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**Secretariat of ISO/TC 67/SC7  
Offshore structures for Petroleum and  
Natural gas Industries**

To:

The P and O Member Bodies  
for forwarding to their national delegates

and to

ISO/TC 67 Secretariat  
ISO Central Secretariat

**REPORT FROM ISO/TC 67/SC7 "OFFSHORE STRUCTURES",  
SUBMITTED TO ISO/TC 67  
FOR THE PLENARY MEETING IN: BEIJING – 29<sup>th</sup> & 30<sup>th</sup> OCTOBER 2008**

## REPORT FROM ISO/TC 67/SC7 - OFFSHORE STRUCTURES

1. **SC Title :** Offshore Structures for the Petroleum and Natural Gas Industries
2. **SC Scope :** Standardization in the field of offshore structures used in the production and storage of petroleum and natural gas, including procedures for assessment of the site specific application of mobile offshore units.

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6. **SC Membership: P- Member Bodies: (19)**

ABNT (Brazil)	AFNOR (France)	ANSI (USA)
ASRO (Romania)	BSI (UK)	BSN (Indonesia)
DS (Denmark)	GOST R (Russian Federation)	IRAM (Argentina)
JISC (Japan)	KATS (Korea, Republic of)	NEN (Netherlands)
QS (Qatar)	SAC (China)	SCC (Canada)
SN (Norway)	SFS (Finland)	UNI (Italy)
SPRING (Singapore)		

**O- Member Bodies: (10)**

AENOR (Spain)	DIN (Germany)	DSM (Malaysia)
EOS (Egypt)	KAZMEMST (Kazakhstan)	ISS (Serbia)
PKN (Poland)	SA (Australia)	SABS (South Africa)
SASO (Saudi Arabia)		

**Liaison Members: (4)**

OGP, IACS, IADC (Drilling) , IMO

7. **SC Organizational Structure** see Annex A.  
SC 7 BSI Offshore Structures  
WG 1 SCC General Requirements

WG 2	NEN	Regional Annexes
WG 3	ANSI	Fixed Steel Structures
WG 4	SN	Fixed Concrete Structures
WG 5	ANSI	Floating Systems
WG 6	SN	Weight Engineering
WG 7	BSI	Site Specific Assessment of MOUs
WG 8	SCC	Arctic Structures
WG 9	NEN	Marine Operations

8. **SC Programme:** see Annex B.

9. **Achievements:**

The progress of the ISO/TC 67/SC 7 work programme is ongoing and the achievements remain positive.

Since the last report in August 2007, ISO/TC 67/SC 7 has achieved the following results:

One ISO standard has been published:

- ISO 19902 " Fixed steel offshore structures"

One preFDIS circulated to the committee:

- ISO/FDIS 19901-6 " Marine operations"

One DIS circulated for comment:

- ISO/DIS 19901-3 "Topsides structure"

One CD circulated for comment:

- ISO/CD 19906 "Arctic offshore structures "

Two NWIP processed

- Revision of ISO 19901-5 "Weight engineering"
- New item for Marine soil investigation (ISO 19901-8)

10. **Proposed progress in coming year:**

Taking account of the ISO/TC 67/SC 7 Work Programme in Annex B, it is anticipated that the following milestones will be achieved:

- 1 full ISO published (19901-6)
- 3 FDIS circulated (19901-6, 19901-7 revision and 19901-3)
- 2 DIS circulated (19905-1 and 19906)
- 2 CD circulated (19901-8 and 19901-7 revision)

11. **Meetings since last report (August 2007)**

Meetings of the active Working Groups, their Editing Panels and Technical Panels have been ongoing throughout the period considered for this report.

