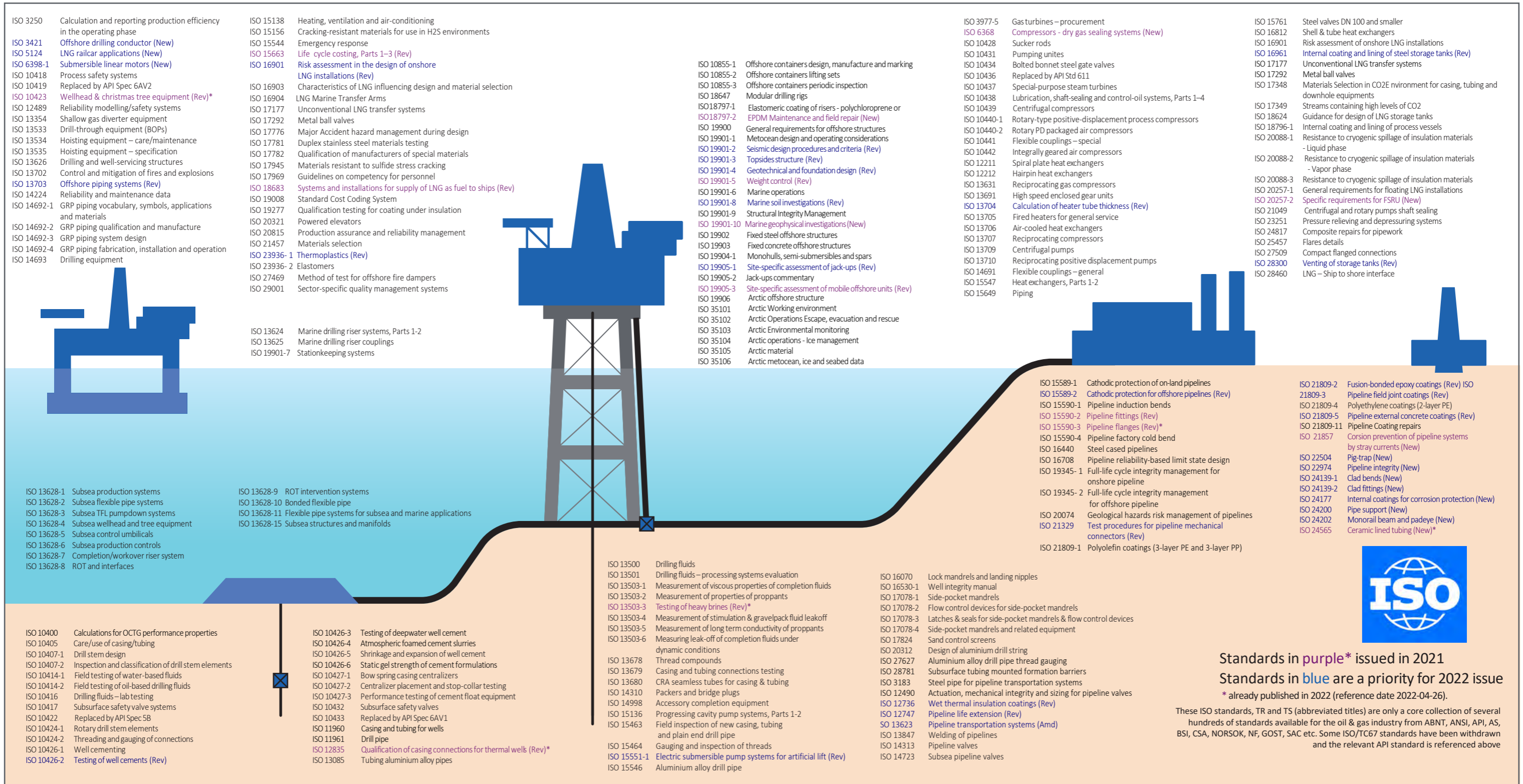


ISO Standards for use in the oil & gas industry



- ISO 3250 Calculation and reporting production efficiency in the operating phase
- ISO 3421 Offshore drilling conductor (New)
- ISO 5124 LNG railcar applications (New)
- ISO 6398-1 Submersible linear motors (New)
- ISO 10418 Process safety systems
- ISO 10419 Replaced by API Spec 6AV2
- ISO 10423 Wellhead & christmas tree equipment (Rev)*
- ISO 12489 Reliability modelling/safety systems
- ISO 13354 Shallow gas diverter equipment
- ISO 13533 Drill-through equipment (BOPs)
- ISO 13534 Hoisting equipment – care/maintenance
- ISO 13535 Hoisting equipment – specification
- ISO 13626 Drilling and well-servicing structures
- ISO 13702 Control and mitigation of fires and explosions
- ISO 13703 Offshore piping systems (Rev)
- ISO 14224 Reliability and maintenance data
- ISO 14692-1 GRP piping vocabulary, symbols, applications and materials
- ISO 14692-2 GRP piping qualification and manufacture
- ISO 14692-3 GRP piping system design
- ISO 14692-4 GRP piping fabrication, installation and operation
- ISO 14693 Drilling equipment

- ISO 15138 Heating, ventilation and air-conditioning
- ISO 15156 Cracking-resistant materials for use in H2S environments
- ISO 15544 Emergency response
- ISO 15663 Life cycle costing, Parts 1–3 (Rev)
- ISO 16901 Risk assessment in the design of onshore LNG installations (Rev)
- ISO 16903 Characteristics of LNG influencing design and material selection
- ISO 16904 LNG Marine Transfer Arms
- ISO 17177 Unconventional LNG transfer systems
- ISO 17292 Metal ball valves
- ISO 17776 Major Accident hazard management during design
- ISO 17781 Duplex stainless steel materials testing
- ISO 17782 Qualification of manufacturers of special materials
- ISO 17945 Materials resistant to sulfide stress cracking
- ISO 17969 Guidelines on competency for personnel
- ISO 18683 Systems and installations for supply of LNG as fuel to ships (Rev)
- ISO 19008 Standard Cost Coding System
- ISO 19277 Qualification testing for coating under insulation
- ISO 20321 Powered elevators
- ISO 20815 Production assurance and reliability management
- ISO 21457 Materials selection
- ISO 23936-1 Thermoplastics (Rev)
- ISO 23936-2 Elastomers
- ISO 27469 Method of test for offshore fire dampers
- ISO 29001 Sector-specific quality management systems

- ISO 10855-1 Offshore containers design, manufacture and marking
