



International
Association
of Oil & Gas
Producers

ISO/TC 67 N 1074

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OGP Standards Committee Report to ISO/TC 67 plenary meeting 2009-10-1/2, Victoria, BC

1. Standards committee meetings and running business

At the time of presentation of this report OGP Standards committee will have held two meetings since last ISO/TC 67 plenary meeting:

- 03 February 2009 in Berlin, kindly hosted by DIN.
- 30 September 2009 in Victoria, kindly supported by the Canadians.

Ziyad Ghulam, Saudi Aramco, has retired as vice chair and Ross Smith, BP has agreed to take up this position. Vladimir V. Vernikovsky, secretary of the Russian Rostechregulirovanie TK 23 (shadow to ISO/TC 67) and Rupert Heygate-Browne, North Caspian Operating Company has joined the Standards committee as new members.

Work continues for discussion and development of new ISO standards that are needed by the members. This effort may result in more NWIP for ISO/TC67 and other relevant ISO/TCs:

- Hot-tapping on pipelines, piping and equipment. *On hold.*
- Marine soil investigations (*New ISO 19901-8 standard in development*)
- Ladders, platforms and handrails for process plant (*Investigating available standards*)
- Pedestal cranes (*ISO/TC96 NWIP ballot failed*)
- Material selection (*New ISO 21457 standard in development by ISO/TC67 WG8 – at DIS ballot*)
- Pipeline overpressure protection. *On hold.*
- Protective coatings and linings for equipment (*workshop and GSO work in development*)
- Compact flanged connections. (*drafting of ISO standard started*)
- Insulation and above-ground coating in relation to corrosion under insulation (CUI) prevention (equipment and piping) (*workshop held*)
- Well integrity in drilling and well operations. (*Proposal from Petrobras - in consideration*)
- Colour coding to define oil, gas and water infrastructure (*Proposal from China – in consideration by Coatings TF*)

A survey of potential new areas for subject matter expert (SME) meetings/workshops was conducted within the OGP membership. Fourteen members responded and it was agreed to investigate subjects of most interest, with the aim of holding one – two SME standards workshops (yet to be decided) over the next few months. The disciplines of most interest were:

- Drilling and wells (incl. well control equipment)
- Safety
- Environment
- Maintenance and inspection
- Onshore structures
- Pipelines
- Piping and valves

Members of the OGP Standards committee have actively been supporting the standardisation work in Russian oil and gas industry. Vladimir V. Vernikovskiy, secretary of Rostechregulirovanie TK 23 presented the work of this main committee in the February meeting. They have a large work programme of adopting a number of ISO/TC67 standards. A number of the OGP SC members plan to attend the Russian Oil & Gas standards conference in Kazan, 9-11 September.

OGP is pleased to see that the ISO/TC67 secretariat succession has been resolved with a good solution by NEN taking over.

2. Funding for technical editing of ISO standards

OGP has for several years now been offering funds for technical editing of ISO draft standards. Enabling contracts with professional technical editors are maintained by OGP for this purpose. **Funds are still available.** ISO/TC 67 project leaders, work group convenors etc are encouraged to make further use of this funding to improve quality and speed delivery of ISO standards. Please contact: Alf Reidar Johansen, OGP at arj@ogp.org.uk or by mobile +47 95 029 079.

3. Instrument & Automation Task Force

This OGP Task Force held a meeting 3-4 March 2009, hosted by Siemens in Berlin and continues its work in particular areas:

- a) Reviewing the international guidelines for IEC 61508/61511 (sub task group convened by Jan Ståle Austbø, StatoilHydro).
- b) Working on a potential standard for System Control Diagrams along the lines of NORSOK I-005. An IEC standard is currently investigated as a potential home for this subject.
- c) Alarm systems (Antonio Carvalho, Petrobras planning sub task group meeting).

The TF are also discussing issues on wireless and security. Knut Ola Staver, StatoilHydro, has been selected as the new TF chair. Next meeting will be held in StatoilHydro offices in Oslo, Norway, 3-4 December 2009.

4. Materials Subcommittee

This OGP Subcommittee met 30 January 2009, kindly hosted by ExxonMobil in Houston in conjunction with the ISO/TC67/WG8 meeting. Main focus is materials problems for the global oil and gas industry, e.g. counterfeit materials and quality issues. The SC also agreed a focus list of material related standards to follow up closely in the future. A list of material related definitions in some key standards have been established for the purpose of looking at harmonisation of these where deemed necessary. Available on Subcommittee website (for OGP members only).

An OGP Report No. 421 on available material standards was published in June 2009, freely available at <http://www.ogp.org.uk/pubs/421.pdf>. The purpose of this report is to provide a list of the available and relevant international, regional, national and industry standards for the oil & gas industries specifically focusing on materials related subjects as seen by the OGP members involved; and to provide an overview of relevant technical committees and working groups and material standards work presently ongoing for this area.

Main support continues to be focused at the subsea material standards work and the new development of an ISO standard (21457) for Materials selection and corrosion control for oil and gas production systems.