## **12. Planned future meetings of SC 7**

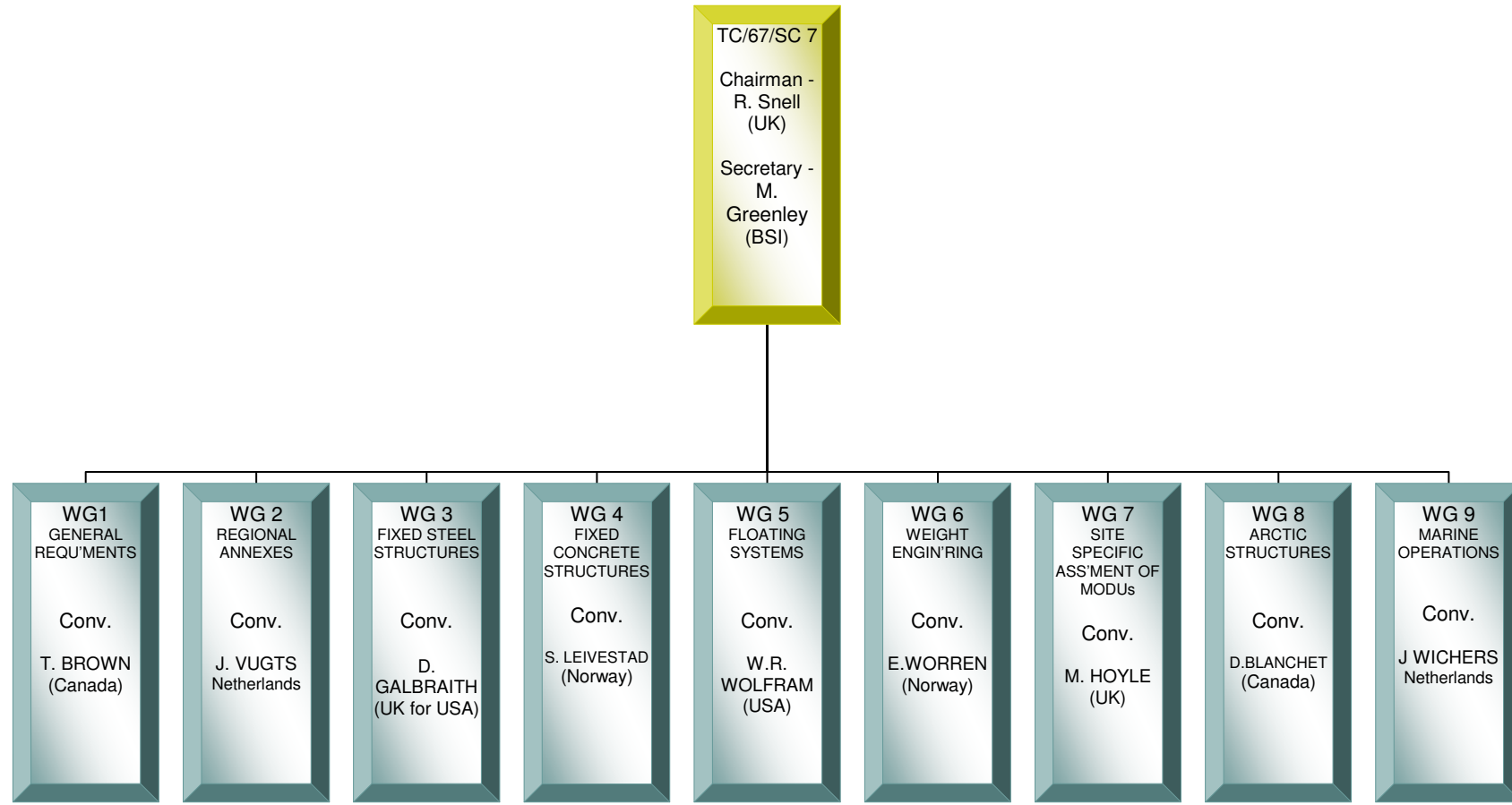
The twenty-seventh meeting of SC 7 is scheduled for 24 & 25 September 2008 in China.

The twenty-eighth meeting is tentatively planned for Italy in late May 2009

## **13. TC/SC Liaisons:**

SC 7 maintains its liaison with: ISO/TC 8, ISO/TC38/WG 21, ISO/TC 44, ISO/TC 92/SC 4, ISO/TC 98, ISO/TC 167, CEN/TC 12 and CEN/TC250.

