

# API and ISO Standards Coordination

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BP Technical Authority – Well Equipment

4th ISO seminar on international standardization in the reliability technology and cost area

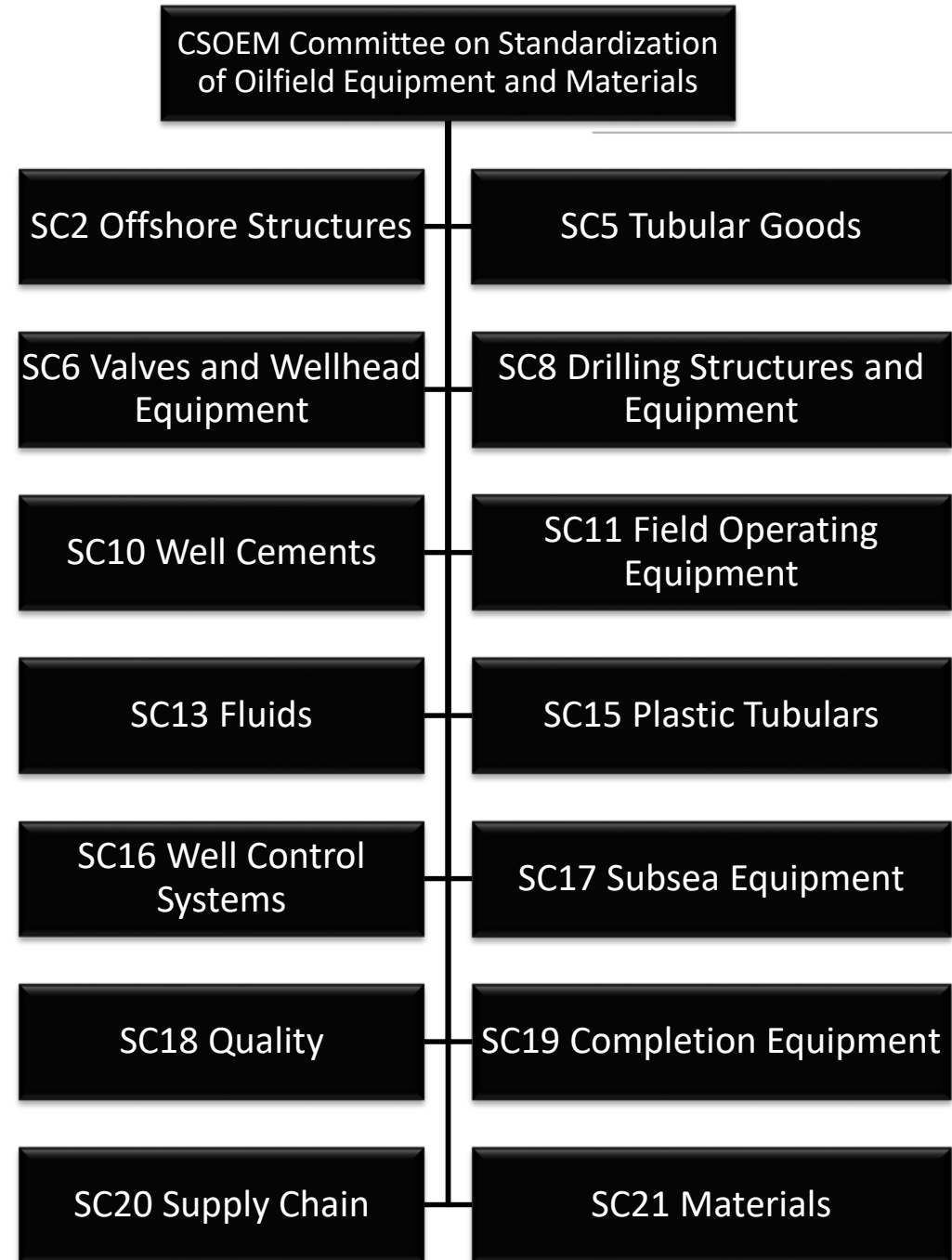
Statoil, Houston, USA,  
4 May 2018

## API Overview

- API formed in 1919 as national trade association to support the U.S. oil and natural gas industry
- API Standards Department published first standard in 1924 covering pipe sizes, threads, and couplings
- Today, API maintains more than 700 standards with ~270 on E&P activities
- API Standards in regulation
  - 96 standards referenced by BSEE in CFR
  - 135 standards referenced by US Government in total
  - 240 standards referenced by state governments
  - 225 standards referenced globally

# API CSOEM Organization

- One of 6 committees developing standards
- Each subcommittee develops and maintains standards through task/work groups according to established policies and procedures
- Over 7,000 subject-matter experts are involved in developing and maintaining API standards across all committees



## API Document Types

- **Specifications** – Documents written to facilitate communications between purchasers, manufacturers, and/or service suppliers
- **Standards** – Documents that combine elements of both specifications and recommended practices
- **Recommended Practices** – Documents that communicate proven industry practices; RPs may include both mandatory and non-mandatory provisions
- **Bulletins & Technical Reports** – Documents that convey technical information on a specific subject or topic and are generally issued on a one time-basis

# Present

283 Active Standards across 14 Subcommittees

<u>Spec</u>	<u>STD</u>	<u>RP</u>	<u>TR</u>	<u>Bull</u>	<u>TBD</u>
85	29	116	38	8	7

