

# ISO Standards for use in the oil & gas industry

ISO 10418 Basic surface safety systems  
 ISO 10423 Wellhead & christmas tree equipment  
 ISO/TR 12489 Reliability modeling/safety systems (New)  
 ISO 13533 Drill-through equipment (BOPs)  
 ISO 13534 Hoisting equipment - care/maint (Rev)  
 ISO 13535 Hoisting equipment - specification (Rev)  
 ISO 13626 Drilling and well-servicing structures  
 ISO 13702 Control & mitigation of fire & explosion  
 ISO 13703 Offshore piping systems  
 ISO 14224 Reliability/maintenance data  
 ISO 14692 GRP piping, Parts 1-4  
 ISO 14693 Drilling equipment

ISO 15156-1 Selection of cracking resistant materials for use in H<sub>2</sub>S environments  
 ISO 15156-2 Cracking-resistant steels and cast irons for use in H<sub>2</sub>S environments  
 ISO 15156-3 Cracking-resistant alloys for use in H<sub>2</sub>S environments  
 ISO 15138 HVAC  
 ISO 15544 Emergency response  
 ISO 15663 Life cycle costing, Parts 1-3  
 ISO 17776 Assessment of hazardous situations  
 ISO 20815 Production assurance and reliability management  
 ISO 21457 Materials selection  
 ISO 23936-1 Thermoplastics  
 ISO 23936-2 Elastomers (New)  
 ISO/TS 27469 Method of test for offshore fire dampers  
 ISO/TS 29001 Sector-specific quality management systems

ISO 3977-5 Gas turbines – procurement  
 ISO 10428 Sucker rods  
 ISO 10431 Pumping units  
 ISO 10434 Bolted bonnet steel gate valves  
 ISO 10437 Special-purpose steam turbines (Rev)  
 ISO 10438 Lubrication, shaft-sealing and control-oil systems, Parts 1-4  
 ISO 10439 Centrifugal compressors (Rev)  
 ISO 10440-1 Rotary-type positive-displacement process compressors (oil-free)  
 ISO 10440-2 Rotary PD packaged air compressors  
 ISO 10441 Flexible couplings – special  
 ISO 10442 Integrally geared air compressors  
 ISO 12211 Spiral plate heat exchangers (New)  
 ISO 12212 Harpin heat exchangers (New)  
 ISO 13631 Reciprocating gas compressors  
 ISO 13691 High speed enclosed gear units  
 ISO 13704 Calculation of heater tube thickness  
 ISO 13705 Fired heaters for general service (Rev)  
 ISO 13706 Air-cooled heat exchangers (Rev)  
 ISO 13707 Reciprocating compressors  
 ISO 13709 Centrifugal pumps  
 ISO 13710 Reciprocating positive displacement pumps (Rev)

ISO 14691 Flexible couplings – general  
 ISO 15547-1 Plate & frame type heat exchangers  
 ISO 15547-2 Braze aluminium platefin type heat exchangers  
 ISO 15649 Piping  
 ISO 15761 Steel valves DN 100 and smaller  
 ISO 16812 Shell & tube heat exchangers  
 ISO 17292 Metal ball valves  
 ISO 21049 Centrifugal and rotary pumps shaft sealing (Rev)  
 ISO 23251 Pressure-relieving and depressuring systems (Rev)  
 ISO/TS 24817 Composite repair of pipework  
 ISO 25457 Flares details  
 ISO 27509 Compact flanged connections (New)  
 ISO 28300 Venting of storage tanks  
 ISO 28460 LNG - Ship to shore interface

ISO 13624-1 Marine drilling riser systems  
 ISO/TR 13624-2 Marine drilling riser system analysis  
 ISO 13625 Marine drilling riser couplings  
 ISO 19901-7 Station-keeping systems for floating offshore structures (Rev)  
 ISO 19904-1 Floating offshore structures

ISO 19900 Offshore structures - general requirements  
 ISO 19901-1 Metocean design and operating considerations  
 ISO 19901-2 Seismic design  
 ISO 19901-3 Topsides structure  
 ISO 19901-4 Geotechnical and foundation design  
 ISO 19901-5 Weight control  
 ISO 19901-6 Marine operations  
 ISO 19902 Fixed steel offshore structures  
 ISO 19903 Fixed concrete offshore structures  
 ISO 19905-1 Jack-ups (New)  
 ISO/TR 19905-2 Jack-ups commentary (New)  
 ISO 19906 Arctic offshore structures