MALCOLM GREENLEY  
For the BSI Secretariat of ISO/TC 67/SC 7



**THE TECHNICAL PANELS OF ISO/TC 67/SC7/WG3, WG4, WG5, WG 7 & WG 8**

<b>WG3</b>	<b>WG4</b>	<b>WG 5</b>	<b>WG 7</b> TP 0 – Preamble	<b>WG 8</b>
TP 1 – Metocean	TP 1 – Metocean	TP 1 – Global Responses	TP 1-2 – Metocean and Actions	TP 1 – Physical conditions
TP 2 – Actions	TP 2 – Actions	TP 2 – Structural Analysis		TP 2a) – Reliability from actions TP 2b) – Ice actions TP 2c) – Metocean action TP 2d) - Seismic
TP 3 – Sub-Structure.		TP 3 – Inspection & Condition Monitoring	TP 3 – Structures & Responses	TP 3 - Foundations
TP 4 – Foundations	TP 4 – Geotechnical Design	TP 4- Mechanical Systems & Marine Operations	TP 4 – Foundations	TP 4 – Man made islands
TP 5 – Seismic Design	TP 5 – Seismic Design	TP 5 – Stationkeeping & Moorings	**TP 5 – Seismic	TP 5 – Steel structures
TP 6 – Materials		TP 6 – Risers		TP 6 – Concrete structures
TP 7 – Corrosion				TP 7 – Floating structures
TP 8 – Inspection & Condition Monitor				TP 8a) – Topsides TP 8b) – EER
TP 9 – Topside Structural Design	TP 9 – Topside Design			TP 9 – Ice Engineering
TP 10 – Other			TP 10 – Calibration & Acceptance Criteria	
	TP 11 – Structural Analysis		TP 11 – Long Term Considerations (Fatigue/Inspection)	
WG3 Editing Panel		WG5 Editing Panel		
	TP 12 – Concrete Works		**TP 12 – Mat Units	
	TP 13 – Mechanical Systems		**TP 13 – Drilling Risers/Conductors	
	TP 14 – Marine Operations		**TP 14 – Lift boats	
	P 15 – Inspection/Condition Monitoring			
	* PX – Design Principles			

\* This is an Ad-hoc group under WG4

\*\* Indicates Panels that may be established later

# ISO TC67/SC7 Programme of Work

Document: ISO TC67/SC7 N 315 Rev.9

2008-01-30

Updated at SC7 Stavanger – see also <http://sc7.tc67.net/>

	2006	2007	2008	2009	2010	2011	2012	Systematic Review
ISO 19900 General Requirements WG1								In progress
ISO 19901-1 Metocean WG3								Nov '08
ISO 19901-2 Seismic WG3								In progress
ISO 19901-3 Topsides WG3								
ISO 19901-4 Foundations WG3								Aug '08
NWIP Marine Site Investigation WG3								
ISO 19901-5 Weight Engineering WG6								Jul '08
ISO 19901-6 Marine operations WG9								
ISO 19901-7 Stationkeeping WG5								Dec '08
ISO 19902 Fixed Steel WG3								Dec '10
ISO 19903 Fixed Concrete WG4								Dec '09
ISO 19904-1 Floating - MSS WG5								Nov '09
ISO 19904-2 Floating - TLP WG5								
ISO 19905-1 MOUs - Jackups WG7								
ISO TR 19905-2 MOUs - Jackups WG7								
ISO 19905-3 MOUs - Floating WG7								
ISO 19906 Arctic offshore WG8								

Paris

Delft

Calgary

Stavanger

Beijing

Italy

TBA

● = draft is within SC7

■ SC7 review required

★ = doc. is publicly available

■ = systematic review

## Annex C

### Status of Standards for Offshore Structures

19900	Petroleum and natural gas industries – General requirements for offshore structures
19901	Petroleum and natural gas industries – Specific requirements for offshore structures – in seven parts as follows:  ⇒ Part 1: Metocean design and operating considerations ⇒ Part 2: Seismic design procedures and criteria ⇒ Part 3: Topsides structure ⇒ Part 4: Geotechnical and foundations design considerations ⇒ Part 5: Weight control during engineering and construction ⇒ Part 6: Marine Operations ⇒ Part 7: Stationkeeping systems for floating offshore structures and mobile offshore units.
19902	Petroleum and natural gas industries – Fixed steel offshore structures
19903	Petroleum and natural gas industries – Fixed concrete offshore structures
19904	Petroleum and natural gas industries – Floating offshore structures – ⇒ Part 1: Monohulls, semi-submersibles and spars ⇒ Part 2: Tension leg platforms
19905	Petroleum and natural gas industries – Site-specific assessment of mobile offshore units  ⇒ Part 1: Jack-ups (Normative text only) ⇒ Part 2: Jack-ups commentary (Technical Report)
19906	Petroleum and natural gas industries – Arctic offshore structures

Colour Key - current status: **Published** – **FDIS** – **DIS** - **CD**