



ISO/TC 67 COMMUNIQUÉ

Issue N° 3 | April 2020



NEW PUBLICATIONS IN Q1 OF 2020

ISO/TC 67 celebrated three publications, all first editions, in the first quarter of 2020 (excluding amendments):

- ✓ **ISO 20088-2**, *Determination of the resistance to cryogenic spill of insulation materials – Part 2: Vapour exposure*
- ✓ **ISO 20321**, *Safety of machineries – Powered elevators*
- ✓ **ISO 35102**, *Arctic operations – Escape, evacuation and rescue from offshore installations*

With the publication of ISO 35102, **ISO/TC 67/SC 8** 'Arctic operations' successfully completed its initial work programme consisting of six ISO documents. Congratulations to the ISO/TC 67/SC 8 leadership, working group convenors, project leaders and subject-matter experts with this excellent milestone as well as thanks to IOGP for providing resources.



Global standards used locally worldwide

List of ISO TC67 standards and their status with API, CEN and various regional and national standards developing organizations

January 2020

Another ISO/TC 67 highlight is the publication of the 2nd edition of '*Global standards used locally worldwide*'

ISO/TC 67 MANAGEMENT COMMITTEE MEETING

Due to the corona virus, the original planned face-to-face meeting of the ISO/TC 67 Management Committee in Brussels on 18 and 19 March 2020, needed to be rescheduled as a virtual meeting only with a more condensed 1-day agenda to keep remote participation manageable. Despite this last-minute change, the ISO/TC 67 Management Committee welcomed fifty members in the virtual meeting room, with several members who had to burn their midnight oil.

ABOUT ISO/TC 67

ISO/TC 67 is responsible for standardisation 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.



ISO/TC 67 has set the following 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) and SAC (China)
- ✓ prepare standards that are recognised by regulators
- ✓ publish standards that enable companies to minimise their specifications
- ✓ deliver standards to the target dates on the agreed work programme

ISO TC 67 - In Numbers

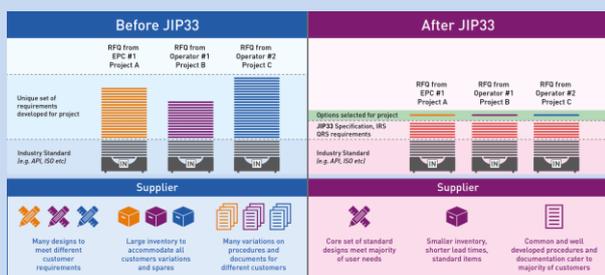


IOPG STANDARDS COMMITTEE

The members of the IOGP Standards Committee gathered online on 17 March 2020. IOGP is a valued liaison organisation of ISO/TC 67 by providing significant resources and offering their materials to enable ISO/TC 67 developing and maintaining the standards that respond to stakeholders needs and expectations. In this respect, the IOGP Standards Committee is an important contributor by identifying new topics, carrying out preparatory work, studies and research that can be used as input for standards, and sharing experiences and viewpoints also to coordinate activities.

Highlights of this IOGP Standards Committee meeting include:

- Report about several sessions with API and ISO/TC 67 to improve coordination of maintaining standards with a joint history
- Good progress of **JIP33** on standardising procurement specification with first deliverable of phase 3 being published and announcement of phase 4 dealing with maintenance of specifications
- Successful transfer of **CFIHOS** (Capital Facilities Information Hand Over Specification) to IOGP
- Reports by subcommittees in the field of offshore structures, piping & valves, material & corrosion, coatings, and information standards, including their interfaces with ISO/TC 67
- Outline of lower carbon agenda



JIP33 was initiated with support from the World Economic Forum capital project complexity initiative – in response to industry-wide overruns on cost and schedule of more than 40 %

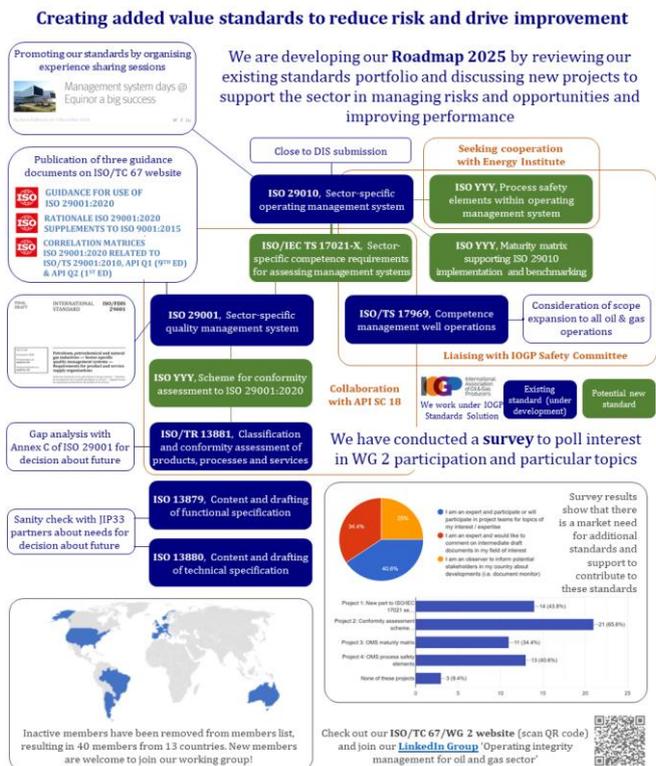
PROGRESS REPORTS SUPPORTING DEVELOPMENTS

ISO/TC 67 has also ad-hoc groups, advisory groups and task forces to address particular to prepare for or support standardisation activities.

