



ISO/TC 67 N 890

CEN/TC 12 N 442

date : 2004-08-03

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TITLE : CEN/TC 12 Secretariat's report to ISO/TC 67
(October 2004- Rio de Janeiro, Brazil)

SOURCE : CEN/TC 12 Secretariat

ACTION : For information

DISTRIBUTION :
▪ CEN/TC 12 Members
▪ ISO/TC 67 Secretariat

Association reconnue
d'utilité publique
Comité membre français
du CEN et de l'ISO
Siret 775 724 818 00015
Code NAF 751 E

- 1 Title** **Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries**
- 2 Scope** Standardisation of the materials, equipment and offshore structures used in the drilling, production, transport by pipelines and processing of liquid and gaseous hydrocarbons within the petroleum, petrochemical and natural gas industries, excluding on-land supply systems used by the gas supply industry and those aspects of offshore structures covered by IMO requirements (ISO/TC8).
The standardisation is to be achieved wherever possible by the adoption of ISO standards.
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5 Structure (No WG, Drafts elaborated by ISO/TC 67)

- ✓ CEN/TC 12 AH 4 "Parallel voting of ISO/CEN Standards" A. Loppinet - FR
- ✓ CEN/TC 12 AH 6 "Environmental aspects" A. Loppinet - FR
- ✓ CEN/TC 12 AH 7 "Smart Reservoir TN5"

CEN/TC 12 Ad Hoc disbanded :

- ✓ CEN/TC 12 CAG "Equivalence of references" Disbanded - Resolution 15/2000
- ✓ CEN/TC 12 AH 1 "GATT impact" Disbanded in 1995 - Resolution 8/1996
- ✓ CEN/TC 12 AH 2 "Normative references" Disbanded in 1995 - Resolution 14/1996
- ✓ CEN/TC 12 AH 3 "CEN/TC 12-CEN/TC 267 co-operation" Disbanded in 1997 - Resolution 7/1997
- ✓ CEN/TC 12 AH 5 "Piping systems" Disbanded in 2004 - Resolution 10/2004

6 Membership

CEN Members : Austria, Belgium, [Cyprus](#), Czech Republic, Denmark, [Estonia](#), Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, [Latvia](#), [Lithuania](#), Luxembourg, Malta, Netherlands, Norway, [Poland](#), Portugal, Slovakia, [Slovenia](#), Spain, Sweden, Switzerland and United Kingdom.
(New CEN members since 1st January 2004)

Affiliated : Croatia

Liaisons (other than with CEN/TCs) : CE DG XV B.4, OGP, Europa, Eurogif and ISO/TC 67

7 TCS in liaison : See Doc CEN/TC 12 N 256rev2

8 Meetings

- ✓ Last meeting : 4/5 February 2004 in Brussels
- ✓ Next meeting : 2/3 February 2005 in Brussels

9 Work Programme : See details in Doc CEN/TC 12 N 443

- **64** EN standards (61 EN ISO & 3 EN) and **1** CEN/TR (CEN/TR 14549) adopted
 - 4 publications since January 2004 : EN ISO 10427-2, EN ISO 10417, EN ISO 13710 & CEN/TR 14549
 - Withdrawal of EN ISO 10423 : 2001
- **70** Work Items in the programme of work :
 - **2** EN ISO & **1** EN standard to be ratified (EN ISO 10423, EN ISO 10424-1 & EN 14870-1)
 - 2 NWI to be included (prEN ISO 13503-4 & prEN ISO 13503-5)

10 Main issues since the last ISO/TC 67 meeting

▪ New CEN Members (since January 2004)

Since 1st January 2004, the following countries became CEN members :

- Estonia (4 pts)
- Lithuania (7 pts)
- Poland (27 pts)
- Slovenia (4 pts)
- Cyprus (4pts)

Therefore new weighted vote have been attributed for all the CEN members, in accordance with the Treaty of Nice.