- ISO 10855-2 Offshore containers lifting sets
- ISO 10855-3 Offshore containers periodic inspection
- ISO 18647 Modular drilling rigs
- ISO 18797-1 Elastomeric coating of risers - polychloroprene or EPDM Maintenance and field repair (New)
- ISO 18797-2 EPDM Maintenance and field repair (New)
- ISO 19900 General requirements for offshore structures
- ISO 19901-1 Metocean design and operating considerations
- ISO 19901-2 Seismic design procedures and criteria (Rev)
- ISO 19901-3 Topsides structure (Rev)
- ISO 19901-4 Geotechnical and foundation design (Rev)
- ISO 19901-5 Weight control (Rev)
- ISO 19901-6 Marine operations
- ISO 19901-8 Marine soil investigations (Rev)
- ISO 19901-9 Structural Integrity Management
- ISO 19901-10 Marine geophysical investigations (New)
- ISO 19902 Fixed steel offshore structures
- ISO 19903 Fixed concrete offshore structures
- ISO 19904-1 Monohulls, semi-submersibles and spars
- ISO 19905-1 Site-specific assessment of jack-ups (Rev)
- ISO 19905-2 Jack-ups commentary
- ISO 19905-3 Site-specific assessment of mobile offshore units (Rev)
- ISO 19906 Arctic offshore structure
- ISO 35101 Arctic Working environment
- ISO 35102 Arctic Operations Escape, evacuation and rescue
- ISO 35103 Arctic Environmental monitoring
- ISO 35104 Arctic operations - Ice management
- ISO 35105 Arctic material
- ISO 35106 Arctic metocean, ice and seabed data

- ISO 3977-5 Gas turbines – procurement
- ISO 6368 Compressors - dry gas sealing systems (New)
- ISO 10428 Sucker rods
- ISO 10431 Pumping units
- ISO 10434 Bolted bonnet steel gate valves
- ISO 10436 Replaced by API Std 611
- ISO 10437 Special-purpose steam turbines
- ISO 10438 Lubrication, shaft-sealing and control-oil systems, Parts 1–4
- ISO 10439 Centrifugal compressors
- ISO 10440-1 Rotary-type positive-displacement process compressors
- 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
- ISO 12212 Hairpin heat exchangers
- ISO 13631 Reciprocating gas compressors
- ISO 13691 High speed enclosed gear units
- ISO 13704 Calculation of heater tube thickness (Rev)
- ISO 13705 Fired heaters for general service
- ISO 13706 Air-cooled heat exchangers
- ISO 13707 Reciprocating compressors
- ISO 13709 Centrifugal pumps
- ISO 13710 Reciprocating positive displacement pumps
- ISO 14691 Flexible couplings – general
- ISO 15547 Heat exchangers, Parts 1-2
- ISO 15649 Piping

