

# OGP

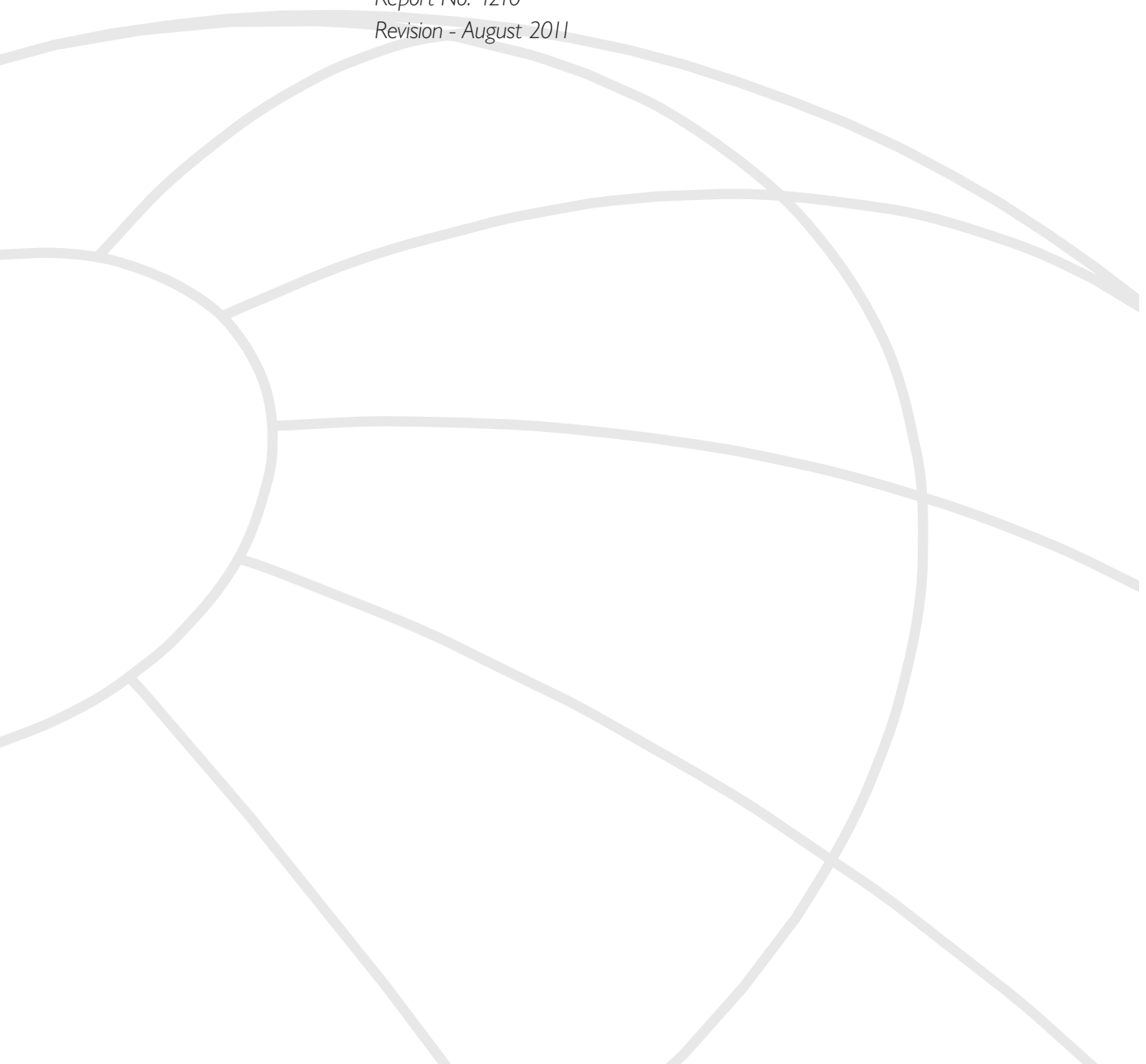
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## **Global standards used locally worldwide**

*List of ISO TC67 standards and their status with API, CEN and various other standards developing organisations*

*Report No. 4210*

*Revision - August 2011*





# Publications

## Global experience

The International Association of Oil & Gas Producers has access to a wealth of technical knowledge and experience with its members operating around the world in many different terrains. We collate and distil this valuable knowledge for the industry to use as guidelines for good practice by individual members.

## Consistent high quality database and guidelines

Our overall aim is to ensure a consistent approach to training, management and best practice throughout the world.

The oil and gas exploration and production industry recognises the need to develop consistent databases and records in certain fields. The OGP's members are encouraged to use the guidelines as a starting point for their operations or to supplement their own policies and regulations which may apply locally.

## Internationally recognised source of industry information

Many of our guidelines have been recognised and used by international authorities and safety and environmental bodies. Requests come from governments and non-government organisations around the world as well as from non-member companies.

### Disclaimer

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## **Acknowledgements**

This report was compiled by the OGP Standards Committee



# Presentation of the list

The vision of the petroleum, petrochemical and natural gas industries standards effort in ISO Technical Committee 67 is *global standards used locally worldwide*. This vision is also reflected by OGP Report № 381: *Position paper on the development and use of international standards*. The purpose of the following list is to show where we are in this vision, i.e. which countries have adopted the ISO/TC67 standards at the end of 2010. The report will be revised from time to time to show the further steps of the standards development and adoption process.

## ISO title and ISO column

The basis of this OGP report is the complete list of ISO TC 67 published standards including joint standards developed together with ISO/TC 60 SC2, ISO/TC 115 SC3, ISO/TC 118 SC1, ISO/TC 153 SC1 & ISO/TC 192.

## ABNT – Brazil column

This column shows which standards are adopted and published by ABNT as NBR, national Brazilian standards and which are taken into Brazilian use without adoption. In addition to the adopted standards, Brazil indicates some for which adoption is under preparation (in green).

## API – USA column

In this column are indicated the API standards which have already been re-adopted from the ISO standards. Some state "MOD"; this indicates that there have been some technical changes from the ISO document, whilst those marked "IDT" are identical adoptions.

Also note that all national adoptions are, by definition, American National Standards (ANSI).

Some of the indicated documents in the API column are issued by another SDO (e.g. NACE).

## CSA - Canada column

While CSA has not adopted the other ISO standards in the list into Canada's national standards system, that doesn't necessarily mean that they are not in use.

## CEN – Europe column

It is important to note that the EN standards are also published as national standards in all the 30 European countries members of CEN within 6 months of the publication as EN.

The standards mentioned are technically identical to the corresponding ISO ones (these standards are numbered EN ISO XXXXX); they were accepted in Europe either through the parallel vote procedure or by Unique Acceptance Procedure within the Vienna Agreement between CEN and ISO (ISO leader). All the documents are part of the CEN/TC12 work programme except some which depend upon CEN/TC 69 and some upon ECISS/TC 110. Some of them (developed by ISO/TC 67/SC2) have a different number in ISO and in CEN because, if the technical content is identical, their scope in Europe excludes the gas infrastructure industries; they nevertheless have in their title the reference to the ISO initial standards with the indication: (modified).

Note that in the EN document the main body of the standard is identical to the ISO one, with a cover page added on the ISO standard.

## GB – China column:

The Chinese number of the ISO adopted standard is different from the ISO one.