▪ Pipeline transportation issues

Further to resolution ISO/TC 67n°4/2003 (& resolution CEN/TC 12 14/2004) , CEN/TC 12 's chairman contacted the CEN/TC 234 chairman in order to evaluate ways to combine EN 14161 : 2003 (ISO 13623 : 2000 modified) and EN 1594 : 2000.

A meeting has been held in May 2004 between CEN/TC 12 representatives and CEN/TC 234. During the last ISO/TC 67 SC2 meeting it has been decided to create a Task Group with three representatives from CEN/TC 234 and three from ISO/TC 67 SC2. This Task Group will have to present a proposal to the both committees by end of 2004.

STANDARDS to be published

STANDARD Nb	N°WI	TITLE	TC LEADER	COMMENTS
PrEN 14870-1 (ISO 15590-1: 2001 modified)	96	P&NGI - Induction bends, fittings and flanges for pipelines transportation systems - Part 1: Induction bends (ISO 15590-1: 2001 modified)	CEN/TC 12 - ISO/TC 67/SC 2	UAP closed on 2004-05-27. Adopted
pr EN ISO 10423	158	P&NGI – Drilling and production equipment - Wellhead and christmas tree equipment	ISO/TC 67 SC4	UAP (3 months) closed on 2004-06-04. One further month requested by A CEN Member. Adopted
PrEN ISO 10424-1	121	P&NGI - Rotary drilling equipment - Part 1 : Specification for rotary drilling equipment	ISO/TC 67/SC 4	FDIS/Formal closed on 2004-07-27. Adopted

FORMAL VOTE IN PROGRESS

STANDARD Nb	N°WI	TITLE	TC LEADER	COMMENTS
Pr EN ISO 21329	149	P&NGI -Pipeline transportation systems - Test procedures for mechanical connectors	ISO TC 67/SC 2	FDIS/Formal until 2004-08-17
Pr EN ISO 19901-2	135	P&NGI - Specific requirements for offshore structures - Part 2: Seismic design procedures and criteria	ISO/TC 67/SC 7	FDIS/Formal until 2004-09-29

UAP IN PROGRESS

STANDARD Nb	N°WI	TITLE	TC LEADER	COMMENTS
prEN 14870-2 (ISO 15590-2: 2003 modified)	97	P&NGI - Induction bends, fittings and flanges for pipelines transportation systems - Part 2: Fittings (ISO 15590-2: 2003 modified)	CEN/TC 12 - ISO/TC 67/SC 2	UAP (Doc sent to CEN/CMC on 2004-01-05) UAP until 2004-07-29
PrEN 14919-1, ISO 15589-1 modified	115	P&NGI - Cathodic protection for pipeline transportation systems - Part 1 : On land pipelines	CEN/TC 12 -ISO/TC 67/SC 2	Request to CEN/CMC (2003-12-09). UAP until 2004-07-29
prEN ISO 10426-3	143	P&NGI - Cements and materials for well cementing -- Part 3: Testing of deepwater well cement formulations	ISO/TC 67/SC 3	UAP until 2004-08-26
prEN ISO 10427-3	156	P&NGI - Equipment for well cementing -- Part 3: Performance testing of cementing float equipment	ISO/TC 67 SC3	UAP until 2004-08-26
pr EN ISO 13626	51	P&NGI - Drilling and production equipment - Specification for drilling and well servicing structures	ISO/TC 67 SC4	UAP until 2004-08-26

prEN ISO 21049	144	Pumps -- Shaft sealing systems for centrifugal and rotary pumps	JWG ISO/TC 115 SC3 - ISO/TC 67/SC6	UAP until 2004-11-20
PrEN ISO 10426-4	148	P&NGI - Cements and materials for well cementing - Part 4 : Preparation and testing of foamed cement slurries at atmospheric pressure	ISO/TC 67/SC 3	UAP until 2004-11-20