- ISO 15761 Steel valves DN 100 and smaller
- ISO 16812 Shell & tube heat exchangers
- ISO 16901 Risk assessment of onshore LNG installations
- ISO 16961 Internal coating and lining of steel storage tanks (Rev)
- ISO 17177 Unconventional LNG transfer systems
- ISO 17292 Metal ball valves
- ISO 17348 Materials Selection in CO2E environment for casing, tubing and downhole equipments
- ISO 17349 Streams containing high levels of CO2
- ISO 18624 Guidance for design of LNG storage tanks
- ISO 18796-1 Internal coating and lining of process vessels
- ISO 20088-1 Resistance to cryogenic spillage of insulation materials - Liquid phase
- ISO 20088-2 Resistance to cryogenic spillage of insulation materials - Vapor phase
- ISO 20088-3 Resistance to cryogenic spillage of insulation materials
- ISO 20257-1 General requirements for floating LNG installations
- ISO 20257-2 Specific requirements for FSRU (New)
- ISO 21049 Centrifugal and rotary pumps shaft sealing
- ISO 23251 Pressure relieving and depressuring systems
- ISO 24817 Composite repairs for pipework
- ISO 25457 Flares details
- ISO 27509 Compact flanged connections
- ISO 28300 Venting of storage tanks (Rev)
- ISO 28460 LNG – Ship to shore interface

- ISO 13628-1 Subsea production systems
- 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

- ISO 13624 Marine drilling riser systems, Parts 1-2
- ISO 13625 Marine drilling riser couplings
- ISO 19901-7 Stationkeeping systems
- 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

- ISO 13500 Drilling fluids
- ISO 13501 Drilling fluids – processing systems evaluation
- ISO 13503-1 Measurement of viscous properties of completion fluids
- ISO 13503-2 Measurement of properties of proppants
- ISO 13503-3 Testing of heavy brines (Rev)*
- ISO 13503-4 Measurement of stimulation & gravelpack fluid leakoff
- ISO 13503-5 Measurement of long term conductivity of proppants
- ISO 13503-6 Measuring leak-off of completion fluids under dynamic conditions
- ISO 13678 Thread compounds
- ISO 13679 Casing and tubing connections testing
- ISO 13680 CRA seamless tubes for casing & tubing
- ISO 14310 Packers and bridge plugs
- ISO 14998 Accessory completion equipment
- ISO 15136 Progressing cavity pump systems, Parts 1-2
- ISO 15463 Field inspection of new casing, tubing and plain end drill pipe
- ISO 15464 Gauging and inspection of threads
- ISO 15551-1 Electric submersible pump systems for artificial lift (Rev)
- ISO 15546 Aluminium alloy drill pipe

- ISO 16070 Lock mandrels and landing nipples
- ISO 16530-1 Well integrity manual
- ISO 17078-1 Side-pocket mandrels
- 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
- ISO 27627 Aluminium alloy drill pipe thread gauging
- ISO 28781 Subsurface tubing mounted formation barriers
- ISO 3183 Steel pipe for pipeline transportation systems
- ISO 12490 Actuation, mechanical integrity and sizing for pipeline valves
- ISO 12736 Wet thermal insulation coatings (Rev)
- ISO 12747 Pipeline life extension (Rev)
- ISO 13623 Pipeline transportation systems (Amd)
- ISO 13847 Welding of pipelines
- ISO 14313 Pipeline valves
- ISO 14723 Subsea pipeline valves

- ISO 15589-1 Cathodic protection of on-land pipelines
- 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 15590-4 Pipeline factory cold bend
- ISO 16440 Steel cased pipelines
- ISO 16708 Pipeline reliability-based limit state design
- ISO 19345-1 Full-life cycle integrity management for onshore pipeline
- ISO 19345-2 Full-life cycle integrity management for offshore pipeline
- ISO 20074 Geological hazards risk management of pipelines
- ISO 21329 Test procedures for pipeline mechanical connectors (Rev)
- ISO 21809-1 Polyolefin coatings (3-layer PE and 3-layer PP)

