ISO/TC67 Update
- Together for the World -

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Chairman ISO/TC67

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Objective

• Provide a grounding to participants on ISO/TC67 activities as input to the break out sessions
• Explain where ISO/TC67 fits in today's world
ISO/TC67 Scope

Standardization of the **materials, equipment** and offshore structures used in the drilling, production, transport by pipelines and processing of liquid and gaseous hydrocarbons within the **petroleum, petrochemical and natural gas industries**.

Excluded: aspects of offshore structures subject to IMO requirements (ISO/TC 8).

So: **Upstream & Downstream, Offshore & Offshore**
ISO/TC67 Vision

Global Standards Used Locally Worldwide
ISO/TC67 Goals

• Prepare standards required by the industry
• Prepare standards that are adopted worldwide by bodies such as:
  - ABNT (Brazil)  API (USA)
  - CEN (Europe)  GOST R (Russian Federation)
  - GSO (Gulf Region)  SAC (China)
• Prepare standards that are recognized by regulators
• Publish standards that enable companies to minimize their specifications
• Deliver standards to the agreed work programme
ISO/TC67 Facts

• Created: 1947
• Published standards: 161
• Current work programme: 105
• Experts: 2500+
• Liaison with external stakeholders
  – International Regulators Forum (IRF)
  – International Association of Oil and Gas Producers (OGP)
  – International Association of Drilling Contractors (IADC)
  – Regional standardisation organisations (CEN, GSO)
  – Other standardisation organisations (e.g. NACE)
• Liaison with 19 TCs e.g.
  – ISO/TC153 (Valves)
  – ISO/TC118 (Compressors)
  – IEC/TC18 (Electrical installations of ships and of mobile and fixed offshore units)
ISO Standards for use in the oil & gas industry
ISO/TC67 Membership

32 Participating Members
30 Observing Members
ISO/TC67 Structure

ISO/TC67 Chair

Management Committee

Secretariat (NEN)

SC2 Pipeline transportation systems

SC3 Drilling and completion fluids, and well cements

SC4 Drilling and production equipment

SC5 Casing, tubing And drill pipe

SC6 Processing equipment and systems

SC7 Offshore Structures

SC8 Arctic Operations

WG2 Conformity assessment

WG4 Reliability engineering, and technology

WG5 Aluminium alloy pipes

WG7 Materials for use in H2S containing environments

WG8 Materials, corrosion control, welding and NDE

WG10 LNG installations and equipment

WG11 Coating and lining of structures & equipment

WG12 CO2 aspects

Secretariat (NEN)
## ISO/API Mapping

<table>
<thead>
<tr>
<th>ISO</th>
<th>API</th>
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</thead>
<tbody>
<tr>
<td>SC2: Pipeline Transportation Systems</td>
<td>SC5 (partly – line pipe)</td>
</tr>
<tr>
<td>SC3: Drilling and Completion Fluids</td>
<td>SC10</td>
</tr>
<tr>
<td>SC4: Drilling and Production Equipment</td>
<td>SC6, SC16, SC17</td>
</tr>
<tr>
<td>SC5: Casing, Tubing and Drill Pipe</td>
<td>SC5</td>
</tr>
<tr>
<td>SC6: Processing Equipment and Systems</td>
<td>CRE subcommittees</td>
</tr>
<tr>
<td>SC7: Offshore Structures</td>
<td>SC2</td>
</tr>
<tr>
<td>WG2: Conformity Assessment</td>
<td>SC18</td>
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</tbody>
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Global developments

• Increased global energy demand as economies around the world continue to expand
  – Hydrocarbon sector will remain important
• New economies are eager to participate in all parts of the industry
• Regulators continue to be very interested in the normative aspects of standards
• Expectations on the performance of the industry will only increase
• The world is more and more connected

=> The role of ISO/TC67 is as vital as ever before
Current issues (1)


- 30 ISO standards under revision (10 high priority)
- Lessons need to be used in the entire world
- International standards are an essential tool in this
- However, needs close cooperation with others - API, IRF and OGP
Current issues (2)

• Cooperation between API and ISO suspended
• European and US trade regulations
  – Temporary solution for experts to continue their ISO work through OGP
  – API & OGP looking at industry options for global standardization
  – Positive decisions from OFAC (USA) and European Commission on ISO work
Simplified flow chart OGP interim solution compared to ISO route

**OGP Process**

- Project Initiation
- Drafting in WG
- Publication of Draft
- Comment Resolution
- Publication of Draft
- 2nd Ballot ("FDIS")
- 1st Ballot ("DIS")
- Commentary
- 2nd Ballot ("FDIS")
- Published Standard

**Trade regulation barrier.**
Draft standards text and comments will be available in the public domain.