FORMAL VOTE TO BE LAUNCHED

STANDARD Nb	N°WI	TITLE	TC LEADER	COMMENTS
Pr EN ISO 17078-1	117	P&NGI - Drilling and production equipment - Part 1 : Side pocket mandrels	ISO/TC 67/SC 4	CEN Enquiry closed on 2003-07-27
Pr EN ISO 11960	140	P&NGI - Steel pipes for use as casing or tubing for wells (rev EN ISO 11960 : 2001)	TC 67/SC 5	CEN Enquiry closed on 2004-01-07
Pr EN ISO 10432	139	P&NGI -Downhole equipment-Subsurface safety valve equipment (rev EN ISO 10432 : 1999)	TC 67/SC 4	CEN Enquiry closed on 2003-12-10

UAP TO BE LAUNCHED

STANDARD Nb	N°WI	TITLE	TC LEADER	COMMENTS
Pr EN ISO 13503-1	168	P&NGI – Completion fluids and materials. Part 1 : procedure for measuring viscous properties of completion fluids	ISO TC 67/SC 3	UAP will start on 2004-08-05 until 2005-01-05

PARALLEL ENQUIRIES CLOSED

STANDARD Nb	N°WI	TITLE	Closed	ISO Result	CEN Result	TC LEADER	COMMENTS
prEN ISO 13628-1	141	P&NGI - Design and operation of subsea production systems - Part 1 : General requirements and recommendations (rev EN ISO 13628-1 : 1999)	04-01-28	Yes		TC 67/SC 4	
prEN ISO 13680	150	P&NGI - Corrosion resistant alloy seamless tubes for use as casing, tubing and coupling stock - Technical delivery conditions (rev EN ISO 13680 : 2001)	04-01-28			TC 67/SC 5	
prEN ISO 19901-1	134	P&NGI - Specific requirements for offshore structures - Part 1: Metocean design and operating considerations	04-02-18			TC 67/SC 7	
prEN ISO 13628-6	145	P&NGI --Design and operation of subsea production systems -- Part 6: Subsea production control systems	04-06-15	Yes		TC 67/SC 4	
PrEN ISO 13628-2	159	P&NGI- Design and operation of subsea production systems -- Part 2: Flexible pipe systems for subsea and marine applications	04-06-15	Yes		TC 67/SC 4	

PARALLEL ENQUIRY IN PROGRESS (ISO/DIS - CEN/Enquiry)

STANDARD Nb	N°WI	TITLE	TC LEADER	COMMENTS
prEN ISO 19901-7	153	P&NGI - Specific requirements for offshore structures - Part 7 : stationkeeping systems for floating offshore structures and mobile offshore units	ISO/TC 67/SC 7	DIS/CEN Enq until 2004-08-18
PrEN ISO 13706	129	P&NGI – Air cooled heat exchangers for general refinery service	ISO/TC 67 SC6	DIS/CEN Enq until 2004-09-01
PrEN ISO 10424-2	122	P&NGI – Rotary drilling equipment – Part 2 : Threading, gauging and testing of rotary shouldered threaded connections	ISO/TC 67 SC4	DIS/CEN Enq until 2004-09-22
PrEN ISO 16070	162	P&NGI - Downhole equipment -Lock mandrels and landing nipples	ISO/TC 67 SC4	DIS/CEN Enq until 2004-09-29
PrEN ISO 16708	103	P&NGI – Pipeline Design, operation and maintenance – Reliability-based limit state method	ISO/TC 67 SC4	DIS/CEN Enq until 2004-10-06
PrEN ISO 10440-1	142	P&NGI – Rotary-type positive displacement compressors – Part 1 : Process compressors (oil free)	ISO/TC 118 SC1	DIS/CEN Enq until 2004-10-20
Pr EN ISO 15547-1	146	P&NGI – Plate heat exchangers - Part 1 : Plate and frame type	ISO/TC 67 SC 6	DIS/CEN Enq until 2004-11-26
Pr EN ISO 15547-2	147	P&NGI – Plate heat exchangers - Part 2 : Brazed aluminium platefin type	ISO/TC 67 SC 6	DIS/CEN Enq until 2004-11-26
prEN ISO 13503-3	174	P&NGI - Completion fluids and materials - Part 3: Testing of heavy brines -	ISO/TC 67/SC 3	DIS/CEN Enq until 2004-12-20