- ISO 21809-2 Fusion-bonded epoxy coatings (Rev)
- ISO 21809-3 Pipeline field joint coatings (Rev)
- ISO 21809-4 Polyethylene coatings (2-layer PE)
- ISO 21809-5 Pipeline external concrete coatings (Rev)
- ISO 21809-11 Pipeline Coating repairs
- ISO 21857 Corrosion prevention of pipeline systems by stray currents (New)
- ISO 22504 Pig-trap (New)
- ISO 22974 Pipeline integrity (New)
- ISO 24139-1 Clad bends (New)
- ISO 24139-2 Clad fittings (New)
- ISO 24177 Internal coatings for corrosion protection (New)
- ISO 24200 Pipe support (New)
- ISO 24202 Monorail beam and padeye (New)
- ISO 24565 Ceramic lined tubing (New)*

NORSOK Standards for use in the oil and gas industry

M-001 Materials selection
M-004 Piping and equipment insulation
M-101 Structural steel fabrication
M-102 Structural aluminium fabrication
M-120 Material data sheets for structural steel
M-121 Aluminium structural material
M-122 Cast structural steel
M-123 Forged structural steel
M-501 Surface preparation and protective coating
M-503 Cathodic protection
M-506 CO2 corrosion rate calculation model
M-601 Welding and inspection of piping
M-630 Material data sheets and element data sheets for piping

P-002 Process system design
R-001 Mechanical equipment
R-002 Lifting equipment
R-003 Safe use of lifting equipment
I-001 Field instrumentation
I-002 Safety and automation system (SAS)
L-001 Piping and valves
L-002 Piping system layout, design and structural analysis
L-003 Piping details
L-004 Piping fabrication, installation, flushing and testing
L-005 Compact flanged connections
H-002 Sanitary systems
H-003 Heating, ventilation and air conditioning (HVAC)

S-001 Technical safety
S-002 Working environment
S-003 Environmental care
T-101 Telecom systems
T-003 Telecom systems for mobile offshore units
E-001 Electrical systems
C-001 Living quarters area
C-002 Architectural components and equipment
C-004 Helicopter decks on offshore installations

N-001 Integrity of offshore structures
N-003 Actions and action effects
N-004 Design of offshore structures
N-005 In-service integrity management of structures and marine systems
N-006 Assessment of structural integrity for existing offshore load-bearing structures

M-650 Qualification of manufacturers of special materials
M-710 Qualification of non-metallic sealing materials and manufacturers
WA-S-006 HSEQ evaluation of suppliers and HSEQ requirements in contract
R-005 Safe use of lifting and transport equipment in onshore petroleum plants

U-001 Subsea production systems
U-009 Life extension for subsea systems
U-100 Manned underwater operations
U-101 Diving respiratory equipment
U-102 Remotely operated vehicle (ROV) services
U-103 Petroleum related manned underwater operations inshore

Y-002 Life extension for transportation systems

Z-001 Documentation for operation (DFO)
Z-CR-002 Component identification system
Z-DP-002 Coding system
Z-003 Technical information flow requirements
Z-004 CAD symbol libraries
Z-005 2D-CAD drawing standard
Z-006 Preservation
Z-007 Mechanical completion and commissioning
Z-008 Risk based maintenance and consequence classification
Z-013 Risk and emergency preparedness assessment
Z-015 Temporary equipment
Z-018 Supplier's documentation of equipment

I-106 Fiscal metering systems for hydrocarbon liquid and gas

D-001 Drilling facilities
D-002 Well intervention equipment
D-007 Well testing systems
D-010 Well integrity in drilling and well operations

The depths of knowledge in deepwater standards.