Committee manager Françoise de Jong (NEN) presented the update of the taskforce on **communication**, aiming at encouraging participation in ISO/TC 67 standard development and the use of standards as well as improving the use of internal communication/procedures. She advised that the communication tools box

Philip Smedley, ISO/TC 67 chair, appreciated the flexibility and high attendance in his opening address where he also presented his objectives for this meeting:

- ✓ keep you safe and well
- ✓ brief summary of key progress, challenges, opportunities and barriers
- ✓ review 2020 goals for subcommittee and working groups
- ✓ hear your expert opinions, priorities and expectations



Poster sessions were introduced to make ISO/TC 67 meetings more interactive

PROGRESS REPORTS ON STANDARDISATION

As the subcommittee (SC) and working group (WG) reports were intended to be presented during poster sessions to allow for more interaction between the participants, the posters prepared were now used at the online meeting. It was great to see that all SC and WG leadership had taken the effort to summarise their highlights in poster format. In general, in the past period a lot of efforts were made to update the work programmes, also by developing so-called ISO supplements to API documents. In addition, several new standards were presented to be added to the ISO/TC 67's standards portfolio.

has already been better equipped, also recalling the new [ISO/TC 67 website](#) and the LinkedIn group ‘[International standards for oil and gas sector](#)’, with more tools to follow.

Helge Olsen (Standards Norway) and Tom Shortall (Shell) reported about the advisory group on **digital implementation**. They presented their work plan consisting of establishing:

- authoring guidelines to write standards in a way that the machine can understand
- “sentence centric”, textual mark-up/tagging scheme for production of standards content on a format that can be imported into requirement compliance tools and similar
- high-level architecture for data-centric, semantic information management, including content from standards, for demonstration and implementation

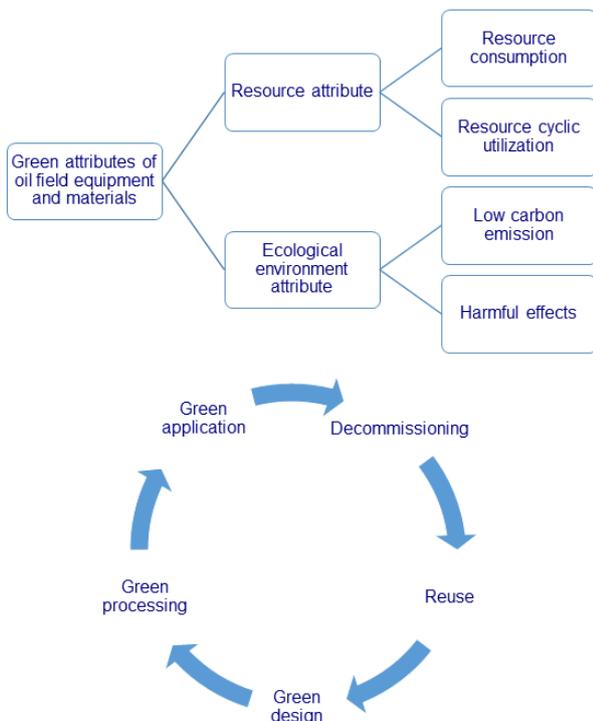


Illustration of the concept of green manufacturing of oilfield equipment and materials

Terry Qin (CNCP) reported about the progress of the ad-hoc group on **green manufacturing**. He advised that the ad-hoc group has finished a draft position paper on green manufacturing explaining the need and opportunities for the oil and gas sector. He further reported that the ad-hoc group is developing a proposal for an ISO deliverable with general requirements for green manufacturing of oilfield equipment and materials.

Sun Gang (PetroChina) introduced the newly established ad-hoc group on **improved and enhanced oil recovery (IOR/EOR)** that will look into various simulation technologies taking into the carbon footprint of these technologies. He advised that the ad-hoc group has further defined their scope of work, carried out research about IOR and EOR technologies applied across the world and mapped the relevant standards that already exist.

CEN/TC 12 MEETING

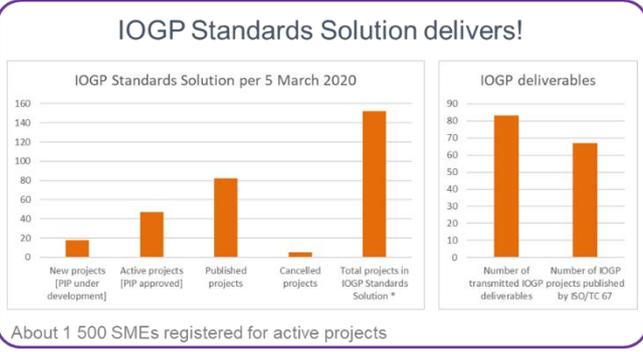
Also **CEN/TC 12** ‘Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries’ gathered virtually at their meeting on 19 and 20 March 2020. This committee act as European mirror committee for ISO/TC 67 by adopting all standards within the scope of CEN/TC 12 as European standard. With this single process, an ISO standard becomes a national standard in the 34 countries that are currently member of CEN. This is a very strong vehicle to realise ISO/TC 67’s vision of ‘International standards used locally worldwide’.