STANDARDS PUBLISHED

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STANDARD Nb	TITLE	TC LEADER	STANDARD Nb	TITLE	TC LEADER
EN ISO 11961 : 1996 (in revision - WI 66)	P&NGI - Steel pipes for use as drill pipe - Specification (ISO 11961 : 1996)	ISO/TC 67/SC 5	EN ISO 13628-2 : 2000 (in revision - WI 159)	P&NGI - Design and operation of subsea production systems - Part 2: Flexible pipe systems for subsea and marine applications	ISO/TC 67/SC4
EN ISO 13500 : 1998 (in revision - WI 163)	P&NGI - Drilling fluid materials - Specifications and tests	ISO/TC 67/SC 3	EN ISO 10440-1: 2000 (in revision - WI 142)	P&NGI - Rotary-type positive displacement compressors - Part 1 : Process compressors (oil free)	ISO/TC 118
EN ISO 10441 : 1999 (in revision - WI 127)	P&NGI – Flexible couplings for mechanical power transmission - Special purpose applications	ISO/TC 67/SC 6	EN ISO 13535 : 2000	P&NGI - Drilling and production equipment - Hoisting equipment	ISO/TC 67/SC4
EN ISO 13702 : 1999	P&NGI – Control and mitigation of fires and explosions on offshore production installations – Requirements and guidelines	ISO/TC 67/SC 6	EN ISO 13628-3 : 2000	P&NGI - Design and operation of subsea production systems - Part 3: Through flowline (TFL) systems	ISO/TC 67/SC4
EN ISO 13628-1 : 1999 (in revision - WI 141)	P&NGI - Design and operation of subsea production systems - Part 1 : General requirements and recommendations	ISO/TC 67/SC 4	EN ISO 13703 : 2000	P&NGI – Design and installation of piping systems on offshore production platforms	ISO/TC 67/SC6
EN ISO 13628-4 : 1999 (in revision - WI 160)	P&NGI - Design and operation of subsea production systems - Part 4 : Subsea wellhead and tree equipment	ISO/TC 67/SC 4	EN ISO 15547 : 2001 (in revision - WI 146/147)	P&NGI - Plate heat exchangers (ISO 15547 : 2000)	ISO/TC 67 SC 6
EN ISO 10432 : 1999 (in revision - WI 139)	P&NGI – Downhole equipment - Subsurface safety valve equipment	ISO/TC 67/SC4	EN ISO 10423 : 2001 (in revision - WI 158)	P&NGI – Drilling and production equipment – Wellhead and christmas tree equipment	ISO/TC 67/SC 4
EN ISO 10426-1 : 2000	P&NGI – Cements and materials for well cementing - Part 1: Specification	ISO/TC 67/SC 3	EN ISO 15136-1: 2001	Downhole equipment P&NGI - Progressing cavity pumps systems for artificial lift - Part 1 : Pumps	ISO/TC 67/SC 4
EN ISO 13706 : 2000 (in revision - WI 129)	P&NGI – Air-cooled heat exchangers	ISO/TC 67/SC 6	EN ISO 10427-1 : 2001	P&NGI – Equipment for well cementing - Part 1: Casing bow-spring centralizers	ISO/TC 67/SC 3
EN ISO 14691 : 2000 (in revision - WI 128)	P&NGI - Flexible couplings for mechanical power transmission - General purpose applications (ISO 14691 : 99)	ISO/TC 67/SC 6	EN ISO 11960 : 2001 (in revision - WI 140)	P&NGI - Steel pipes for use as casing or tubing for wells (revision of EN ISO 11960 : 1998)	ISO/TC 67/SC 5
EN ISO 15138 : 2000	P&NGI –Offshore production installations - Heating, ventilation and air-conditioning	ISO/TC 67/SC 6	EN ISO 13680 : 2001 (in revision - WI 150)	P&NGI - Corrosion resistant alloy seamless for use as casing, tubing and coupling stock - Technical delivery conditions	ISO/TC 67/SC 5
EN ISO 13534 : 2000	P&NGI - Drilling and production equipment - Inspection, maintenance, repair and remanufacture of hoisting equipment.	ISO/TC 67/SC4	EN ISO 13533 : 2001	P&NGI - Drilling and production equipment - Drill through equipment	ISO/TC 67/SC 4
			EN ISO 10440-2 : 2001	P&NGI - Rotary-type positive displacement compressors - Part 2 : Packaged air compressors (oil free)	ISO/TC 118