## GOST R – Russia

Russia has added to the list the plans where adoption of other ISO standards are in progress (in green).

### **ST RK – Kazakhstan column**

Kazakhstan has adopted the ISO standards in three different ways: Identical (IDT), Modified (MOD) and a small number of Not equivalent (NEQ).

### **GSO – Gulf column**

This column concerns an additional regional group of countries that are adopting (identical or modified) ISO/TC67 standards. GSO is the Gulf Standardization Organization for the Cooperation Council for the Arab States of the Gulf. GSO currently includes 7 countries: Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, United Arab Emirates and Yemen.

Once a standard is adopted by GSO, it is then automatically adopted by the member countries of the Gulf Standards Organization, as is the case in CEN.

#### *Note:*

The goal for the revision of this report has been to provide information to be correct by the end of 2010. For up to date information, please consult with the public websites of each of the standards development organisations mentioned herein.

This report focuses on ISO/TC67 standards only. There are many other API, EN, ISO, GOST and GSO etc. standards available for use by the oil & gas industries. References are made to public websites and:

- OGP Report No. 362 *Catalogue of international standards used in the petroleum and natural gas industries*
- OGP Report No. 426 *Regulators' use of standards*
- OGP Report No. 450 *Benchmarking on the use of internal technical specifications and external standards by some oil & gas companies*

ISO title	ISO	ABNT – Brazil	API – USA	CEN – Europe	CSA - Canada	GB/T – China	GOST R – Russia	GSO – Gulf	ST RK – Kazakhstan
Petroleum and natural gas industries (PNGI). Steel pipe for pipeline transportation systems	ISO 3183:2007	ISO 3183:2007	API 5L:2008/ ISO 3183:2007 (MOD)	EN ISO 3977-5:2003 + COR1:2007		Adopted previous ISO 3183 revision in 3 parts - 1, -2, -3	GOST R ISO 3183- 2010	GSO ISO 3183:2008	
Gas turbines – Procurement – Part 5: Applications for Petroleum and natural gas industries	ISO 3977-5:2001								
PNGI – Formulae and calculations for casing, tubing, drill pipe and line pipe properties	ISO TR 10400:2007		API TR 5C3:2008/ ISO 10400:2007 (IDT)	CEN ISO/TR 10400:2011		GB/T 20657-2006 ISO 10400:1993 MOD	GOST R adoption of ISO 10400:2007 MOD in progress	GSO ISO/TR 10400:2009	ST RK 1252:2004 (ISO 10400:1993, MOD)
PNGI – Care and use of casing and tubing	ISO 10405:2000			EN ISO 10405:2006		GB/T 17745-1999 ISO 10405:1993 IDT	GOST R adoption of ISO 10405:2000 MOD in progress		ST RK 1256:2004 (ISO 10405:2000, NEQ)
PNGI – Drilling and production equipment – Drill stem design and operating limits	ISO 10407:1993 (Fast Track) (In revision as ISO 10407-1		API RP 7G:1998 (MOD) + Errata 2000 + Add 1 2003 + Add 2 2009						ST RK ISO 10407:2004 (ISO 10407:1993 IDT)
PNGI – Rotary drilling equipment – Part 2: inspection and classification of drill stem elements	ISO 10407-2:2008 + COR1:2009		API RP 7G-2:2009/ ISO 10407-2:2008 (IDT)	EN ISO 10407-2:2008 + COR:2009				GSO ISO 10407/2:2010	
PNGI – Field testing of drilling fluids Part 1: Water-based fluids	ISO 10414-1:2008	ISO 10414-1:2008 (Adoption as ABNT NBR planned)	API RP 13B-1:2009/ ISO 10414-1:2008 (IDT)	EN ISO 10414-1:2008		GB/T 16783.1-2006/ ISO 10414-1:2001 IDT		GSO ISO 10414-1:2009	ST RK ISO 10414-1:2004 (ISO 10414-1:2001 IDT)
PNGI – Field testing of drilling fluids Part 2: Oil-based fluids	ISO 10414-2:2002	ISO 10414-2:2002						GSO ISO 10414-2:2009	ST RK ISO 10414-2:2004 (ISO 10414-2:2002 IDT)
PNGI – Drilling fluids— Laboratory testing	ISO 10416:2008		API RP 13I:2009/ ISO 10416:2008 (IDT)	EN ISO 10416:2009				GSO ISO 10416:2009	ST RK 1257:2004 (ISO 10416:2002, NEQ)
PNGI – Subsurface safety valves systems – Design, installation, operation and redress	ISO 10417:2004		API RP 14B:2005/ ISO 10417:2004 (IDT)	EN ISO 10417:2004		GB/T 22342-2008/ ISO 10417:2004 IDT		GSO ISO 10417:2009	ST RK 10417:2007 (ISO 10417:2004 IDT)
PNGI – Offshore production installations – Analysis, design, installation and testing of basic surface process safety systems	ISO 10418:2003 + COR1:2008			EN ISO 10418:2003 + COR1:2009			GOST R adoption of ISO 10418:2003 MOD in progress	GSO ISO 10418:2010	ST RK 10418:2005 (ISO 10418:2003 IDT)
PNGI – Drilling and production equipment – Wellhead and Christmas trees equipment	ISO 10423:2009		API Spec 6A:2010/ ISO 10423:2009 (MOD)	EN ISO 10423:2009		GB/T 22513-2008 ISO 10423:2003 MOD	GOST R 51365:2009/ (ISO 10423:2009 MOD)	GSO ISO 10423:2004 (ISO 10423:2003 IDT)	ST RK ISO 10423:2004 (ISO 10423:2003 IDT)
PNGI – Rotary drilling equipment – Part 1: Rotary Drill stem elements	ISO 10424-1:2004		API Spec 7-1:2006 + Add. 1 2007 + Add. 2 2009/ ISO 10424-1:2004 (MOD)	EN ISO 10424-1:2004					ST RK ISO 10424-1:2006 (ISO 10424-1:2004 IDT)
PNGI – Rotary drilling equipment – Part 2: Threading, gauging and testing of rotary shouldered thread connections	ISO 10424-2:2007		API Spec 7-2:2008/ ISO 10424-2:2007 (IDT)	EN ISO 10424-2:2007		GB/T 22512.2-2008/ ISO 10424-2:2007 MOD			

