standards Conference on Oilfield Equipment and Materials – June, 26-30 (Alberta, Canada)
- *Involves SCs 5, 8, 10, 13, 16, 18, 20 and 21*
- 2017 API Offshore Safe Lifting Conference & Expo – July, 11-12 (Houston, Texas) – **IADC-endorsed Event!**

Other API Programs



API Monogram™
Program



API Quality
Registrar (APIQR™)



API Engine Oil Licensing
Certification Program
(EOLCS™)



API Individual
Certification Programs
(ICP™)



API-U Training



AMERICAN PETROLEUM INSTITUTE
Global Industry Services

Contact Information

South East Asia & Australia

Eric Ho, API

Tel: (65) 6408 0120

Cell: (65) 8333 0558

E-mail: hoe@api.org / australasia@api.org

Skype: fs-eric-ho



AMERICAN PETROLEUM INSTITUTE
Global Industry Services

Thank you.