## Technické Standardy Rafinerie - seznam (verze 39 - 2015)

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3.67.40.31 Design and fabrication of MV metal-enclosed interrupter switchgear for North American applications (amendments/supplements to IEEE C37.20.3: 2006)
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37.19.00.11	Offshore structures - Weight control during engineering and construction (amendments/supplements to ISO 19901-5)
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37.19.00.14	Seismic design procedures and criteria - offshore (amendments/supplements to ISO 19901-2)
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37.19.10.31	Glass reinforced plastic (GRP) gratings for offshore installations
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37.80.00.30	Design and operation of subsea production systems (based on ISO 13628)
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37.80.00.35	Subsea pipeline valves (amendments/supplements to ISO 14723)
37.80.00.35	Subsea pipeline valves (amendments/supplements to ISO 14723)
37.80.00.36	Deepwater subsea vertical tree systems (amendments/supplements to ISO 13628-4)
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37.80.01.30	High pressure subsea valves (amendments/supplements to section 7.10 of ISO 13628-4/API 17D)
37.80.01.30	High pressure subsea valves (amendments/supplements to section 7.10 of ISO 13628-4/API 17D)
37.80.02.31	Seamless super duplex tubing manufacturing specification for umbilicals and subsea distribution hardware
	Seam welded super duplex tubing manufacturing specification for umbilicals and subsea distribution hardware
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	Medium voltage, 6kV (Um = 7.2kV) to 30kV (Um = 36kV), power conductors for deepwater umbilicals
	Deepwater umbilical manufacturing (amendments/supplements to ISO 13628-5: 2002)
	Deepwater subsea controls, power, and chemical distribution manufacturing specification
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03.30 Umbilical transportation and installation (amendments/supplements to ISO 13628-5: 2002)
Deepwater subsea distribution hardware installation
10.30 Deepwater subsea completion/workover systems (amendments/supplements to ISO 13628-7)
30.30 Deepwater subsea hardware ROV interfaces (amendments/supplements to API RP 17H)
00.11 Offshore coordination team management and construction hook-up work planning
10.10 Generic design and analysis for steel catenary risers and catenary umbilical systems for offshore structures
10.12 Design of anchor piles for deepwater mooring systems (based on API RP 2SK)
10.13 Global design and analysis of permanently moored deepwater floating production systems (amendments/supplements to API RP 2FPS, API RP 2SK and API RP 2SM)
10.14 Global design and analysis of deepwater tension leg platforms (amendments/supplements to API RP-2T)
10.15 Pipe-soil interaction on a normally consolidated clay seabed
10.15 Pipe-soil interaction on a normally consolidated clay seabed
10.19 Marine operations requirements - Loadout, transportation and installation deepwater structures (amendments/supplements to ISO 19901-6 or API RP 2MOP)
10.20 Design of driven pile foundations for tension leg platforms (based on API RP 2T)
10.21 Structural design of tendon systems for deepwater offshore tension leg platforms (amendments/supplements to API RP 2T)
10.30 Design, fabrication and testing requirements for deepwater project VIV suppression strakes for SCR's, TTR's, umbilicals, TLP tendons and jumpers
10.31 Structural steel design of small deepwater offshore skids, facility packages, and subsea sleds and manifolds (based on AISC Steel Construction Manual ASD, API RP 2A-WSD and AWS D1.1)
10.32 Structural steel fabrication of small deepwater offshore skids, facility packages, and subsea sleds and manifolds (based on AISC Steel Construction Manual ASD, API RP 2A-WSD and AWS D1.1)
10.33 Structural welding and inspection of deepwater floating production systems (amendments/supplements to AWS D1.1/D1.1M: 2008)
10.34 Structural fabrication of deepwater floating production systems (based on API RP 2FPS)
10.38 Design, fabrication and testing requirements of permanent VIV suppression fairing systems for offshore structures
20.30 Manufacture, testing, and inspection of carbon and low-alloy steel castings Grades 345-586 N/mm2 (50-85 KSI) for primary steel applications in deepwater offshore structures and pipelines
20.31 Galvanic anodes for marine structures and pipelines - Specification and qualification - Modifications to ISO 15589-2
20.33 Manufacture, testing, and inspection of weldable structural steel plate grades 345 552 N/mm2 (50-80 ksi) for special/critical steel applications in deepwater offshore structures (based on ASTM A20)
20.34 Manufacture, testing, and inspection of weldable structural steel plate grades 345-552 N/mm2 (50-80 ksi) for primary steel applications in deepwater offshore structures (based on ASTM A6)
20.36 Syntactic foam buoyancy modules for use in deepwater offshore dynamic riser applications
20.37 Manufacture, testing, and inspection of carbon and low-alloy steel forgings for special/critical steel applications in deepwater offshore structures and pipelines
20.38 Manufacture, testing, and inspection of weldable structural rolled shapes grades 345-483 N/mm2 (50-70 KSI) for primary steel applications in deepwater offshore structures (based on ASTM A6)
20.39 Manufacture, testing, and inspection of carbon and low-alloy steel forgings for primary steel applications in deepwater offshore structures and pipelines (based on ASTM A788, ASTM A961 and MSS SP-75)