In addition to updating the work programme, CEN/TC 12 is also preparing for the upcoming **standardisation request** for machinery used in the drilling and well intervention operations in the offshore oil and gas industry. An ad-hoc group has prepared a prioritisation of so-called Type C safety standards following a risk-based approach. In addition, they carry out a pilot project on drawworks to gain experience with developing **harmonised standards** to be cited in the Official Journal of the European Union (OJEU).

```
[sec sec-type="reqs"]
4 Guidelines for corrosion evaluation
[sec sec-type="reqs"]
4.1 General
[named-content(1) content-type="capability" vocab-term="shall"]The materials selection process shall take into account all statutory and regulatory requirements. [1][named-content(2) content-type="capability" vocab-term="shall"]The project design criteria, such as design lifetime, inspection and maintenance philosophy, type and frequency of interventions, safety and environmental profiles shall be considered.[2]
[named-content(3) content-type="capability" vocab-term="should"]In general, robust materials selection should be made to ensure operational reliability throughout the design life. [named-content(3.1) content-type="capability" vocab-term="should"]For offshore installations, access for the purposes of maintenance and repair should be carefully considered in the design.[3.1][3]
The possible scenarios covered by this International Standard are the following:
[list list-type="alpha-lower"]
a. injection wells;
[list list-type="order"]
1. injection of high CO2 content gas (with and without H2S presence);
2. alternate injection of high CO2 content gas (with and without H2S presence) and water (WAG);
```

Another highlight was the presentation by Helge Olsen about the results of the CEN-CENELEC pilot project for the petroleum sector with regard to digitalisation, in which EN **ISO 17438**, *Materials selection for high content CO₂ for casing, tubing and downhole equipment* has been used to transform in a machine-readable document, from which also ISO/TC 67 will benefit.

Status IOGP Administration Task Force



PIP Communication improvements in PIP preparation and approval process by reaching out to more stakeholders



MoU's

API and IOGP sign MOU, Formalizing Cooperative Relationship

NEW

HOUSTON - (June 6, 2019) - Today, the American Petroleum Institute (API) and the International Association of Oil and Gas Producers (IOGP) signed a Memorandum of Understanding (MOU) to establish a stronger partnership, share world-class practices and collectively engage on the industry's contributions to society. This MOU strengthens our ongoing collaboration and marks a milestone in the relationship between the two organizations.

Dr. Arash Barzi, Director, Quality Programs, API, and Bill Bostick, Director, Americas, IOGP, signed the Memorandum of Understanding (MOU) between API and IOGP.

Dr. Arash Barzi, Director, Quality Programs, API, and Bill Bostick, Director, Americas, IOGP, signed the Memorandum of Understanding (MOU) between API and IOGP.

EXTENDED

Memorandum of Understanding formalizes cooperation between IOGP and Unified Bulk Standardization JIP

The IOGP Administration Task Force looks after the **IOGP Standards Solution** offering a safe environment for standards development, the **'Unified bulk standardisation joint industry project'** supporting the transformation of their deliverables into ISO documents, and the cooperation and coordination with API and ISO/TC 67 with respect to maintenance of the standards portfolio

"NEVER WASTE A GOOD CRISIS"

It are remarkable times with the corona virus (COVID-19) disrupting complete societies across the entire world. This kind of pandemics demonstrates the vulnerability of human mankind, but also shows the resilience and adaptative ability of societies to deal with social distancing by introducing a wide variety of new concepts to withstand this crisis. "Never waste a good crisis" is a famous quote that certainly applies to the 'corona crisis'. Let's not automatically go back to 'business as usual' once we have contained the virus, but adopt the 'good practices' and raise our standards.

Talking about standards, just right now ISO standards proof to be pivotal in our activities. For example, **ISO/TC 292** 'Security and resilience' has developed a tools box supporting organisations in their business continuity and contingency planning, while several other standardisation committees have developed standards to protect healthcare workers to ensure they can safely do their extremely important job. This perfectly illustrates that standards build trust.

In the turmoil of the corona virus, the oil prices have dropped tremendously, putting pressure on margins, profitable business cases and investments to secure energy supply on the long term. Also in this situation, standardisation can be an effective tool to drive for improving performance and boosting innovation to be more cost effective and competitive while not jeopardising safety. ISO/TC 67 will continue to deliver added value creating standards as part of the licence to grow of its stakeholders.



MORE INFORMATION

Contact the ISO/TC 67 Secretariat by e-mailing to isotc67@nen.nl or calling +31 15 2 690 326 for more information. Interested to take part? Contact your national standards body to **get involved!** The next ISO/TC 67 meeting will be organised in Beijing, after a kind offer by the Chinese delegation.

