

A stylized graphic of a globe is positioned on the left side of the slide. It is composed of several overlapping, light blue curved lines that represent the latitude and longitude of a globe, creating a sense of global connectivity.

**Key note presentation to  
International Equipment  
Standards Workshop,  
Beijing, 31 Oct - 01 Nov 2008**

**Moving towards global  
standards for the benefit of  
the oil and gas industry**

**Neil Reeve, Shell  
Chair OGP Standards Committee**

# Greetings from OGP's Executive Director



- On behalf of OGP, the International Association of Oil & Gas Producers, welcome to this Standards event in Beijing.
- As an organisation, we are honoured to be here and to share this important event with CPSC.
- My one regret is that I couldn't join you in person.
- China is one of the world's important oil industry equipment manufacturers and plays a major role globally.
- OGP is a global association that represents the upstream industry to international regulators and legislative bodies.

.....cont. next page.....



Mr. Charles Bowen

## Greetings cont...



- Just as important is the part OGP plays in facilitating continuous improvement in the areas of Health Safety and Environment, social responsibility, engineering and operations.
- This workshop is a significant step in bringing the benefits of OGP to China - and giving OGP the opportunity to learn from you.
- One of the things you will be hearing from us is the OGP Standard Committee's overriding aim to achieve:  
*Global Standards Used Locally Worldwide*
- It is a phrase you will find hard to avoid in the next day or so. But it bears repeating because global standards can have a major, beneficial impact on your business – not only in the areas of HSE, social responsibility, engineering and production but on your bottom line as well.
- With that in mind, I wish you all a very fruitful and enjoyable workshop.

Charles Bowen

## Now - what is OGP?

**OGP**

- Formed in 1974 to develop effective communications between the upstream industry and international regulators
- **Members**
  - Publicly traded, private & state oil & gas companies
  - National & regional associations
  - Major service companies
- Members produce more than half of the world's oil and about one third of its gas
- Offices in London and Brussels

# OGP Membership

**North America**

Anadarko	IADC
API	IAGC
Baker Hughes	Marathon
Chevron	MISWACO
ConocoPhillips	Nexen
Devon Energy	PetroCanada
ExxonMobil	Schlumberger
Halliburton	Talisman
Hess	

**27 members active in region**

**Europe**

AMI	Oil & Gas UK
BG Group	OLF
BP	OMV
Calm	Perenco
DONG Energy	Premier Oil
Energy Institute	Repsol-YPF
ENI	Shell
GDF Suez	StatoilHydro
IOGA	Total
IPIECA	Tullow Oil
Maersk	WEG
MOL	Wintershall
NOGPA	

**35 members active in region**

★ **Standards Workshops**

**Russia & Caspian region**

TNK-BP

**17 members active in region**

**Africa**

Greater Nile Petroleum

**29 members active in region**

**Asia & Australasia**

BHP Billiton	Papuan Oil Search
CNOOC	Petronas Carigali
Inpex	PTT EP
JOGMEC	Woodside
ONGC	

**28 members active in region**

**South America**

ARPEL	Hocol
CSC	Petrobras

**21 members active in region**

**Middle East**

ADNOC	Qatar Petroleum
Dolphin Energy	RasGas
Kuwait Oil	Saudi Aramco
Persian LNG	SEPOC
Petropars	Yemen LNG