ISO title	ISO	ABNT – Brazil	API – USA	CEN – Europe	CSA - Canada	GB/T – China	GOST R – Russia	GSO – Gulf	ST RK – Kazakhstan
Steel wire ropes for the petroleum and natural gas industries – Minimum requirements and terms for acceptance	ISO 10425:2003 (from ISO TC 105)		API Spec 9A:2004/ ISO 10425:2003 (IDT)						
PNGI – Cements and materials for well cementing – Part 1: Specification	ISO 10426-1:2009 + Cor. 1:2010		API Spec 10A:2010/ ISO 10426-1:2009 (IDT)	EN ISO 10426-1:2009		GB 10238-2005/ ISO 10426-1:2001 MOD			ST RK 1258-1:2004 (ISO 10426-1:2000, NEQ)
PNGI – Cements and materials for well cementing – Part 2: Testing of well cements	ISO 10426-2:2003 + Amd. 1:2005 & + Cor. 1:2006		API RP 10B-2:2005/ ISO 10426-2:2003 (IDT)	EN ISO 10426-2:2003 + Amd. 1:2005\ + Cor. 1:2007					
PNGI – Cements and materials for well cementing – Part 3: Testing of deep water well cement formulations	ISO 10426-3:2003	ISO 10426-3:2003 (Adoption as ABNT NBR planned)	API RP 10B-3:2004/ ISO 10426-3:2003 (IDT)	EN ISO 10426-3:2004					
PNGI – Cements and materials for well cementing – Part 4: Preparation and testing of foamed cement slurries at atmosphere pressure	ISO 10426-4:2004		API RP 10B-4:2004/ ISO 10426-4:2003 (IDT)	EN ISO 10426-4:2004					
PNGI – Cements and materials for well cementing – Part 5: Test methods for determination of shrinkage and expansion of well cement formulations at atmospheric pressure	ISO 10426-5:2004		API RP 10B-5:2005/ ISO 10426-5:2004 (IDT)	EN ISO 10426-5:2005					
PNGI – Cements and materials for well cementing – Part 6: Methods for determining the static gel strength of cement formulations	ISO 10426-6:2008		API RP 10B-6:2010/ ISO 10426-6:2008 (MOD)	EN ISO 10426-6:2008					
PNGI – Casing centralizers – Equipment for well cementing – Part 1: Casing bow-spring centralizers	ISO 10427-1:2001		API Spec 10D:2002/ ISO 10427-1:2001 (IDT)	EN ISO 10427-1:2004		GB/T 19831.1:2005/ ISO 10427-1:2001 IDT			ST RK ISO 10427-1:2004 (ISO 10427-1:2001 IDT)
PNGI – Equipment for well cementing – Part 2: Centralizers placement and stop-collar testing	ISO 10427-2:2004		API RP 10D-2:2004/ ISO 10427-2:2004 (IDT)	EN ISO 10427-2:2004		GB/T 19831.2:2008/ ISO 10427-2:2004 IDT			
PNGI – Equipment for well cementing – Part 3: Performance testing of cementing float equipment	ISO 10427-3:2003		API RP 10F:2002/ ISO 10427-3:2003 (IDT)	EN ISO 10427-3:2004		GB/T 20971-2007/ ISO 10427-3:2003 IDT			ST RK ISO 10427-3:2004 (ISO 10427-3:2003 IDT)
PNGI – Sucker rods (pony rods, polished rods, couplings and sub-couplings) – Specification	ISO 10428:1993 (Withdrawn)	ISO 10428:1993							ST RK 1259-2004 (ISO 10428:1993, NEQ)
PNGI – Pumping units – Specification	ISO 10431:1993 (Withdrawn)			prEN ISO 10431					ST RK 1260-2004 (ISO 10431:1993, NEQ)
PNGI – Downhole equipment – Subsurface safety valve equipment	ISO 10432:2004		API Spec 14A:2005/ ISO 10432:2004 (IDT)	EN ISO 10432:2004					ST RK ISO 10432:2004 (ISO 10432:2004 IDT)



ISO title	ISO	ABNT – Brazil	API – USA	CEN – Europe	CSA - Canada	GB/T – China	GOST R – Russia	GSO – Gulf	ST RK – Kazakhstan
Bolted bonnet steel gate valves for petroleum, petrochemical and allied industries	ISO 10434:2004		API Std 600:2009/ ISO 10434:2001 (MOD)	EN ISO 10434:2004 (CEN TC 69)		GB/T 12234-2007/ ISO 10434:2004 EQV			ST RK ISO 10434:2006 (ISO 10434:2004 IDT)
PPNGI – Steam turbine – Special purpose application	ISO 10437:2003		API Std 612:2005/ ISO 10437:2003	EN ISO 10437:2003				GSO ISO 10437:2008	
PPNGI – Lubrication, shaft sealing and control oil systems and auxiliaries – Part 1: General requirements	ISO 10438-1:2007		API Std 614:2008/ ISO 10438-1, -2, -3, -4 (IDT)	EN ISO 10438-1:2007					
PPNGI – Lubrication, shaft sealing and control oil systems and auxiliaries – Part 2: Special purpose oil systems	ISO 10438-2:2007		API Std 614:2008/ ISO 10438-1, -2, -3, -4 (IDT)	EN ISO 10438-2:2007					
PPNGI – Lubrication, shaft sealing and control oil systems and auxiliaries – Part 3: General purpose oil systems	ISO 10438-3:2007		API Std 614:2008/ ISO 10438-1, -2, -3, -4 (IDT)	EN ISO 10438-3:2007					
PPNGI – Lubrication, shaft sealing and control oil systems and auxiliaries – Part 4: Self-acting gas seal support systems	ISO 10438-4:2007		API Std 614:2008/ ISO 10438-1, -2, -3, -4 (IDT)	EN ISO 10438-4:2007					
PCGS1 – Centrifugal compressors	ISO 10439:2002			EN ISO 10439:2002					ST RK ISO 10439:2004 (ISO 10439:2002 IDT)
PNGI – Rotary-type positive displacement compressors – Part 1: Process compressors (oil free)	ISO 10440-1: 2007		API Std 619:2010/ ISO 10440-1:2007 (IDT)	EN ISO 10440-1:2007					ST RK ISO 10440-1:2004 (ISO 10440-1:2000 IDT)
PNGI – Rotary-type positive displacement compressors – Part 2: Packaged air compressors (oil free)	ISO 10440-2:2001			EN ISO 10440-2:2001					ST RK ISO 10440-2:2004 (ISO 10440-2:2001 IDT)
PNGI – Flexible couplings for mechanical power transmission – Special purpose applications	ISO 10441:2007		API Std 671:2007/ ISO 10441:2007 (IDT)	EN ISO 10441:2007				GSO ISO 10441:2008	ST RK 10441:2004 (ISO 10441:1999 IDT)
PCGS1 – Packaged, integrally geared centrifugal air compressors	ISO 10442:2002			EN ISO 10442:2002					ST RK 10442:2004 (ISO 10442:2002 IDT)
Testing of Valves – Fire Type-testing Requirements	ISO 10497: 2010 (from ISO TC153 SC1)		API Std 607:2010/ ISO 10497	EN ISO 10497:2004 (from CEN TC69)					
PNGI – Steel pipes for use as casing or tubing for wells	ISO 11960:2004	ISO 11960:2004 + Cor. 1:2006	API Spec 5CT:2005/ ISO 11960:2004	EN ISO 11960:2004 + Cor. 1:2007		GB/T 19830-2005 ISO 11960:2001 IDT	GOST R 11960:2004 MOD		ST RK 11960-2009 (ISO 11960:2004 IDT)
PNGI – Steel pipes for use as drill pipe – Specification	ISO 11961:2008 + Cor. 1:2009		API Spec 5DP:2009/ ISO 11961:2008	EN ISO 11961:2008 + Cor. 1:2009			GOST R 11961:2008 MOD	GSO ISO 11961:2009	ST RK 11961:2009 (ISO 11960:2008 IDT)
PNGI – Drilling fluid materials – Specification and tests	ISO 13500:2008 + Cor. 1:2009 + Amd. 1:2010	ISO 13500:2008 (Adoption as ABNT NBR planned)	API Spec 13A:2010/ ISO 13500:2008 (IDT)	EN ISO 13500:2008 + Cor. 1:2009		GB/T 5005:2010 ISO 13500:2008 MOD		GSO ISO 13500:2008 (to be updated to include Cor1)	ST RK 1261:2004 (ISO 13500:1998, NEO)