ISO 3183 Steel pipe for pipeline transportation systems (Rev)  
 ISO 12490 Actuation, mechanical integrity and sizing for pipeline valves (New)  
 ISO/TS 12747 Pipeline life extension (New)  
 ISO 13623 Pipeline transportation systems  
 ISO 13847 Pipeline welding (Rev)  
 ISO 14313 Pipeline valves  
 ISO 14723 Subsea pipeline valves  
 ISO 15589-1 Cathodic protection for on-land pipelines (Rev)  
 ISO 15589-2 Cathodic protection for offshore pipelines (Rev)  
 ISO 15590-1 Pipeline induction bends  
 ISO 15590-2 Pipeline fittings (Rev)  
 ISO 15590-3 Pipeline flanges (Rev)  
 ISO 16708 Pipeline reliability-based limit state design  
 ISO 21329 Test procedures for pipeline mechanical connectors  
 ISO 21809-1 Polyolefin coatings (3-layer PE and 3-layer PP) (New)  
 ISO 21809-2 Fusion-bonded epoxy coatings (Rev)  
 ISO 21809-3 Field joint coatings (Amd)  
 ISO 21809-4 Polyethylene coatings (2-layer PE)  
 ISO 21809-5 External concrete coatings

ISO 13628-1 Subsea production systems (Amd)  
 ISO 13628-2 Subsea flexible pipe systems  
 ISO 13628-3 Subsea TFL pumpdown systems  
 ISO 13628-4 Subsea wellhead and tree equipment  
 ISO 13628-5 Subsea control umbilicals  
 ISO 13628-6 Subsea production controls  
 ISO 13628-7 Completion/workover riser system  
 ISO 13628-8 ROT and interfaces (Rev)

ISO 13628-9 ROT intervention systems  
 ISO 13628-10 Bonded flexible pipe  
 ISO 13628-11 Flexible pipe systems for subsea and marine applications  
 ISO 13628-15 Subsea structures and manifolds (New)  
 ISO 13628-16 Spec for flexible pipe ancillary equipment (New)  
 ISO 13628-17 RP for flexible pipe ancillary equipment (New)

ISO 10427-2 Centralizer placement and stop-collar testing  
 ISO 10427-3 Performance testing of cement float equipment  
 ISO 10432 Subsurface safety valves  
 ISO 11960 Casing and tubing (Rev)  
 ISO 11961 Drill pipe  
 ISO 13085 Tubing aluminium alloy pipes (New)  
 ISO 13500 Drilling fluids (Amd)  
 ISO 13501 Drilling fluids - processing systems evaluation (Rev)  
 ISO 13503-1 Measurement of viscous properties of completion fluids (Rev)  
 ISO 13503-2 Measurement of properties of proppants  
 ISO 13503-3 Testing of heavy brines  
 ISO 13503-4 Measurement of stimulation & gravelpack fluid leakoff  
 ISO 13503-5 Measurement of long term conductivity of proppants  
 ISO 13503-6 Measurement of leak-off of completion fluids under dynamic conditions (New)  
 ISO 13678 Thread compounds  
 ISO 13679 Casing and tubing connections testing (Rev)

ISO 13680 CRA seamless tubes for casing & tubing  
 ISO 14310 Packers and bridge plugs  
 ISO 15136-1 Progressing cavity pump systems  
 ISO 15136-2 Progressing cavity pump systems - drive heads  
 ISO 15463 Field inspection of new casing, tubing and plain end drill pipe  
 ISO 15464 Gauging and inspection of threads  
 ISO 15546 Aluminium alloy drill pipe (Rev)  
 ISO 16070 Lock mandrels and landing nipples  
 ISO 17078-1 Side-pocket mandrels (Amd)  
 ISO 17078-2 Flow control devices for side-pocket mandrels  
 ISO 17078-3 Latches & seals for side-pocket mandrels & flow control devices  
 ISO 17078-4 Side-pocket mandrels and related equipment  
 ISO 17824 Sand control screens  
 ISO 20312 Design of aluminium drill string (New)  
 ISO 27627 Aluminium drill pipe thread gauging (New)  
 ISO 28781 Subsurface tubing mounted formation barriers

ISO/TR 10400 Calculations for OCTG performance properties  
 ISO 10405 Care/use of casing/tubing  
 ISO 10407-1 Drill stem design  
 ISO 10407-2 Inspection and classification of drill stem elements  
 ISO 10414-1 Field testing of water-based fluids  
 ISO 10414-2 Field testing of oil-based drilling fluids (Rev)  
 ISO 10416 Drilling fluids - lab testing  
 ISO 10417 Subsurface safety valve systems  
 ISO 10424-1 Rotary drill stem elements

ISO 10424-2 Threading and gauging of connections  
 ISO 10426-1 Well cementing  
 ISO 10426-2 Testing of well cements (Rev)  
 ISO 10426-3 Testing of deepwater well cement  
 ISO 10426-4 Preparation and testing of atmospheric foamed cement slurries  
 ISO 10426-5 Shrinkage and expansion of well cement  
 ISO 10426-6 Static gel strength of cement formulations  
 ISO 10427-1 Bow spring casing centralizers



Standards in **brown** issued in 2011

Standards in **green** are a priority for 2012 issue

These ISO standards are only a core collection of several hundreds of International Standards available for the oil & gas industry