**32 members active in region**

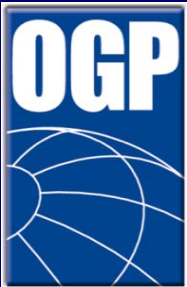
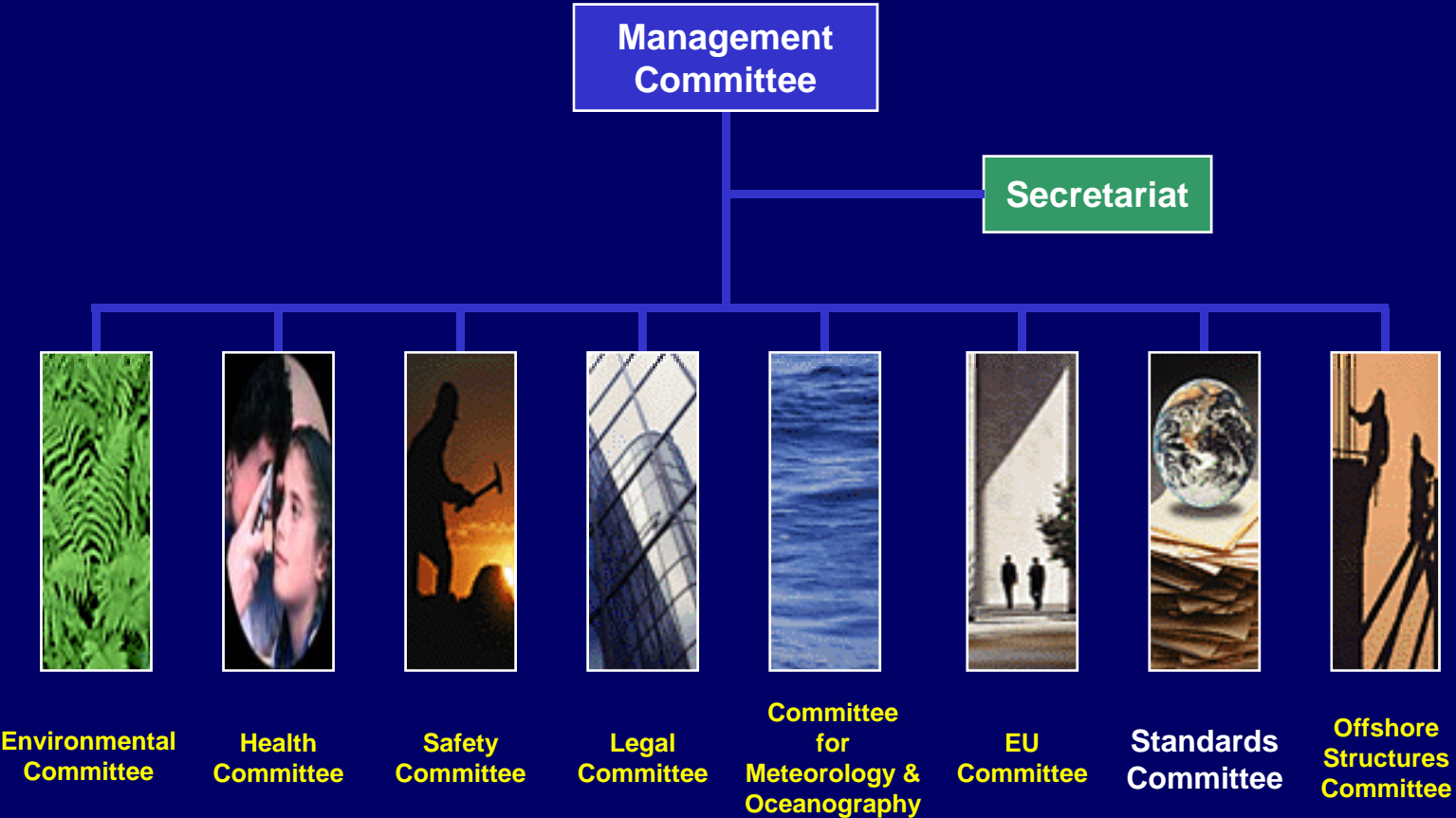
★ Planned for 19-20 February 2009



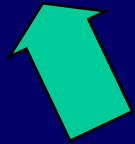
**To work on behalf of all the world's upstream companies to promote responsible and profitable operations**

- **To represent the interests of the upstream industry to international regulatory and legislative bodies**
- **To achieve continuous improvement in safety, health and environmental performance and in the engineering and operation of upstream ventures**
- **To promote awareness of Corporate Social Responsibility within the industry and among stakeholders**

# OGP Organisation



Two new committees added for Surveying & Positioning and Security



# Global experience

**OGP**

- **OGP has access to a wealth of technical knowledge and experience with its members operating around the world in many different terrains.**
- **OGP collate and distil this valuable knowledge into a range of reports and guidelines. Some for general use while others are restricted to OGP members.**