ISO title	ISO	ABNT – Brazil	API – USA	CEN – Europe	CSA - Canada	GB/T – China	GOST R – Russia	GSO – Gulf	ST RK – Kazakhstan
PNG1 – Drilling fluids – Processing systems evaluation	ISO 13501:2005		API RP 13C:2010/ ISO 13501:2005 (MOD)	EN ISO 13501:2005					
PNG1 – Completion fluids and materials – Part 1: Measurement of viscous properties of completion fluids	ISO 13503-1:2003 + Cor. 1:2005		API RP 13M:2004/ ISO 13503-1:2003 (IDT)	EN ISO 13503-1:2005 + Cor. 1:2007					ST RK ISO 13503-1:2009 (ISO 13503-1:2003 IDT)
PNG1 – Completion fluids and materials – Part 2: Measurement of properties of proppants used in hydraulic fracturing and gravel packing operations	ISO 13503-2:2006 + Amd. 1:2009	ABNT NBR ISO 13503-2:2008	API RP 19C:2008/ ISO 13503-2:2006 (IDT)	EN ISO 13503-2:2006 + Amd. 1:2009				GSO ISO 13503-2:2008 (to include Amend 1)	ST RK ISO 13503-2:2009 (ISO 13503-2:2006 IDT)
PNG1 – Completion fluids and materials – Part 3: Testing of heavy brines	ISO 13503-3:2005 + Cor. 1:2006		API RP 13J:2006/ ISO 13503-3:2005	EN ISO 13503-3:2005 + Cor. 1:2007					ST RK ISO 13503-3:2009 (ISO 13503-3:2005 IDT)
PNG1 – Completion fluids and materials – Part 4: Procedures for measuring stimulation and gravel-pack fluid leak-off under static conditions	ISO 13503-4:2006		API RP 13M-4:2006/ ISO 13503-4:2006 (IDT)	EN ISO 13503-4:2006				GSO ISO 13503-4:2008	ST RK ISO 13503-4:2009 (ISO 13503-4:2006 IDT)
PNG1 – Completion fluids and materials – Part 5: Procedure for measuring the long term conductivity of proppants	ISO 13503-5:2006		API RP 19D:2008/ ISO 13503-5:2006 (IDT)	EN ISO 13503-5:2006				GSO ISO 13503-5:2008	ST RK ISO 13503-5:2009 (ISO 13503-5:2006 IDT)
PNG1 – Drilling and production equipment – Drill through equipment	ISO 13533:2001 + Cor. 1:2005		API Spec 16A:2004/ ISO 13533:2001 (MOD) + ERR 2005	EN ISO 13533:2001 + Cor. 1:2006		GB/T 20174:2006/ ISO 13533:2001 MOD		GSO ISO 13533:2010	ST RK ISO 13533:2004 (ISO 13533:2001 IDT)
PNG1 – Drilling and production equipment – Inspection, maintenance, repair and remanufacture of hoisting equipment	ISO 13534:2000		API RP 8B:2002 + Add. 1 2003 + Add. 2 2005/ ISO 13534:2000 (MOD)	EN ISO 13534:2000		GB/T 19832:2005/ ISO 13534:2000 IDT			ST RK 13534:2004 (ISO 13534:2000 IDT)
PNG1 – Drilling and production equipment – Hoisting equipment	ISO 13535:2000		API Spec 8C:2003 + Add. 1 2003 + Add. 2 2005/ ISO 13535:2000 (MOD)	EN ISO 13535:2000		GB/T 19190:2003/ ISO 13535:2000 IDT	GOST R 53683 (ISO 13535:2000 MOD)		ST RK 1263:2004 (ISO 13535:2000, NEQ)
PNG1 – Pipeline transportation systems	ISO 13623:2009			EN 14161:2003 (ISO 13623:2000 MOD)		GB/T 24259:2009/ ISO 13623:2000 MOD		GSO ISO 13623:2008	ST RK ISO 13623:2011 (ISO 13623:2009 IDT)
PNG1 – Drilling and production equipment – Part 1: Design and operation of marine drilling riser equipment	ISO 13624-1:2009			EN ISO 13624-1:2009					
PNG1 – Drilling and production equipment – Part 2: Deepwater drilling riser methodologies, operations, and integrity technical report	ISO TR 13624-2:2009								
PNG1 – Drilling and production equipment – Marine drilling riser couplings	ISO 13625:2002			EN ISO 13625:2002					ST RK ISO 13625:2009 (ISO 13625:2002 E, IDT)
PNG1 – Drilling and production equipment – Drilling and well servicing structures	ISO 13626:2003			EN ISO 13626:2004					ST RK ISO 13626:2006 (ISO 13626:2003 IDT)