Offshore Structures

Fixed Steel Platforms

API RP 2A-WSD

Tension Leg Platforms

API RP 2T

Floating Production Systems

API RP 2FPS

Cranes

API Spec 2C - Offshore Cranes
API RP 2D - Operation/Maintenance

Risers/Mooring

API Spec 2F - Mooring Chain
API RP 2I - In-Service Inspection
API RP 2RD - FPS/TLP Risers
API 2S - Windless Wildcats
API RP 2SK - Stationkeeping
API RP 2SM - Synthetic Ropes
API RP 17G - Completion/Workover Risers (ISO 13628-7)

Other Offshore/ Subsea Standards

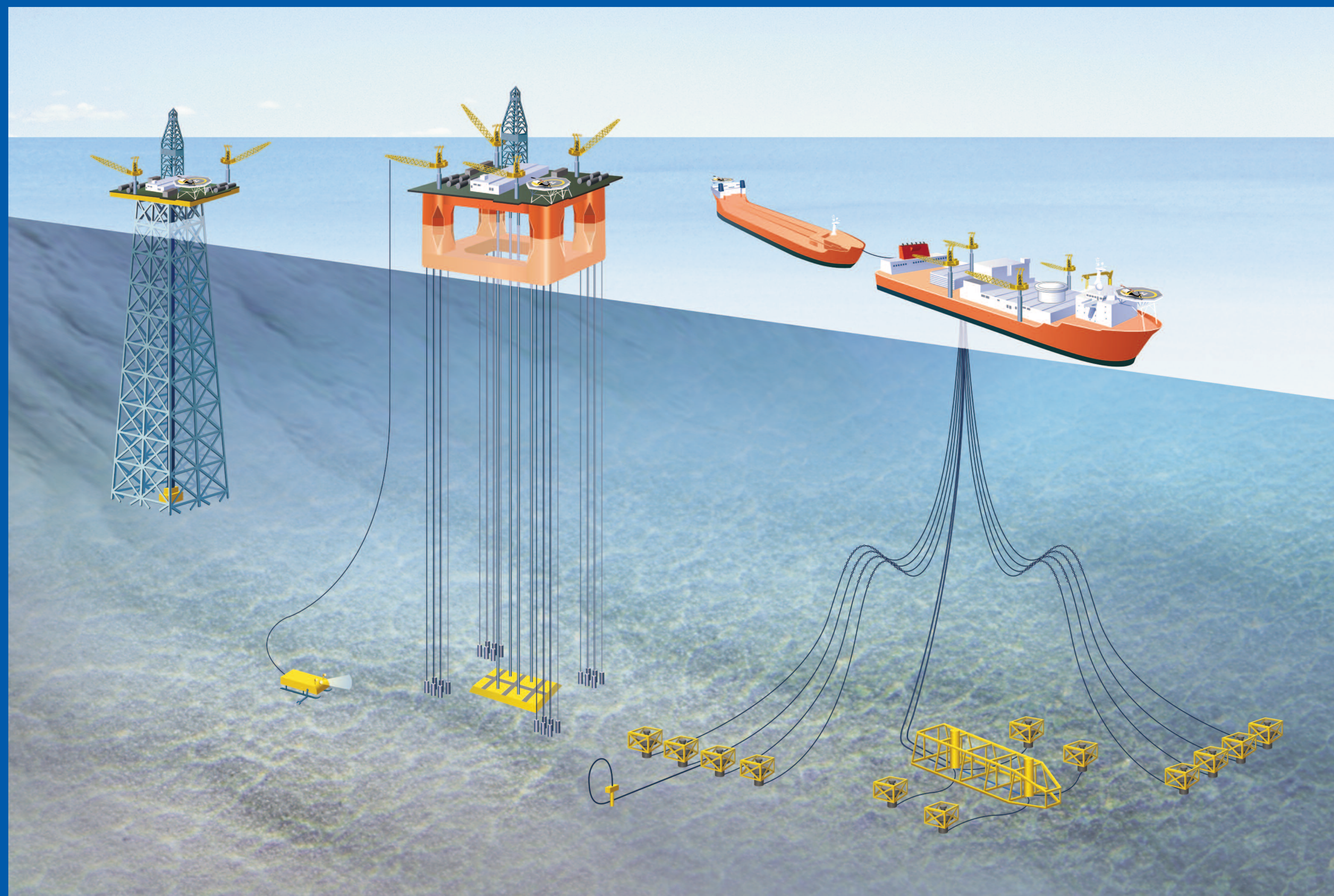
API Spec 2B - Structural Pipe
API Spec 2H - Steel Plate
API RP 2L - Heliports
API Spec 2MT1- Steel Plate
API Spec 2MT2 - Rolled Shapes
API RP 2N - Arctic Structures
API 2U - Cyl. Shell Stability
API 2V - Flat Plate
API Spec 2W - Steel Plate
API RP 2X - UT/Magnetic Examination
API Spec 2Y - Steel Plate
API RP 2Z - Steel Plate
API 2TD - Tie-Downs
API 4F - Drilling Structures

