



## ISO/TC 67/SC 3 Drilling and completion fluids, and well cements

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**ISO/TC 67/SC 3**  
**“DRILLING AND COMPLETION FLUIDS, AND WELL CEMENTS”**  
**Report per August 2009**

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### 3 Membership

P-member bodies (13): Brazil, China, France, Germany, Indonesia, Italy, Netherlands, Norway, Republic of Korea, Russian Federation, United Kingdom, USA, Venezuela

O-member bodies (6): Argentina, Poland, Romania, Serbia and Montenegro, South Africa, Spain

### 4 Organization structure

#### 4.1 ISO/TC 67/SC 3/WG 1 “Drilling fluids”

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## 4.2 ISO/TC 67/SC 3/WG 2 "Cementing"

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# 5 Work programme

## 5.1 Working Group 1 Drilling fluids:

P&NGI = Petroleum and Natural Gas Industries.  
PL = Project Leader

<b>10414-2: 2002</b> Revision	P&NGI. Field testing of drilling fluids. Part 2: Oil-based fluids	To be re-instated as a DIS.
<b>13500:2008/</b> Draft Amendment 1	P&NGI. Drilling fluid materials – Specification and tests: New clause 20 – Barite 4.1	DAM 1 voting terminates 2009-09-05.

## 5.2 Working Group 2 Cementing:

<b>10426-1</b> Revision	P&NGI -- Cements and materials for well cementing -- Part 1: Specification	"Ready for FDIS" at ISO CS.
<b>10426-2</b> Revision	P&NGI -- Cements and materials for well cementing -- Part 2: Testing of well cements	Waiting for DIS.  Proposal to withdraw 10426-3 and incorporate the content in 10426-2.

## 5.3 Working Group 3 Completion fluids:

<b>13503-1:2003</b> Revision	P&NGI. Completion fluids and materials. Part 1: Measurements of viscous properties of completion fluids	NWIP for revision of ISO 13503-1:2003: voting terminates 2009-09-03.
<b>13503-2:2006</b> Draft Amendment 1	P&NGI. Completion fluids and materials. Part 2: Measurement of properties of proppants used in hydraulic fracturing and gravel-packing operations. Amendment 1: Annex B: Proppant specifications	FDAM deadline 2009-10-06.

<b>13503-5:2006</b> Systematic review	P&NGI – Completion fluids and materials – Part 5: Procedures for measuring the long-term conductivity of proppants	Systematic review: voting terminates 2009-09-15.
NWIP	P&NGI. Completion fluids and materials. Part a: Procedures for measuring completion fluid leakoff under dynamic conditions (PL = M. Asadi)	First draft: July 2009.
NWIP	P&NGI. Completion fluids and materials. Part b: Procedures for measuring matrix permeability damage of completion fluids (PL = Harold Brannon and M. Asadi)	First draft: July 2010.
NWIP	P&NGI. Completion fluids and materials. Part c: Procedures for measuring the emulsion tendencies of completion fluids (PL = Phillip B. Kaufman)	
NWIP	P&NGI. Completion fluids and materials. Part d: Procedures for measuring friction loss of fracturing fluids (PL = M. Asadi and Subhash Shah)	First draft: July 2010.

## 6 Meetings

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| 1. Oslo, Norway, 1991-01-14              | 16. Wiesbaden, Germany 2004-11-19      |
| 2. Oslo, Norway, 1994-09-20              | 17. Calgary, Canada 2005-06-29         |
| 3. Wiesbaden, Germany, 1995-03-24        | 18. Stavanger, Norway, 2005-11-16      |
| 4. Bahrain, 1996-03-26                   | 19. Atlanta, USA 2006-06               |
| 5. Paris, France, 1997-04-04             | 20. St. Petersburg, Russia, 2006-11-15 |
| 6. London, UK, 1997-10-30                | 21. San Francisco, USA 2007-06         |
| 7. Stavanger, Norway, 1998-09-01         | 22. Brussels, Belgium 2007-12-05       |
| 8. Rijswijk, The Netherlands, 1999-11-17 | 23. Calgary, Canada 2008-06-26         |
| 9. Berlin, Germany 2000-11-15            | 24. Edinburgh, UK, 2008-11-12          |
| 10. Milan, Italy 2001-11-14              | 25. Westminster, CO, USA 2009-06-25    |
| 11. Denver, USA 2002-06-25               | 26. Valencia, Spain, 2009-11-11        |
| 12. Sunbury, UK 2002-11-13               | 27. Washington, DC, USA, 2010-06       |
| 13. San Antonio, USA 2003-06-18          | 28. San Francisco, CA, USA, 2011-06    |
| 14. Paris, France 2003-11-18             |  |
| 15. Dallas, USA 2004-06-16               |  |