ISO title	ISO	ABNT – Brazil	API – USA	CEN – Europe	CSA - Canada	GB/T – China	GOST R – Russia	GSO – Gulf	ST RK – Kazakhstan
PNGI – Design and operation of subsea production systems – Part 1: General requirements and recommendations	ISO 13628-1:2005 + Amd. 1:2010	ISO 13628-1:2005 + Amd. 1:2010	API RP 17A:2006/ ISO 13628-1:2005 (IDT)	EN ISO 13628-1:2005 + Amd. 1		GB/T 21412.1-2010/ ISO 13628-1:2005 IDT	GOST R adoption of ISO 13628-1:2005 MOD in progress	GSO ISO 13628-1:2010	ST RK ISO 13628-1:2009 (ISO 13628-1:2005 IDT)
PNGI – Design and operation of subsea production systems – Part 2: Flexible pipe systems for subsea and marine applications	ISO 13628-2:2006 + Cor. 1:2009	ISO 13628-2:2006 + Cor. 1:2009	API Spec 17J:2008/ ISO 13628-2:2006 (IDT)	EN ISO 13628-2:2006 + Cor. 1:2009		GB/T 21445.2-2008/ ISO 13628-2:2006 IDT	GOST R adoption of ISO 13628-2:2006 MOD in progress	GSO ISO 13628-2:2009	ST RK ISO 13628-2:2009 (ISO 13628-2:2006 IDT)
PNGI – Design and operation of subsea production systems – Part 3: Through flowline (TFL) systems	ISO 13628-3:2000		API RP 17C:2002/ ISO 13628-3:2000 (IDT)	EN ISO 13628-3:2000		GB/T 21412.3-2009/ ISO 13628-3:2000 IDT	GOST R adoption of ISO 13628-3:2000 MOD in progress	GSO ISO 13628-3:2009	
PNGI – Design and operation of subsea production systems – Part 4: Subsea wellhead and tree equipment	ISO 13628-4:2010	ISO 13628-4:2010	API Spec 17D:2011/ ISO 13628-4 (IDT)	EN ISO 13628-4:1999		GB/T 21412.4-2008/ ISO 13628-4:1999 IDT	GOST R adoption of ISO 13628-4:2010 MOD in progress	GSO ISO 13628-4:2009	
PNGI – Design and operation of subsea production systems – Part 5: Subsea control umbilicals	ISO 13628-5:2009	ISO 13628-5:2009	API Spec 17E:2010/ ISO 13628-5:2009 (IDT)	EN ISO 13628-5:2009		GB/T 21412.5-2010/ ISO 13628-5:2009 IDT		GSO ISO 13628-5:2009	ST RK ISO 13628-5:2009 (ISO 13628-5:2002 IDT)
PNGI – Design and operation of subsea production systems – Part 6: Subsea production control systems	ISO 13628-6:2006	ISO 13628-6:2006	API Spec 17F:2006/ ISO 13628-6:2006 (IDT)	EN ISO 13628-6:2006		GB/T 21412.6-2009/ ISO 13628-6:2006 IDT			
PNGI – Design and operation of subsea production systems – Part 7: Completion/workover riser systems	ISO 13628-7:2005	ISO 13628-7:2005	API RP 17G:2006/ ISO 13628-7:2005 (IDT)	EN ISO 13628-7:2006					
PNGI – Design and operation of subsea production systems – Part 8: Remotely operated vehicle (ROV) interfaces on subsea production systems	ISO 13628-8:2002 + Cor. 1:2005	ISO 13628-8:2002 + Cor. 1:2005	API RP 17H:2004/ ISO 13628-8:2002 (IDT)	EN ISO 13628-8:2006		GB/T 21412.8-2010/ ISO 13628-8:2002 IDT		GSO ISO 13628-8:2009	
PNGI – Design and operation of subsea production systems – Part 9: Remotely operated tool (ROT) intervention systems	ISO 13628-9:2000		API RP 17M:2004/ ISO 13628-9:2000 (IDT)	EN ISO 13628-9:2006		GB/T 21412.9-2009/ ISO 13628-9:2000 IDT			
PNGI – Design and operation of subsea production systems – Part 10: Specification for bonded flexible pipes	ISO 13628-10:2005		API Spec 17K:2005/ ISO 13628-10:2005 (IDT)	EN ISO 13628-10:2006					
PNGI – Design and operation of subsea production systems – Part 11: Flexible pipe systems for subsea and marine applications (Replaces ISO 10420:1994)	ISO 13628-11:2007 + Cor. 1:2008		API RP 17B:2008/ ISO 13628-11:2007 (IDT)	EN ISO 13628-11:2008 + Cor. 1:2009		GB/T 20661-2006/ (ISO 10420:1994 IDT)	GOST R ISO 10420:2005		
PNGI – Packaged reciprocating gas compressors	ISO 13631:2002			EN ISO 13631:2002			GOST R ISO 13631:2002	GSO ISO 13678:2010	ST RK ISO 13631:2004 (ISO 13631:2002 IDT)
PNGI – Evaluation and testing of thread compounds for use with casing, tubing and line pipe	ISO 13678:2010		API RP 5A3:2009/ ISO 13678:2009 (IDT)	EN ISO 13678:2009		GB/T 23512-2009/ ISO 13678:2000 IDT			ST RK 1264:2004 (ISO 13678:2000, MOD)

ISO title	ISO	ABNT – Brazil	API – USA	CEN – Europe	CSA - Canada	GB/T – China	GOST R – Russia	GSO – Gulf	ST RK – Kazakhstan
PNGI – Procedures for testing casing, and tubing connections	ISO 13679:2002		API RP 5C5:2003/ ISO 13679:2002 (IDT)	EN ISO 13679:2006		GB/T 21267-2007/ ISO 13679:2002 IDT			ST RK 1262:2004 (ISO 13679:2002, NEQ)
PNGI – Corrosion resistant alloy seamless tubes for use as casing, tubing and coupling stock – Technical delivery conditions	ISO 13680:2010		API Spec 5CRA:2010/ ISO 13680:2010 (MOD)	EN ISO 13680:2008 + Cor. 1 & Cor. 2:2007		GB/T 23802-2009/ ISO 13680:2000 MOD		GSO ISO 13680:2010	ST RK 13680:2004 (ISO 13680:2000 IDT)
PNGI – High-speed special purpose gear units	ISO 13691:2001			EN ISO 13691:2002					
PNGI – Control and mitigation of fires and explosions on offshore production installations – Requirements and guidelines	ISO 13702:1999	ISO 13702:1999		EN ISO 13702:1999		GB/T 20660-2006/ ISO 13702:1999 IDT	GOST R adoption of ISO 13702:1999 MOD in progress	GSO ISO 13702:2010	ST RK 13702:2006 (ISO 13702:1999 IDT)
PNGI – Design and installation of piping systems on offshore production platforms	ISO 13703:2000 + Cor. 1:2002			EN ISO 13703:2000 + Cor. 1:2007		GB/T 23803-2009/ ISO 13703:2000 IDT		GSO ISO 13703:2010	ST RK 13703:2006 (ISO 13703:2000 IDT)
PNGI – Calculation of heater tube thickness in petroleum refineries	ISO 13704:2007 + Cor. 1:2008		API Std 530:2008/ ISO 13704:2001 (IDT)	EN ISO 13704:2007 + Cor. 1:2009				GSO ISO 13704:2008	
PNGI – Fired heaters for general refinery service	ISO 13705:2006	ISO 13705:2006	API Std 560:2007/ ISO 13705:2006 (IDT)	EN ISO 13705:2006			GOST R 53682:2009 (ISO 13705:2005 MOD)	GSO ISO 13705:2008	
PPNGI – Air-cooled heat exchangers	ISO 13706:2005		API Std 661:2006/ ISO 13706:2005 (IDT)	EN ISO 13706:2005			GOST R ISO 13706:2006	GSO ISO 13706:2008	ST RK ISO 13706:2009
PNGI – Reciprocating compressors	ISO 13707:2000					GB/T 20372-2006/ ISO 13707:2000 MOD	GOST R ISO 13707:2009 MOD		ST RK ISO 13707:2004 (ISO 13707:2000 IDT)
PPNGI – Centrifugal pumps	ISO 13709:2009	ISO 13709:2009	API Std 610:2010/ ISO 13709:2009 (IDT)	EN ISO 13709:2009					ST RK ISO 13709:2004 (ISO 13707:2003 IDT)
PPNGI – Reciprocating positive displacement pumps	ISO 13710:2004			EN ISO 13710:2004					ST RK ISO 13710:2006 (ISO 13710:2004 IDT)
PNGI – Pipeline transportation systems – Welding of pipeline	ISO 13847:2000 + Cor. 1:2001	ISO 13847:2000 + Cor. 1:2001		EN 14163:2001 (ISO 13847:2000 MOD + Cor. 1:2006				GSO ISO 13847:2008	
PNGI – Content and drafting of a functional specification	ISO 13879:1999					GB/T 24257-2009/ ISO 13879:1999 MOD	GOST R ISO 13879:2009	GSO ISO 13879:2008	ST RK 13879:2004 (ISO 13879:1999 IDT)
PNGI – Content and drafting of a technical specification	ISO 13880:1999					GB/T 24258-2009/ ISO 13880:1999 MOD		GSO ISO 13880:2008	ST RK 13880:2004 (ISO 13880:1999 IDT)
PNGI – Classification and conformity assessment of products, processes and services	ISO TR 13881:2000			CEN ISO/TR 13881:2011		GB/T 20662-2006/ ISO TR 13881:2000 MOD		GSO ISO TR 13881:2008	ST RK 13881:2006 (ISO TR 13881:2000 IDT)
PNGI – Collection and exchange of reliability and maintenance data for equipment	ISO 14224:2006		API Std 689:2007/ ISO 14224:2006 (IDT)	EN ISO 14224:2006		GB/T 20172-2006/ ISO 14224:1999 IDT		GSO ISO 14224:2008	ST RK ISO 1268:2004 (ISO 14224:1999, MOD)
PNGI – Downhole equipment – Packers and bridge plugs	ISO 14310:2008		API Spec 11D1:2009/ ISO 14310:2008 (IDT)	EN ISO 14310:2008		GB/T 20970-2007/ ISO 14310:2001 IDT		GSO ISO 14310:2009	ST RK 1253:2004 (ISO 14310:2001, MOD)