Hurricane Guidance

API 2INT-MET - Metocean
API 2INT-DG - Hurricane Design
API 2INT-EX - Platform Assessment

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Offshore Safety/ Anti-Pollution

API Spec 14A - SSSV (ISO 10432)
API RP 14B - Design/Repair SSSV
API RP 14C - Safety Systems
API RP 14E - Platform Piping
API RP 14F - Electrical Systems
API RP 14FZ - Electrical Systems
API RP 14G - Fire Prevention
API RP 14H - SSV/USV
API RP 14J - Hazards Analysis
API RP 75 - SEMP

Subsea Production

API RP 17A - General Design (ISO 13628-1)
API RP 17C - TFL (ISO 13628-3)
API Spec 17D - Wellhead/Tree (ISO 13628-4)
API Spec 17E - Control Umbilicals (ISO 13628-5)
API Spec 17F - Control Systems (ISO 13628-6)
API RP 17H - ROVs (ISO 13628-8)
API RP 17M - ROTs (ISO 13628-9)

Flexible Pipe

API RP 17B - General Design
API Spec 17J - Unbonded Pipe (ISO 13628-2)
API Spec 17K - Bonded Pipe



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API Standards for Safe Offshore Operations

RP 2A-WSD	Planning, Designing, and Constructing Fixed Offshore Platforms—Working Stress Design	RP 2	Planning, Designing and Constructing Heliports for Fixed Offshore Platforms	RP 14E	Design and Installation of Offshore Production Platform Piping Systems	RP T-6	Recommended Practice for Training and Qualification of Personnel in Well Control Equipment and Techniques for Wireline Operations on Offshore Locations
SPEC 2C	Offshore Pedestal-Mounted Cranes	RP 2MET/ISO 19901-1:2006	Deprivation of Metocean Design and Operating Conditions	RP 14F	Design, Installation, and Maintenance of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class I, Division 1, and Division 2 Locations	RP T-7	Training of Personnel in Rescue of Person in Water
RP 2D	Operation and Maintenance of Offshore Cranes	RP 2MOP/ISO 19901-6:2009	Marine Operations	RP 14FZ	Design, Installation, and Maintenance of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class I, Zone 0, Zone 1, and Zone 2 Locations	RP T-8	Fundamental Safety Training for Offshore Personnel
RP 2EQ/ISO 19901-2:2004*	Seismic Design Procedures and Criteria for Offshore Structures	RP 2N/ISO 19906:2010	Rolled Shapes with Improved Notch Toughness	RP 14G	Fire Prevention and Control on Fixed Open-Type Offshore Production Platforms	SPEC Q1	Quality Management System Requirements for Manufacturing Organizations for the Petroleum and Natural Gas Industry
SPEC 2F	Mooring Chain	STD 2RD	Dynamic Risers for Floating Production Systems	RP 14J	Design and Hazards Analysis for Offshore Production Facilities	SPEC Q2	Quality Management System Requirements for Service Supply Organizations for the Petroleum and Natural Gas Industries
RP 2FB	Design of Offshore Facilities Against Fire and Blast Loading	RP 2SIM	Structural Integrity Management of Fixed Offshore Structures	SPEC 14L/ISO 16070:2005	Lock Mandrels and Landing Nipples	RP 75	Development of a Safety and Environmental Management Program for Offshore Operations and Facilities
RP 2GEO/ISO 19901-4:2003	Geotechnical and Foundation Design Considerations	RP 2T	Planning, Designing and Constructing Tension Leg Platforms	BULL 91	Planning and Conducting Surface Preparation and Coating Operations for Oil and Natural Gas Drilling and Production Facilities in a Marine Environment	SPEC 4F	Drilling and Well Servicing Structures
BULL 2HINS	Guidance for Post-Hurricane Structural Inspection of Offshore Structures	BULL 2TD	Guidelines for Tie-Downs on Offshore Production Facilities for Hurricane Season	RP T-1	Orientation Programs for Personnel Going Offshore for the First Time	SPEC 7K	Drilling and Well Servicing Equipment
RP 2I	In-Service Inspection of Mooring Hardware for Floating Structures	RP 2X	Ultrasonic and Magnetic Examination of Offshore Structural Fabrication and Guidelines for Qualification of Technicians	RP T-2	Recommended Practice for Qualification Programs for Offshore Production Personnel Who Work with Safety Devices		