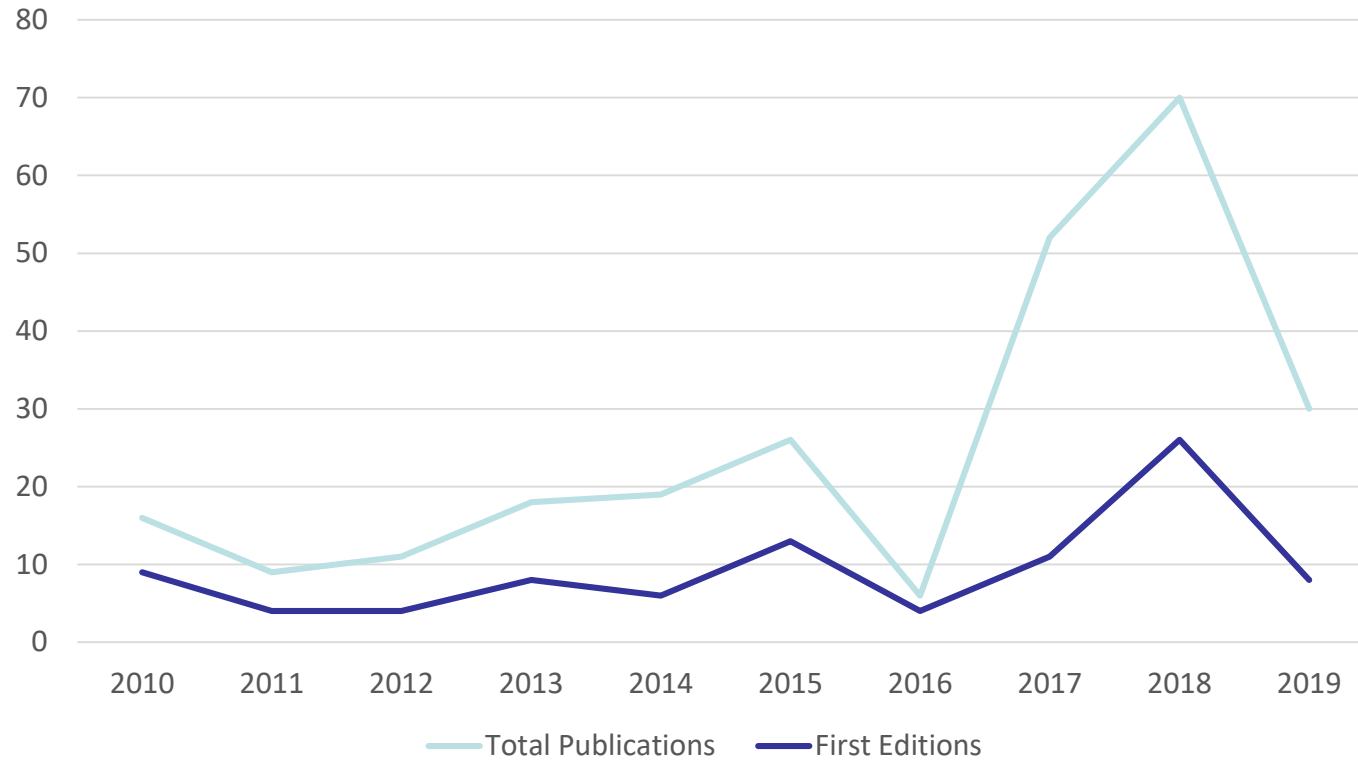
138 documents in revision,

- 49 will be first editions including 16 new RPs, 12 new Specs, 8 new TRs, 10 new STDs, and 5 TBDs

SC	Total Docs	In Process	% of Total
2	41	17	41%
5	37	19	51%
6	27	12	44%
8	11	4	36%
10	18	10	56%
11	18	6	33%
13	15	7	47%
15	9	6	67%
16	16	12	75%
17	40	13	32%
18	6	2	33%
19	30	23	77%
20	14	6	43%
21	1	1	100%
	<b>283</b>	<b>138</b>	<b>49%</b>

# CSOEM Publications by year

CSOEM Publications by Year



2017 – 26 published, 11 new

2018 – 70 planned, 26 new

2019 – 30 planned, 8 new

API Standards Plans available here:

<http://www.api.org/products-and-services/standards/program-information/annual-standards-plan>

## API and ISO

- Today 39 API standards are U.S. adoptions of ISO standards
- There are 13 other API standards that were previously U.S. adoptions of ISO standards
  - These 13 standards previously existed as API standards
- Within 3 years, it is likely that the number of U.S. adoptions of ISO standards will decrease by 16
- ISO currently plans to revise several ISO standards by making normative reference to updated API standards (more details later)

## Why cooperate?

- Industry benefits from a single set of standards that are developed and maintained by the most competent, globally diverse, yet organized set of subject-matter experts
  - Consistent, global approach to **safety and reliability**
  - Results in a common standard for **procurement of equipment**
  - **Less industry time** spent in standards development and administration
  - Regional focus still possible to **accelerate development** of some standards
  - **Facilitates possible adoption** of standards by regulators
  - **Legally compliant** process for all concerned



## Future

- ISO TC67 is creating a series of supplemental standards that normatively refer to existing or soon to be revised API Standards
- 67 standards have been identified as candidates
- 23 standards in the first priority list
- API, ISO TC67, IOGP quarterly meetings to review progress

ISO Ref.	API Ref.
10414-2	RP 13B-2
10426-4	RP 10B-4
10432	Spec 14A
13501	RP 13C
13534	RP 8B
13626	Spec 4F
13628-2	Spec 17J
13628-11	RP 17B
13705	Std 560
13706	Std 661
16070	14L

ISO Ref.	API Ref.
14310	Spec 11D1
14693	Spec 7K
13704	Std 530
13533	Spec 16A
13624-1	RP 16Q
13628-5	Spec 17E
14723	Spec 6DSS
10426-2	RP 10B-2
13628-14	Std 17O
13628-1	RP 17A
10431	Spec 11E
2000	28300

# Q & A