**Documents at [www.ogp.org.uk](http://www.ogp.org.uk)**

# OGP Standard Committee membership

OGP  
SC  
meets  
twice  
a year.  
Meet  
next  
03 Feb  
2009



Members <sup>1)</sup>	Company	Country	Other functions
Wilson Barbosa de Oliveira	Petrobras	Brazil	
Anatoly Baryshnikov	Eni	Italy	CEN/TC12 AH8 chair
Gail Baxter	Marathon	USA	
Felicia Decusara	Petrom	Romania	
Joachim G. Koenig	OMV	Austria	
Tom Kelleher	Petro-Canada	Canada	
Alain Loppinet	CEN	France	CEN/TC12 Chair
Martin Maeso	Energy Institute	UK	
David Miller	API	USA	API Std. Progr. dir.
Saif S Al Naimi <sup>4)</sup>	Qatar Petroleum	Qatar	
Abdullah Humaid	Saudi Aramco	Saudi Arabia	
Manuel Paga Costellanos	RepsolYPF	Spain	
Terry Qin <sup>2)</sup>	CPSC	China	
Neil Reeve (chair) <sup>5)</sup>	Shell	Netherlands	IFAN President
Daniel Rioche	Total	France	
Trevor Vyze	ISO	Switzerland	Techn. group mgr.
Ross Smith	BP	USA	
Mike Swidzinski	ConocoPhillips	UK	
Richard Torgersen	ExxonMobil	USA	
Helge I Vestre <sup>3)</sup>	StatoilHydro	Norway	

Notes: <sup>1)</sup> Plus corresponding members from: BG, Chevron, Mærsk and Premier. Alternates: <sup>2)</sup> Du Delin & Xiaohong Chen, CPSC <sup>3)</sup> Per Eirik Fosen <sup>4)</sup> Muayyad Ajjawi <sup>5)</sup> Acting chair of ISO/TC67

## ISO initiative & OGP support

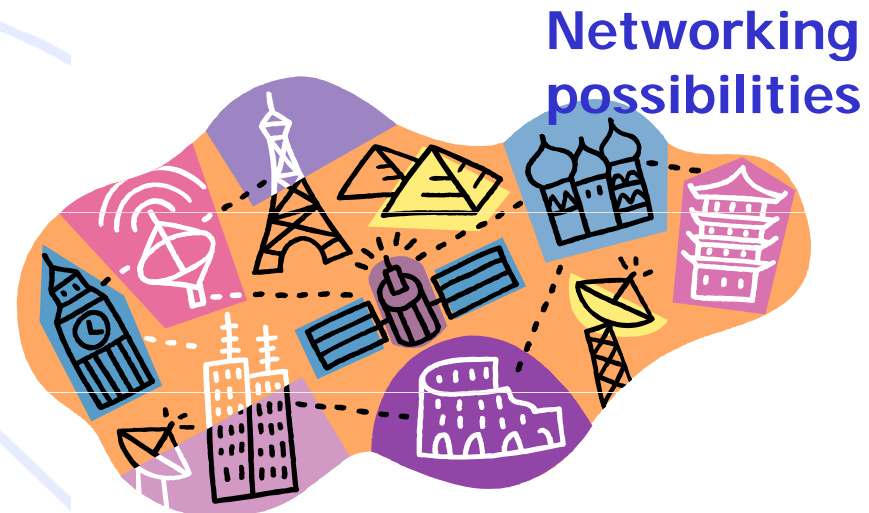


- OGP supported the ISO initiative in 1987 to reactivate ISO / TC67 to develop ISO standards for the upstream – the petroleum & natural gas -industry.
- This created a global arena for standards development, where all ISO members and nations concerned have a role to play.
- ANSI, USA were offered and accepted responsibility for the ISO / TC67 secretariat.
- First meeting of ISO / TC67 in Paris 1989.
- A new era in the global upstream industry standardisation had started.

# Why make global ISO and IEC standards?

**OGP**

- Create common understanding.
- Facilitate global trade / availability of equipment.
- Reduce design work, retooling and inventory.
- Accelerate product development and delivery.
- Global competition will reduce cost.
- ISO & IEC offer a global arena for standards work and global experts.
- Fair directives for the work.