STANDARDS PUBLISHED

CEN/TC 12 N 442

STANDARD Nb	TITLE	TC LEADER	STANDARD Nb	TITLE	TC LEADER
EN ISO 14310 : 2001	P&NGI - Downhole equipment - Packers and bridge plugs	ISO/TC 67/SC 4	EN ISO 14692-4 : 2002	P&NGI - Glass-reinforced plastics (GRP) piping - Part 4: Fabrication, installation and operation	ISO/TC 67/SC6
EN ISO 14723 : 2001	P&NGI - Pipeline transportation systems - Subsea pipeline valves	ISO/TC 67/SC 2	EN ISO 15546 : 2002	P&NGI -- Aluminium alloy drill pipe	ISO/TC 67
EN ISO 13705 : 2001 (in revision - WI 151)	P&NGI - Fired heaters for general refinery service	ISO/TC 67/SC 6	EN ISO 15761 : 2002	Steel gate, globe and check valves for sizes DN 100 and smaller for P&NGI	ISO/TC 153 C1
EN ISO 15156-1 : 2001	P&NGI - Materials for use in H2S containing environments in oil and gas production - Part 1 : General principles	ISO/TC 67	EN ISO 10442 : 2002	Petroleum, chemical and gas service industries - Packaged, integrally geared centrifugal air compressors for general refinery service	ISO/TC 118
EN ISO 16070 : 2001 (in revision - WI 162)	P&NGI - Downhole equipment - Lock mandrels and landing nipples	ISO/TC 67/SC 4	EN ISO 3977-5 : 2003	Gas turbines - Procurement - Part 5 : Applications for Petroleum and natural gas industries	ISO/TC 192
EN 14163 : 2001	P&NGI - Pipeline transportation systems - Welding of pipelines (ISO 13847, 2000 modified)	CEN/TC 12 (ISO/TC 67/SC 2)	EN ISO 10437 : 2003	Petroleum, petrochemical and natural gas industries – Steam turbines – Special-purpose applications	ISO/TC 67 SC6
EN ISO 17776 : 2002	P&NGI - Offshore production installations - Guidelines on tools and techniques for hazard identification and risk assessment	ISO/TC 67/SC 6	EN ISO 19901-5 : 2003	P&NGI - Specific requirements for offshore structures Part 5 : Weight control during engineering and construction	ISO/TC 67 SC7
EN ISO 13631 : 2002	P&NGI - Packaged reciprocating gas compressors	ISO/TC 118	EN 13942 : 2003	P&NGI – Pipeline transportation systems - Pipeline valves (ISO 14313: 1999 modified)	CEN/TC 12 (ISO/TC 67/SC 2)
EN ISO 10439 : 2002	Petroleum, chemical and gas service industries - Centrifugal compressors	ISO/TC 118	EN ISO 19901-4 : 2003	P&NGI - Specific requirements for offshore structures - Part 4 : Geotechnical and foundation design considerations	ISO/TC 67 SC7
EN ISO 13691 : 2002	P&NGI - High-speed special purpose gear units	ISO/TC 118	EN ISO 13709 : 2003	Centrifugal pumps for petroleum, heavy-duty chemical and gas services	JWG ISO/TC115 SC3 - ISO/TC 67/SC6
EN ISO 19900 : 2002	P&NGI - General requirements for offshore structures	ISO/TC 67 SC7	EN ISO 10418 : 2003	P&NGI - Offshore production installations - Analysis, design, installation and testing of basic surface process safety systems	ISO/TC 67 SC6
EN ISO 13625 : 2002	P&NGI - Drilling and production equipment - Design, rating, manufacturing and testing of marine drilling riser couplings	ISO/TC 67 SC4	EN ISO 10426-2 : 2003	P&NGI - Cements and materials for well cementing - Part 2 : Testing of well cements	ISO/TC 67 SC3
EN ISO 14692-1 : 2002	P&NGI - Glass-reinforced plastics (GRP) piping - Part 1: Vocabulary, symbols, applications and materials	ISO/TC 67/SC6	EN ISO 16812 : 2003 (in revision - WI 161)	P&NGI - Shell and tube heat exchangers	ISO/TC 67 SC6
EN ISO 14692-2 : 2002	P&NGI - Glass-reinforced plastics (GRP) piping - Part 2 : Qualification and manufacture	ISO/TC 67/SC6	EN ISO 15463 : 2003	P&NGI - Field inspection of new casing, tubing and plain end drill pipe	ISO/TC 67 SC5
EN ISO 14692-3 : 2002	P&NGI - Glass-reinforced plastics (GRP) piping - Part 3: System design	ISO/TC 67/SC6	EN ISO 14693: 2003	P&NGI - Drilling and well-servicing equipment	ISO/TC 67 SC4