## 7 Standards published

ISO No.	Title	EN ISO	API/ISO
<b>ISO 10414-1: 2008</b>	P&NGI -- Field testing of drilling fluids -- Part 1: Water-based fluids	EN ISO 10414-1:2008	API RP 13B-1/ISO 10414-1
<b>ISO 10414-2:2002</b>	P&NGI -- Field testing of drilling fluids -- Part 2: Oil-based fluids	(WI 180 in CEN/TC 12)	
<b>ISO 10416:2008</b>	P&NGI -- Drilling fluids -- Laboratory testing	WI 255:UAP in progress (until 2009-10-14)	API RP 13I/ISO 10416
<b>ISO 10426-1:2005</b>	P&NGI -- Cements and materials for well cementing -- Part 1: Specification	EN ISO 10426-1:2006	API Spec 10A/ISO 10426-1

ISO No.	Title	EN ISO	API/ISO
<b>ISO 10426-2:2003</b> (Standard confirmed)	P&NGI -- Cements and materials for well cementing -- Part 2: Testing of well cements	EN ISO 10426-2:2003	API RP 10B-2/ISO 10426-2
<b>ISO 10426-2:2003/Amd 1:2005</b>	P&NGI -- Cements and materials for well cementing -- Part 2: Testing of well cements - Amendment 1: Water-wetting capability testing	EN ISO 10426-2/A 1:2005	
<b>ISO 10426-2:2003/Corr 1:2006</b>	Corrigendum 1	EN ISO 10426-2/Corr 1:2006	
<b>ISO 10426-3:2003</b> (Standard confirmed)	P&NGI -- Cements and materials for well cementing -- Part 3: Testing of deepwater well cement formulations	EN ISO 10426-3:2004	API RP 10B-3/ISO 10426-3
<b>ISO 10426-4:2004</b> (Standard confirmed)	P&NGI -- Cements and materials for well cementing -- Part 4: Preparation and testing of foamed cement slurries at atmospheric pressure	EN ISO 10426-4:2004	API RP 10B-4/ISO 10426-4
<b>ISO 10426-5:2004</b> (Standard confirmed)	P&NGI -- Cements and materials for well cementing -- Part 5: Determination of shrinkage and expansion of well cement formulations at atmospheric pressure	EN ISO 10426-5:2005	API RP 10B-5/ISO 10426-5
<b>ISO 10426-6:2008</b>	P&NGI -- Cements and materials for well cementing -- Part 6: Methods for determining the static gel strength of cement formulations	EN ISO 10426-6 2008	
<b>ISO 10427-1:2001</b> (Standard confirmed)	P&NGI -- Equipment for well cementing -- Part 1: Casing bow-spring centralizers	EN ISO 10427-1:2001 (confirmed)	API Spec 10D/ISO 10427-1
<b>ISO 10427-2:2004</b> (Standard confirmed)	P&NGI -- Equipment for well cementing -- Part 2: Centralizer placement and stop-collar testing	EN ISO 10427-2:2004	API RP 10D-2/ISO 10427-2
<b>ISO 10427-3:2003</b> (Standard confirmed)	P&NGI -- Equipment for well cementing -- Part 3: Performance testing of cementing float equipment	EN ISO 10427-3:2004	API RP 10F/ISO 10427-3
<b>ISO 13500:2008</b>	P&NGI -- Drilling fluid materials - Specifications and tests	EN ISO 13500:2006	API Spec 13A/ISO 13500
<b>ISO 13501:2005</b> (Standard confirmed)	P&NGI -- Drilling fluids. Processing systems evaluation	EN ISO 13501:2006	
<b>ISO 13503-1:2003</b>	P&NGI -- Completion fluids and materials -- Part 1: Measurement of viscous properties of completion fluids	EN ISO 13503-1:2005 (Corr 1 included)	API RP 13M/ISO 13503-1
<b>ISO 13503-1:2003/Cor 1:2005</b> (Standard confirmed)	Corrigendum 1		
<b>ISO 13503-2:2006</b>	P&NGI -- Completion fluids and materials -- Part 2: Measurement of properties of proppants used in hydraulic fracturing and gravel-packing	EN ISO 13503-2:2006 (amendment in progress)	

ISO No.	Title	EN ISO	API/ISO
	operations		
<b>ISO 13503-3:2005</b>	P&NGI -- Completion fluids and materials -- Part 3: Testing of heavy brines	EN ISO 13503-3:2005 (Corr 1 included in 2006)	API RP 13J/ISO 13503-3
<b>ISO 13503-3:2005 /Cor 1:2006</b>	Corrigendum 1 (Correction of French title on the cover only)		
(Standard confirmed)			
<b>ISO 13503-4:2006</b>	P&NGI – Completion fluids and materials -- Part 4: Procedure for measuring stimulation and gravel-pack fluid leakoff under static conditions	EN ISO 13503-4:2006	API RP 13M-4/ISO 13503-4
<b>ISO 13503-5:2006</b>	P&NGI – Completion fluids and materials – Part 5: Procedures for measuring the long-term conductivity of proppants	EN ISO 13503-5:2006	

## 8 Standards withdrawn

ISO 10409 P&NGI. Application of cement lining to steel tubular goods, handling installation and joining (1993-12-15)

ISO 18165 P&NGI. Performance testing of cementing float equipment (2001-06-01). Replaced by ISO 10427-3:2003.

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