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PNGI – Pipeline Transportation Systems – Pipeline valves	ISO 14313:2007 + Cor. 1:2009	ISO 14313:2007 + Cor. 1:2009	API Spec 6D:2008/ISO 14313:2007 (IDT)	EN 13942:2009 (ISO 14313:2007 MOD) + Cor. 1:2009		GB/T 20173-2006/ISO 14313:1999 MOD		GSO ISO 14313:2008 (to be updated to include Cor. 1)	ST RK 1269:2004 (ISO 14313:1999, MOD)
PNGI – Flexible couplings for mechanical power transmission – General purpose applications	ISO 14691:2008			EN ISO 14691:2008				GSO ISO 14691:2008	ST RK 14691:2004 (ISO 14691:1999 IDT)
PNGI – Glass-reinforced plastics (GRP) piping – Part 1: Vocabulary, symbols, applications and materials	ISO 14692-1:2002	ABNT NBR 15921-1:2011 (based on ISO 14692-1:2002)		EN ISO 14692-1:2002				GSO ISO 14692-1:2008	ST RK 1255-1:2004 (ISO 14692-1:2002, MOD)
PNGI – Glass-reinforced plastics (GRP) piping – Part 2: Qualification and manufacture	ISO 14692-2:200 + Cor. 1:2005	ABNT NBR 15921-2:2011 (based on ISO 14692-2:2002)		EN ISO 14692-2:2002 + Cor. 1:2006				GSO ISO 14692-2:2008	ST RK 1255-2:2004 (ISO 14692-2:2002, MOD)
PNGI – Glass-reinforced plastics (GRP) piping – Part 3: System design	ISO 14692-3:2002 + Cor. 1:2005	ABNT NBR 15921-3:2011 (based on ISO 14692-3:2002)		EN ISO 14692-3:2002 + Cor. 1:2006				GSO ISO 14692-3:2008	ST RK 1255-3:2004 (ISO 14692-3:2002, MOD)
PNGI – Glass-reinforced plastics (GRP) piping – Part 4: fabrication, installation and operation	ISO 14692-4:2002 + Cor. 1:2006	ABNT NBR 15921-4:2011 (based on ISO 14692-4:2002)		EN ISO 14692-4:2002 + Cor. 1:2007				GSO ISO 14692-4:2008	ST RK 1255-4:2004 (ISO 14692-4:2002, MOD)
PNGI – Drilling and well-servicing equipment	ISO 14693:2003			EN ISO 14693:2003		GB/T 17744-2008/ISO 14693:2003 MOD	GOST R 53680:2009 (ISO 14693:2003 MOD)	GSO ISO 14693:2006 (ISO 14693:2003 IDT)	ST RK ISO 14693:2006 (ISO 14693:2003 IDT)
PNGI – Pipeline Transportation Systems – Suissea pipeline valves	ISO 14723:2009		API Spec 6DSS:2009/ISO 14723:2009 (IDT)	EN ISO 14723:2009			GOST R adoption of ISO 14723:2009 MOD in progress	GSO ISO 14723:2008	ST RK ISO 14723:2006 (ISO 14723:2001 IDT)
PNGI – Downhole equipment – Progressing cavity pump systems for artificial lift – Part 1: Pumps	ISO 15136-1:2009		API Std 11D2:2010/ISO 15136:2009 (IDT)	EN ISO 15136-1:2009		GB/T 21411.1-2008/ISO 15136-1:2001 MOD		GSO ISO 15138:2010	ST RK 1254-1:2004 (ISO 15136-1:2001, MOD)
PNGI – Progressing cavity pump systems for artificial lift – Part 2: Surface-drive systems	ISO 15136-2:2006	ABNT NBR ISO 15136-2:2008	API Std 11D3:2008/ISO 15136-2:2006 (IDT)	EN ISO 15136-2:2006		GB/T 21411.2:2009/ISO 15136-2:2006 MOD		GSO ISO 15138:2010	ST RK 15138:2006 (ISO 15138:2000 IDT)
PNGI – Offshore production installations – Heating, ventilation and air-conditioning	ISO 15138:2007			EN ISO 15138:2007			GOST R adoption of ISO 15138:2007 MOD in progress	GSO ISO 15138:2010	ST RK 15138:2006 (ISO 15138:2000 IDT)
PNGI – Materials for use in H <sub>2</sub> S containing environments in oil and gas production – Part 1: General principles for selection of cracking-resistant materials	ISO 15156-1:2009	ISO 15156-1:2009	ANSI/NACE MR 0175:2009/ISO 15156-1, -2, -3:2009 (IDT)	EN ISO 15156-1:2009		GB/T 20972-1:2007/ISO 15156-1:2001 IDT	GOST R 53679:2009 (ISO 15156-1:2003 MOD)	GSO ISO 15156-1:2008	ST RK ISO 15156-1:2008 (ISO 15156-1:2001 IDT)
PNGI – Materials for use in H <sub>2</sub> S containing environments in oil & gas production – Part 2: Cracking resistant carbon and low alloy steels, and the use of cast irons	ISO 15156-2:2009	ISO 15156-2:2009	ANSI/NACE MR 0175:2009/ISO 15156-1, -2, -3:2009 (IDT)	EN ISO 15156-2:2009		GB/T 20972.2:2008/ISO 15156-2:2003 MOD	GOST R 53678:2009 (ISO 15156-2:2003 MOD)	GSO ISO 15156-2:2008	ST RK ISO 15156-2:2008 (ISO 15156-2:2003 IDT)