STANDARDS PUBLISHED

STANDARD Nb	TITLE	TC LEADER
EN ISO 15156-2 : 2003	P&NGI - Materials for use in H ₂ S containing environments in oil and gas production - Part 2 : Cracking resistant carbon and low alloy steels, and the use of cast irons	ISO/TC 67 WG7
EN ISO 15156-3 : 2003	P&NGI - Materials for use in H ₂ S containing environments in oil and gas production - Part 3 Cracking resistant CRAs (corrosion-resistant alloys) and others alloys	ISO/TC 67 WG7
EN ISO 10438-1 : 2003 (in revision - WI 169)	Petroleum, petrochemical and natural gas industries- Lubrication, shaft sealing and control oil systems and auxiliaries - Part 1 : General requirements	ISO/TC 67 SC6
EN ISO 10438-2 : 2003 (in revision - WI 170)	Petroleum, petrochemical and natural gas industries - Lubrication, shaft sealing and control oil systems and auxiliaries - Part 2 : Special purpose oil systems	ISO/TC 67 SC6
EN ISO 10438-3 : 2003 (in revision - WI 171)	Petroleum, petrochemical and natural gas industries - Lubrication, shaft sealing and control oil systems and auxiliaries - Part 3 : General purpose oil systems	ISO/TC 67 SC6
EN ISO 10438-4 : 2003 (in revision - WI 172)	Petroleum, petrochemical and natural gas industries - Lubrication, shaft sealing and control oil systems and auxiliaries - Part 4 : Self-acting gas seal support systems	ISO/TC 67 SC6
EN 14161 : 2003	P&NGI - Pipeline transportation systems (ISO 13623, 2000 modified)	CEN/TC 12 (ISO/TC 67/SC 2)
CEN/TR 14549 : 2004	Guide to the use of ISO 15649 and ANSI/ASME B31.3 for piping in Europe in compliance with the Pressure Equipment Directive	CEN/TC 12
EN ISO 10427-2 : 2004	P&NGI - Equipment for well cementing -Part 2: Centralizer placement and stop collar testing	ISO/TC 67 SC3
EN ISO 10417 : 2004	P&NGI - Subsurface safety valve systems- Design, installation, repair and operation	ISO/TC 67 SC4
EN ISO 13710 :2004	Petroleum, petrochemical and natural gas industries -- Reciprocating positive displacement pumps	ISO/TC 115 SC3