SPEC 16A	Drill-Through Equipment	RP 92U	Underbalanced Drilling Operations	SPEC 17E/ISO 13628-5:2009	Subsea Umbilicals	RP17V	Analysis, Design, Installation, and Testing of Safety Systems for Subsea Applications
SPEC 16C	Choke and Kill Equipment	RP 96	Deepwater Well Design and Construction	SPEC 17F	Subsea Production Control Systems	RP17W	Recommended Practice for Subsea Capping Stacks
SPEC 16D	Control Systems for Drilling Well Control Equipment and Control Systems for Diverter Equipment	BULL 97	Well Construction Interface Document Guidelines	RP 17G/ISO 13628-7:2005	Completion/Workover Riser	TR 17TR1	Evaluation Standard for Internal Pressure Sheath Polymers for High Temperature Flexible Pipes
SPEC 16F	Marine Drilling Riser Equipment	RP 98	Personal Protective Equipment Selection for Oil Spill Responders	RP 17H	Remotely Operated Tools and Interfaces on Subsea Production Systems	TR 17TR2	The Aging of PA-11 In Flexible Pipes
RP 16Q	Design, Selection, Operation and Maintenance of Marine Drilling Riser Systems	RP 2FPS	Planning, Designing, and Constructing Floating Production Systems	SPEC 17J	Unbonded Flexible Pipe	TR 17TR3	An Evaluation of the Risks and Benefits of Penetrations in Subsea Wellheads Below the BOP Stack
SPEC 16R	Marine Drilling Riser Couplings	RP 2SK	Design and Analysis of Stationkeeping Systems for Floating Structures	SPEC 17K/ISO 13628-10:2005	Bonded Flexible Pipe	TR 17TR4	Subsea Equipment Pressure Ratings
SPEC 16RCD	Drill Through Equipment—Rotating Control Devices	RP 2SM	Design, Manufacture, Installation, and Maintenance of Synthetic Fiber Ropes for Offshore Mooring	SPEC 17L1	Flexible Pipe Ancillary Equipment	TR 17TR5	Avoidance of Blockages in Subsea Production Control and Chemical Injection Systems
RP 16ST	Coiled Tubing Well Control Equipment Systems	TR 1PER15K-1	Protocol for Verification and Validation of High-Pressure High-Temperature Equipment	RP 17L2	Flexible Pipe Ancillary Equipment	TR 17TR6	Attributes of Production Chemicals in Subsea Production Systems
STD 53	Blowout Prevention Equipment Systems for Drilling Wells	SPEC 6DSS/ISO 14723:2009	Subsea Pipeline Valves	RP 17N	Subsea Production System Reliability and Technical Risk Management	TR 17TR8	High-pressure High-temperature Design Guidelines
RP 59	Well Control Operations	RP 17A/ISO 13628-1:2005	Design and Operation of Subsea Production Systems—General Requirements and Recommendations	RP 17O	Subsea High Integrity Pressure Protection Systems (HIPPS)	RP 65	Cementing Shallow Water Flow Zones in Deepwater Wells
STD 64	Diverter Systems Equipment and Operations	RP 17B	Flexible Pipe	RP17P/ISO 13628-1:2005	Design and Operation of Subsea Production Systems—Subsea Structures and Manifolds	ST 65-2	Isolating Potential Flow Zones During Well Construction
RP 68	Oil and Gas Well Servicing and Workover Operations Involving Hydrogen Sulfide	RP 17C/ISO 13628-3:2000	TFL (Through Flowline) Systems	RP17Q	Subsea Equipment Qualification—Standardized Process for Documentation	RP 70	Security for Offshore oil and Natural Gas Operations
RP 90	Annular Casing Pressure Management for Offshore Wells	SPEC 17D/ 13628-4 2010	Design and Operation of Subsea Production Systems—Subsea Wellhead and Tree Equipment	RP17R	Flowline Connectors and Jumpers	RP 70I	Security for Worldwide Offshore Oil and Natural Gas Operations
				RP17U	Wet and Dry Thermal Insulation of Subsea Flowlines and Equipment	SPEC 6A/ISO 10423: 2009	Specification for Wellhead and Christmas Tree Equipment



API has published 275 standards that apply to offshore oil and gas operations under its accredited standards program. This poster includes over 100 of those standards, focusing on some of the more prominent documents that cover fixed offshore platforms, drilling operations, floating production systems, and subsea completion equipment.