Chairmanship has now been taken over by Rich Thompson, Chevron, Perth, Australia, as the former chair died in February 2009 as a result of a traffic accident.

Next meeting is planned for February 2010 in conjunction with ISO/TC67/WG8.

5. Coatings Task Force

The OGP Coatings TF held a meeting in London 14 May 2009 chaired by Dr. Muayyad Ajjawi, Qatar Petroleum (by teleconference) and co-chaired by Mike Surkein, ExxonMobil.

The meeting heard several presentations on specific coating issues:

- ExxonMobil's coating practices for FPSO.
- IMO Painting guidelines for ballast water tanks.
- Corrosion Under Insulation
- ExxonMobil's pipe coating practices
- Coating of pipeline risers
- Selection of coating system for different climatic conditions
- Eni's new concepts in functional painting specifications
- ConocoPhillips coating specifications.

The issue of selection of abrasive cleaning and coating materials from a HSE requirements point of view and external pipeline coating integrity for high temperatures application (above 60 degrees C) was discussed. The work of GSO/TC7/WG5 on coating standards for storage tanks above ground was reviewed. Second draft is available on the basis of specifications from Kuwait and Saudi Aramco. There is no ISO standard for this matter, so this may be brought into ISO as a NWIP on the basis of the new GSO standard when available. GSO proposal for new WG for coating in ISO will be taken up again by GSO when they have finished their coating standards.

OGP Coating TF agreed to meet again 1-2 December 2009 at the OGP office in London.

6. International Standards workshops

A workshop on International Equipment standards was arranged in Beijing, 31 Oct – 1 Nov 2008, with about 100 attendees. This was a joint effort between China Petroleum Standards Committee, China Petroleum Equipment Standards Committee and OGP Standards Committee.

OGP Standards committee arranged an international standards workshop in Perth, Australia, 19-20 February 2009 in cooperation with Australian Petroleum Production and Exploration Association Ltd (APPEA), National Offshore Petroleum Safety Authority (NOPSA) and Standards Australia. Another international standards workshop was held in Kuala Lumpur, Malaysia, 23-24 February 2009 in cooperation with PETRONAS, Department of Standards Malaysia and SIRIM Berhad. A good group of attendees participated in these workshops and a set of resolutions were drawn up. Two principles stand out from both workshops: the need to accelerate adoption of ISO/IEC standards locally and to heighten participation in the relevant ISO/IEC standards work. More information in the OGP Standards Bulletin 2009 and presentations are available on OGP website.

Standards committee also has assisted the new convenor of ISO/TC67/SC4/WG2 Drilling well control equipment in organising a workshop 24 March 2009, hosted by Total in Paris, to address OGP member needs on standards in the drilling equipment, system and operations area.

7. International Standards Bulletin

The 2009 bulletin was issued in June. This is the tenth bulletin and it is available for downloading at <http://www.ogp.org.uk/pubs/4010.pdf>. The illustration below is the (poster) centrefold of the bulletin.

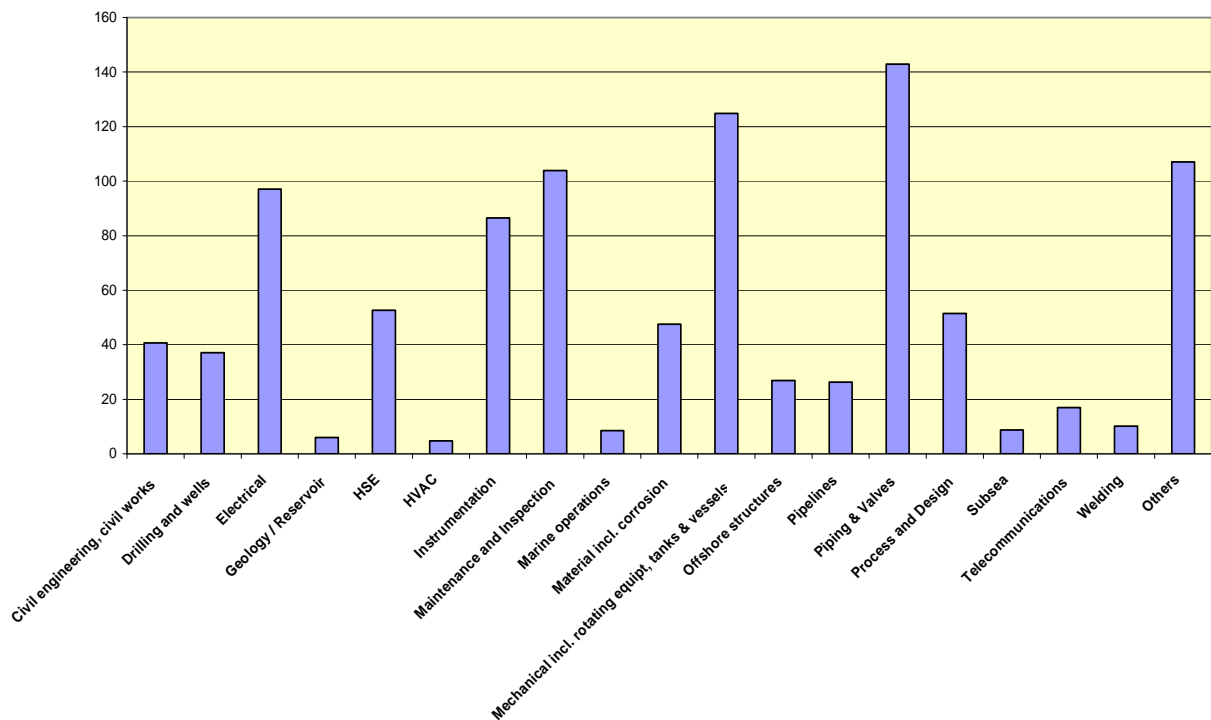
ISO Standards for use in the oil & gas industry