# Why make global ISO and IEC standards?

OGP

- Open meetings, voluntary participation.
- Transfer international experience.
- Maintain best practices and codification of knowledge for improved solutions that ensures HSE compliance.
- Voluntary use of ISO & IEC standards.
- Reduce need for company specifications.
- Can support national regulations and reduce text of national regulatory documents.
- ..... So that they can be developed and used by API, CEN, China, Russia, etc. ....

TC67 made for & made by the industry

Therefore OGP takes an interest in standards

# OGP position on standards



The OGP has been a catalyst for change in industry 's approach to standards and strongly supports the internationalisation of key standards used by the Petroleum and Natural Gas Industries. OGP 's position on standards is:

- development and use of ISO and IEC standards should be promoted
- development of standards should be based on a consensus of need
- “users” should be represented on standards work groups
- duplication of effort should be avoided
- standards should be simple and fit for purpose
- International standards should be used without modification wherever possible
- company specifications should be minimised and written, where possible, as functional requirements.

The adoption of this approach is expected to minimise barriers to trade, enable more efficient worldwide operations, and improve the technical integrity of equipment, materials, and offshore structures used by the Petroleum and Natural Gas Industries. **OGP Report 381, April 2007**



# OGP

International Association of Oil & Gas Producers

## Standards Bulletin

### EXECUTIVE SUMMARY

A set of international standards for a wide selection of vital oil and gas industry materials, equipment and offshore structures is emerging from the

International  
ISO. The  
response  
67 (ISO  
using a  
more th  
experts  
internat  
130 IS  
issued,  
publications in 2006. A further 16 are  
planned for publication this year. The



**Catalogue of international standards used in the petroleum and natural gas industries**

Report No. 362  
January 2005

### GULF STATE COMPANIES FOCUS ON ISO STANDARDS

**Qatar Petroleum** organised, under the patronage of H.E. Abdullah Bin Hamad Al Thani, Minister of Industry – and an international workshop in April 2006 in Doha. The workshop was to discuss the use of international standards for standardisation and increase the awareness of oil & gas companies and organisations in the region. It is the first time a standards workshop had been held in this area. The number of workshop delegates