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PNG1 – Materials for use in H <sub>2</sub> S containing environments in oil & gas production – Part 3: Cracking resistant CRAs (corrosion-resistant-alloys) and other alloys	ISO 15156-3:2009	ISO 15156-3:2009	ANSI/AACE MR 0175:2009/ISO 15156-1, -2, -3:2009 (IDT)	EN ISO 15156-3:2009		GB/T 20972.3:2008/ISO 15156-3:2003 MOD		GSO ISO 15156-3:2008	ST RK ISO 15156-3:2008 (ISO 15156-3:2003 IDT)
PNG1 – Field inspection of new casing, tubing and plain end drill pipe	ISO 15463:2003 + Cor. 1:2009		API RP 5A5:2005/ISO 15463:2003 (IDT)	EN ISO 15463:2003 + Cor. 1:2009		GB/T 20656:2006/ISO 15463:2003 IDT			ST RK 15463:2006 (ISO 15463:2003 IDT)
PNG1 – Offshore production installations – Requirements and guidelines for emergency response	ISO 15544:2000 + Amd. 1:2009			EN ISO 15544:2010 (ISO 15544:2000 + Amd. 1:2009)			GOST R adoption of ISO 15544:2000 MOD in progress		ST RK 15544:2006 (ISO 15544:2000 IDT)
PNG1 – Aluminium alloy drill pipes	ISO 15546:2007			EN ISO 15546:2007		GB/T 20659:2006/ISO 15546:2002 IDT	GOST R ISO 15546:2007 MOD	GSO ISO 15546:2009	
PNG1 – Plate-type heat exchangers – Part 1: Plate-and-frame heat exchangers	ISO 15547-1:2005		API Std 662, part 1:2006/ISO 15547-1:2005 (IDT)	EN ISO 15547-1:2005			GOST R ISO 15547-1:2009 IDT	GSO ISO 15547-1:2008	ST RK 15547:2004 (ISO 15547:2000 IDT)
PNG1 – Plate-type heat exchangers – Part 2: Brazed aluminium plate-fin heat exchangers	ISO 15547-2:2005		API Std 662, part 2:2006/ISO 15547-2:2005 (IDT)	EN ISO 15547-2:2005				GSO ISO 15547-2:2008	ST RK 15547:2004 (ISO 15547:2000 IDT)
PNG1 – Cathodic protection for pipeline transportation systems – Part 1: on land pipeline	ISO 15589-1:2003	ABNT NBR 15589-1:2011		taken in CEN TC219		GB/T 21448:2008/ISO 15589-1:2003 NEQ		GSO ISO 15589-1:2008	
PNG1 – Cathodic protection for pipeline transportation systems – Part 2: offshore pipeline	ISO 15589-2:2004	ISO 15589-2:2004	WACE SP0607:2007/ISO 15589-2:2004	taken in CEN TC219				GSO ISO 15589-2:2008	ST RK ISO 15589-2:2007 (ISO 15589-2:2005 IDT)
PNG1 – Induction bends, fittings and flanges for pipeline transportation systems – Part 1: Induction bends	ISO 15590-1:2009	ABNT NBR 15273:2005 (based on ISO 155590-1:2003 and ASME B 16.49:2000)		EN 14870-1:2004 (ISO 15590-1:2001 MOD)				GSO ISO 15590-1:2008	ST RK ISO 15590-1:2004 (ISO 15590-1:2001 IDT)
PNG1 – Induction bends, fittings and flanges for pipeline transportation systems – Part 2: Fittings	ISO 15590-2:2003			EN 14870-2:2004 (ISO 15590-2:2003 MOD)				GSO ISO 15590-2:2008	ST RK ISO 15590-2:2007 (ISO 15590-2:2003 IDT)
PNG1 – Induction bends, fittings and flanges for pipelines transportation systems – Part 3: Flanges	ISO 15590-3:2004			EN 14870-3:2004 (ISO 15590-3:2004 MOD)				GSO ISO 15590-3:2008	ST RK ISO 15590-3:2007 (ISO 15590-3:2004 IDT)
PNG1 – piping – Guide for the use of ISO 15649 and ANSI/ASME B31-3 for piping in Europe in compliance with the Pressure Equipment Directive	ISO 15649:2001	ABNT NBR ISO 15649:2004		CEN/TR 14549:2004 (ISO 15649 + ESR of PED)		GB/T 20801.1-6-2006 ISO 15649:2001 NEQ			ST RK 1267:2004 (ISO 15649:2001 MOD)
PNG1 – Life Cycle Costing – Part 1: Methodology	ISO 15663-1:2000			EN ISO 15663-1:2006		GB/T 19829.1:2005 ISO 15663-1:2000 IDT		GSO ISO 15663-1:2008	ST RK 1265.1:2004 (ISO 15663-1:2000 MOD)
PNG1 – Life Cycle Costing – Part 2: Guidance on application of methodology and calculation methods	ISO 15663-2:2001					GB/T 19829.2:2005 ISO 15663-2:2001 IDT		GSO ISO 15663-2:2008	ST RK 1265.2:2004 (ISO 15663-2:2001 MOD)

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PNG1 – Life Cycle Costing – Part 3: Implementation guidelines	ISO 15663-3:2001					GB/T 19829.3-2006 ISO 15663-3:2001 IDT		GSO ISO 15663-3:2009	ST RK 1265-3:2004 (15663-3:2001 MOD)
PNG1 – Steel gate, globe and check valves for sizes DN 100 and smaller	ISO 15761:2002			EN ISO 15761:2002					ST RK 15761:2004 (ISO 15761:2002 IDT)
PNG1 – Downhole equipment – Lock mandrels and landing nipples	ISO 16070:2005		API Spec 14L:2007/ ISO 16070:2005 (IDT)	EN ISO 16070:2005		GB/T 21410-2008 ISO 16070:2001 IDT			
PNG1 – Pipeline transportation systems – Reliability-based limit state methods	ISO 16708:2006			EN ISO 16708:2006				GSO ISO 16708:2008	ST RK 16708:2008 (ISO 16708:2006 IDT)
PNG1 – Shell-and-tube heat exchangers	ISO 16812:2007		API Std 660:2007/ ISO 16812:2007 (IDT)	EN ISO 16812:2007			GOST R 53677:2009 (ISO 16812:2007 MOD)	GSO ISO 16812:2008	ST RK ISO 16812:2004 (ISO 16812:2002 IDT)
PNG1 – Drilling & Production equipment – Part 1: Side pocket mandrels	ISO 17078-1:2004 + Amd 1:2010		API Spec 1961:2010/ ISO 17078-1:2004 (MOD)	EN ISO 17078-1:2004				GSO ISO 17078-1:2010	
PNG1 – Drilling and production equipment – Part 2: Flow-control devices for side-pocket mandrels	ISO 17078-2:2007 + Cor. 1:2009		API Spec 1962:2010/ ISO 17078-2:2007 (MOD)	EN ISO 17078-2:2007 + Cor. 1:2009				GSO ISO 17078-2:2010	
PNG1 – Drilling and production equipment – Part 3: Latches and related tools for side-pocket mandrels	ISO 17078-3:2009		API Spec 1963:2011/ ISO 17078-3:2009 (IDT)	EN ISO 17078-3:2009				GSO ISO 17078-3:2010	
PNG1 – Drilling and production equipment – Part 4: Practices for side-pockets mandrels and related equipment	ISO 17078-4:2010		API Spec 1964:2011/ ISO 17078-4:2010 (IDT)	EN ISO 17078-4:2010					
Metal ball valves for petroleum, petrochemical and allied industries	ISO 17292:2004			EN ISO 17292:2004 (CEN TC69)		GB/T 12237-2007 ISO 17292:2004 NEQ			
PNG1 – Offshore production installations – Guidelines on tools and techniques for hazard identification and risk assessment	ISO 17776:2000			EN ISO 17776:2002			GOST R adoption of ISO 17776:2000 MOD in progress		ST RK ISO 17776:2004 (ISO 17776:2000 IDT)
PNG1 – Downhole equipment – Sand control screens	ISO 17824: 2009							GSO ISO 17824:2010	
PNG1 – General requirements for offshore structures	ISO 19900:2002	ABNT NBR ISO 19900:2004		EN ISO 19900:2002	CAN/CSA-ISO 19900-06/ ISO 19900:2002 IDT	GB/T 23511-2009/ ISO 19900:2002 IDT	GOST R adoption of ISO 19900:2002 IDT in progress	GSO ISO 19900:2008	ST RK ISO 19900:2006 (ISO 19900:2002 IDT)
PNG1 – Specific requirements for offshore structures Part 1: Metocean design and operating considerations	ISO 19901-1:2005			EN ISO 19901-1:2005	CAN/CSA-ISO 19901-1-06/ ISO 19901-1:2005 (IDT)				
PNG1 – Specific requirements for offshore structures Part 2: Seismic design procedures and criteria	ISO 19901-2:2004			EN ISO 19901-2:2004	CAN/CSA-Z19901-2-07/ ISO 19901-2:2004 (MOD)				ST RK ISO 19901-2:2006 (ISO 19901-2:2004 IDT)
PNG1 – Specific requirements for offshore structures Part 3: Topside structure	ISO 19901-3:2010			EN ISO 19901-3:2010					