Standards in brown issued in 2008
Standards in green are a priority for 2009 issue
 Many of these standards are adopted by API, CEN and other recognised standards bodies

8. Benchmarking

OGP has collected benchmark information from its members on external standardization and in-house technical specifications and their use in the Operating Companies' upstream activities documents. 18 responses to the questionnaire have been received, i.e. from about 35 % of OGP oil company members, plus Gasunie. Analysis is ongoing and a draft report is in discussion with participants. Figure below show average number of company specifications (from the draft).

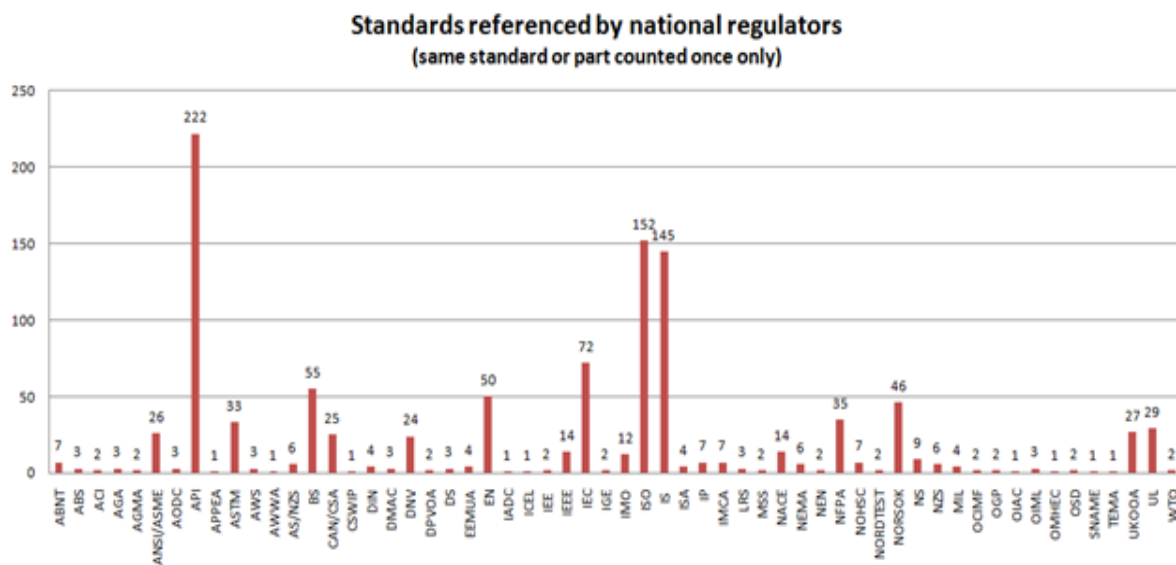
Fig 5 - Average number of documents by discipline



9. Regulators' use of standards

A report on regulators use of standards is in final stages of drafting and review. Regulatory documents from thirteen regulators of offshore installations around the globe have been analyzed to determine the extent of references.

The report shows that regulators make good use of standards. 1,348 references to standards in total have been identified, whereas 1,142 of these references are to different, individual standard titles. In these numbers Russia has not been included and China has no specific references. References to API standards are dominating, with 222 references, including 49 API Manual of Petroleum Measurement (MPMS) standards. ISO has delivered 152 of the standards referenced by the regulators covered by this report and of these 59 come from the work of ISO/TC 67. Figure below show the accumulated references (present draft).



There is a significant increase in the reference to international standards and a sharp decrease in references to national standards by the regulators compared to PETROL96 (European operators 1996 references to standards). However, with the figure of only 21% references to international standards by the regulators, it is evident there is still a lot of work to be done.

10. Global standards report

A new version, dated 31 December 2008, of the OGP global standards report on relevant ISO standards issued and the adoption progress by API and CEN, has been issued with the assistance of Alain Loppinet. Available at: <http://info.ogp.org.uk/standards/downloads/GSULW.pdf>. A midyear revision is in progress.

11. Liaisons

Liaisons are maintained with ISO/TC67 and CEN/TC12.

Report by:
Alf Reidar Johansen,
OGP Standards Manager
Email: arj@ogp.org.uk