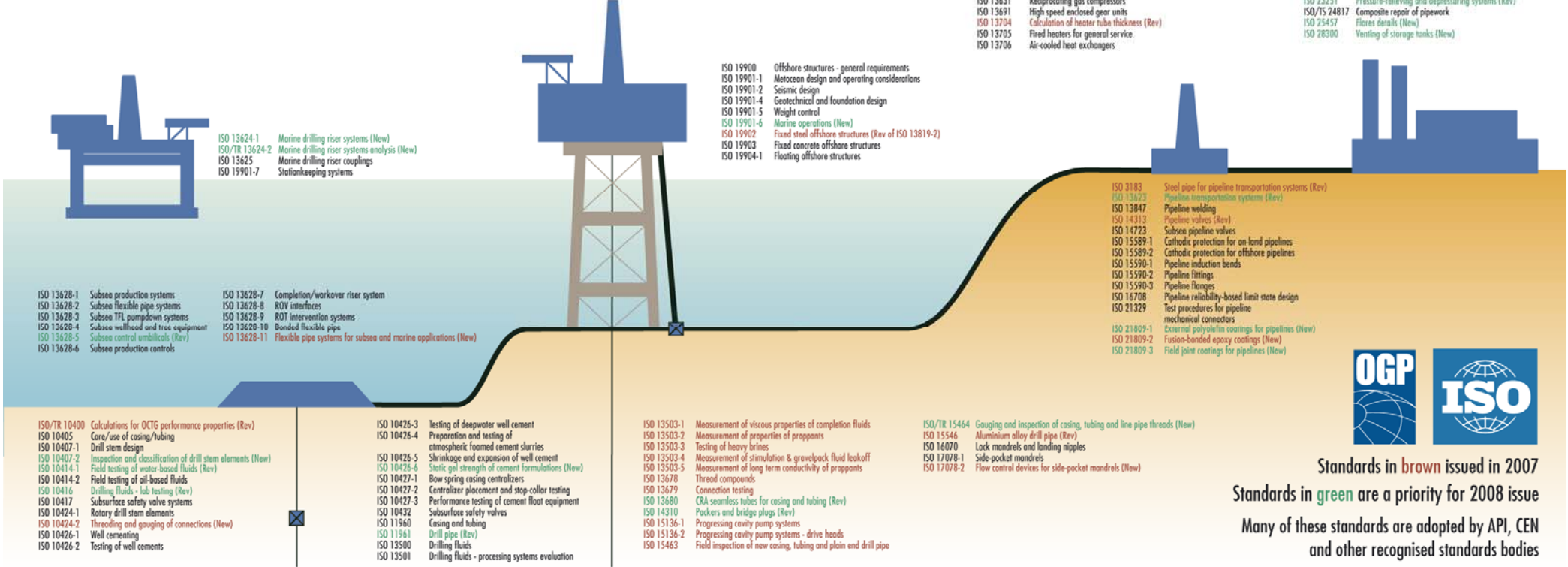


<http://info.ogp.org.uk/standards/>

**Saudi Aramco** (SA) organised its first International Standards forum and workshop on 28-29 November 2006, at the Le Gulf Meridien Hotel, Al-Khobar, Saudi Arabia. This knowledge sharing event was designed to provide the participants with an opportunity to broaden their understanding of the

# ISO Standards for use in the oil & gas industry

ISO 10418 Basic surface safety systems	ISO 15156-1 Selection of cracking resistant materials for use in H <sub>2</sub> S environments	ISO 3977-5 Gas turbines – procurement	ISO 13707 Reciprocating compressors
ISO 10423 Wellhead & christmas tree equipment	ISO 15156-2 Cracking-resistant steels and cast irons for use in H <sub>2</sub> S environments	ISO 10428 Sucker rods	ISO 13709 Centrifugal pumps (Rev)
ISO 13533 Drill-through equipment (BDPs)	ISO 15156-3 Cracking-resistant alloys for use in H <sub>2</sub> S environments	ISO 10431 Pumping units (Rev)	ISO 13710 Reciprocating positive displacement pumps
ISO 13534 Hoisting equipment - core/maint	ISO 15138 HVAAC (Rev)	ISO 10434 Bolted bonnet steel gate valves	ISO 14691 Flexible couplings – general
ISO 13535 Hoisting equipment - specification	ISO 15544 Emergency response	ISO 10437 Special-purpose steam turbines	ISO 15547-1 Plate & frame type heat exchangers
ISO 13626 Drilling and well-servicing structures	ISO 15663 Life cycle costing, Parts 1-3	ISO 10438 Lubrication, shaft-sealing and control-oil systems, Parts 1-4 (Rev)	ISO 15547-2 Brazed aluminium platefin type heat exchangers
ISO 13702 Control & mitigation of fire & explosion	ISO 17776 Assessment of hazardous situations	ISO 10439 Centrifugal compressors	ISO 15649 Piping
ISO 13703 Offshore piping systems	ISO 20815 Production assurance and reliability management (New)	ISO 10440-1 Rotary type positive-displacement process compressors (oil-free) (Rev)	ISO 15761 Steel valves DN 100 and smaller
ISO 14224 Reliability/maintenance data	ISO/TS 27469 Method of test for offshore fire dampers (New)	ISO 10440-2 Rotary PD packaged air compressors	ISO 16812 Shell & tube heat exchangers (Rev)
ISO 14692 GRP piping, Parts 1-4	ISO/TS 29001 Sector-specific quality management systems (Rev)	ISO 10441 Flexible couplings – special (Rev)	ISO 17292 Metal ball valves
ISO 14693 Drilling equipment		ISO 10442 Integrally geared air compressors	ISO 21049 Centrifugal and rotary pumps shaft sealing



Standards in **brown** issued in 2007  
Standards in **green** are a priority for 2008 issue  
Many of these standards are adopted by API, CEN and other recognised standards bodies

- ISO TC67 has published **130+** standards.
- API has adopted **65+** of these as joint API / ISO standards.
- CEN has adopted **110+** of these as joint European EN ISO standards.
- China, India, Kazakhstan have also adopted many of these ISO standards.

Key note .....



..... also for China!