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PNGI – Specific requirements for offshore structures Part 4: Geotechnical and foundation design considerations	ISO 19901-4:2003			EN ISO 19901-4:2003	CAN/CSA-ISO 19901-4-06/ ISO 19901-4:2004 (IDT)				ST RK ISO 19901-4:2006 (ISO 19901-4:2003 IDT)
PNGI – Specific requirements for offshore structures Part 5: weight control during engineering and construction	ISO 19901-5:2003	ABNT NBR ISO 19901-5:2006		EN ISO 19901-5:2003	CAN/CSA-ISO 19901-5-05/ ISO 19901-5:2003 (IDT)				ST RK ISO 19901-5:2006 (ISO 19901-5:2003 IDT)
PNGI – Specific requirements for offshore structures Part 6: Marine operations	ISO 19901-6:2009		API RP 2MOP:2010/ ISO 19901-6:2009 (IDT)	EN ISO 19901-6:2009	CAN/CSA-ISO 19901-6-2010/ ISO 19901-6:2009 (IDT)				
PNGI – Specific requirements for offshore structures Part 7: Stationkeeping systems for floating offshore structures and mobile offshore units	ISO 19901-7:2005			EN ISO 19901-7:2005	CAN/CSA-ISO 19901-7-07/ ISO 19901-7:2005 (IDT)			GSO ISO 19901-7:2010	ST RK ISO 19901-7:2006 (ISO 19901-7:2005 IDT)
PNGI – Fixed steel offshore structures	ISO 19902:2007			EN ISO 19902:2007	CAN/CSA-Z19902-09/ ISO 19902:2007 (MOD)				
PNGI – Fixed concrete offshore structures	ISO 19903:2006			EN ISO 19903:2006	CAN/CSA-ISO 19903-07/ ISO 19903:2006				
PNGI – Floating offshore structures – Part 1: Monohulls, semi-submersibles and spars	ISO 19904-1:2006			EN ISO 19904-1:2006	CAN/CSA-ISO 19904-1-07/ ISO 19904-1:2006 (IDT)		GOST R adoption of ISO 19904-1:2006 MOD in progress		
PNGI – Arctic offshore structures	ISO 19906:2010			EN ISO 19906:2010	CAN/CSA-ISO 19906-06/ ISO 19906:2010 (IDT)		GOST R adoption of ISO 19906:2010 IDT in progress		
PNGI – Production assurance and reliability management	ISO 20815:2008			EN ISO 20815:2008			GOST R adoption of ISO 20815:2008 IDT in progress	GSO ISO 20815:2009	
Pumps – Shaft sealing systems for centrifugal and rotary pumps	ISO 21049:2004		API Std 682:2004/ISO 21049:2004 (IDT)	EN ISO 21049:2004					
PNGI – Pipeline transportation systems – Test procedure for mechanical connectors	ISO 21329:2004			EN ISO 21329:2004				GSO ISO 21329:2008	ST RK ISO 21329:2007 (ISO 21329:2004 IDT)
PNGI – Materials selection and corrosion control for oil and gas production systems	ISO 21457:2010	ISO 21457:2010 (Adoption as ABNT NBR planned)							
PNGI – External coatings for buried and submerged pipelines used in pipeline transportation systems – Part 2: Fusion bonded epoxy coatings	ISO 21809-2:2007 + Cor. 1:2008			EN ISO 21809-2:2007 (From ECSS/TC110 WG4)				GSO ISO 21809-2:2008 + Cor. 1	
PNGI – External coatings for buried and submerged pipelines used in pipeline transportation systems – Part 3: Field joint coatings	ISO 21809-3:2008			EN ISO 21809-3 (Adoption process within ECSS/TC 110 WG4 in progress)				GSO ISO 21809-3:2008	



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PPNG1 – External coatings for buried and submerged pipelines used in pipeline transportation systems – Part 4: Polyethylene coatings (2-layer PE)	ISO 21809-4:2009							GSO ISO 21809-4:2010	
PGNI – External coatings for buried and submerged pipelines used in pipeline transportation systems – Part 5: External concrete coatings	ISO 21809-5:2010			EN ISO 21809-5:2010 (From ECSS/100)				GSO ISO 21809-5:2010	
PPNG1 – Pressure-relieving and depressuring systems	ISO 23251:2006 + Cor. 1:2007 + Amd 1:2008		API Std 521:2007 + Add. 2008/ISO 23251:2006	EN ISO 23251:2007 + Amd. 1:2008 + Cor. 1:2009				GSO ISO 23251:2008	
PPNG1 – Non-metallic materials in contact with media related to oil and gas production – Part 1: Thermoplastics	ISO 23936-1:2009			EN ISO 23936-1:2009					
PPNG1 – Composite repairs for pipework – Qualification and design, installation, testing and inspection	ISO TS 24817:2006			CEN ISO/TS 24817:2011				GSO ISO 24817:2010	
PPNG1 – Flare details for general refinery and petrochemical service	ISO 25457:2008		API Std 537:2008/ ISO 25457:2008 (IDT)	EN ISO 25457:2008				GSO ISO 25457:2009	
PPNG1 – Method of test for fire dampers	ISO TS 27469:2010			CEN ISO/TR 27469:2011					
PPNG1 – Venting of atmospheric and low-pressure storage tank	ISO 28300:2008 + COR:2009		API Std 2000:2009/ ISO 28300:2008 (IDT)	EN ISO 28300:2008 + Cor 1:2009				GSO ISO 28300:2008 +Cor 1:2010	
PPNG1 – Installation and equipment for liquified natural gas – ship to shore interface	ISO 28460:2010			EN ISO 28460:2010					
PPNG1 – Drilling and production equipment – Subsurface barrier valves and related equipment	ISO 28781:2010			EN ISO 28781:2010					
PPNG1 – Sector specific quality management systems – Requirements for product and service supply organisations	ISO TS 29001:2010	ABNT NBR ISO TS 29001:2010	API Spec Q1:2007+ Add 2010/ISO TS 29001:2007	CEN ISO/TS 29001:2011			GOST R ISO/TS 29001:2007	GSO ISO TS 29001:2010	ST RK ISO 29001:2006 (ISO TS 29001:2003 IDT)



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