20.40 Impressed current laboratory testing of aluminum alloy anodes (amendments/supplements to NACE Std TM0190-2006)
20.41 Laboratory testing of metals for resistance to sulfide stress cracking and stress corrosion cracking in H2S environments (amendments/supplements to NACE TM0177:2005)
21.30 Manufacture, testing, and inspection of permanent mooring system chain and accessories for floating structures (based on DNV-OS-E302)
21.31 Permanent mooring system wire rope, sockets, pins and connectors for deepwater floating structures (based on DNV-OS-E304)
21.32 Surface preparation, materials, application, and quality control testing of aluminum-ceramic basecoat with resin-bonded fluorocarbon topcoat coating systems for deepwater offshore equipment
21.33 Surface preparation, materials, application, and quality control testing of low friction corrosion resistant fluorocarbon coating systems for deepwater offshore equipment
21.34 Thermal-sprayed ceramic coating requirements
21.35 General requirements for top-tensioned riser, tendon and mooring equipment for deepwater floating production systems
40.30 Syntactic foam insulation for flowlines
40.31 Welding of deepwater pipelines, flowlines and steel catenary risers (amendments and supplements to API 1104)
40.32 Automated ultrasonic inspection (AUT) of girth welds for carbon steel and CRA lined pipelines, flowlines and catenary risers
40.34 Insulation for pipe-in-pipe (PIP) flowlines
40.35 Deepwater collet type connector systems
40.38 Deepwater subsea manifold system (amendments/supplements to ISO/DIS 13628-15 2009 and API RP 17P 2009)
40.39 Welding of subsea hardware and tie-in components (amendments/supplements to ASME boiler and pressure vessel code section IX)
40.39 Welding of subsea hardware and tie-in components (amendments/supplements to ASME boiler and pressure vessel code section IX)
40.40 External Monel clad riser pipe
40.41 Hyperbaric welding of pipelines (amendments/supplements to ISO 13847)
41.30 Onshore fabrication of deepwater pipelines, flowlines, risers and their appurtenances
41.33 Offshore construction specification for deepwater pipelines, flowlines and risers
41.35 Offshore pipeline and umbilical/cable crossings
41.36 Deepwater syntactic foam insulation for subsea structures  41.36 Deepwater syntactic foam insulation for subsea structures
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	Qualification of insulation for deepwater applications
	9-5/8 inch riser threaded connector, gauging specification/quality plan
	10-3/4 inch riser threaded connector, gauging specification/quality plan
	12-3/4 inch riser threaded connector, gauging specification/quality plan
	14 inch riser threaded connector, gauging specification/quality plan
	Unbonded flexible pipe for offshore applications (amendments/supplements to ISO 13628-2 & ISO 13628-11)
	Deepwater pipeline end terminations and midline sleds
	ROV operations for work class vehicles
37.81.42.35	Qualification of girthweld inspection with automated ultrasonic inspection (AUT) systems
37.90.10.32	Dynamically positioned (DP) vessels for construction, drilling/completions/well intervention activities - Selection and operation
37.90.10.34	Selection and application of synthetic rope for wet towing of large offshore structures
	Selection and application of synthetic rope for wet towing of large offshore structures
37.91.10.10	Single point mooring (SPM) systems
37.91.10.11	Mobile mooring systems (endorsement of API RP 2SK, API RP 2SM and API RP 2I)
37.91.10.30	Mooring and berthing systems, including fenders, quick release hooks, and docking aid systems
37.91.10.94	Mooring system
37.91.20.30	Oil loading and discharge hoses for offshore mooring installations (amendments/supplements to OCIMF Guide)
37.92.10.30	Offshore pedestal-mounted cranes (amendments/supplements to API Spec 2C)
38.80.00.10	Standard for global wells manuals
38.80.10.30	Drilling fluid materials - Specifications and tests (Endorsement of ISO 13500)
38.80.10.31	Field testing of drilling fluids - Water based fluids (endorsement of ISO 10414-1)
38.80.10.32	Field testing of drilling fluids - Oil-based fluids (amendments/supplements to ISO 10414-2)
38.80.10.33	Measurement of viscous properties of completion fluids (Endorsement of ISO 13503-1)
38.80.10.34	Drilling fluids - Laboratory testing (Endorsement of ISO 10416)
38.80.10.35	Drilling and fluids materials - Drilling fluids - Processing systems evaluation (Endorsement of ISO 13501)
38.80.10.36	Completion fluids and materials - Testing of heavy brines (endorsement of ISO 13503-3)
38.80.10.37	Completion fluids and materials - Procedures for measuring the long-term conductivity of proppants (endorsement of ISO 13503-5)
38.80.10.38	Procedure for measuring stimulation and gravel-pack fluid leakoff under static conditions (endorsement of ISO 13503-4)
38.80.10.39	Completion fluids and materials - Measurement of properties of proppants used in hydraulic fracturing and gravel-packing operations (endorsement of ISO 13503-2)
38.80.20.30	Specifications for cements and materials for well cementing (endorsement of ISO 10426-1)
38.80.20.31	Testing of well cements (Endorsement of ISO 10426-2)
38.80.20.32	Performance testing of cementing float equipment (endorsement of ISO 10427-3)
38.80.20.33	Bow-spring casing centralizers (Endorsement of ISO 10427-1)
38.80.20.34	Centralizer placement and stop-collar testing (Endorsement of ISO 10427-2)
38.80.20.35	Testing of deepwater well cement formulations (Endorsement of ISO 10426-3)
38.80.20.36	Determination of shrinkage and expansion of well cement formulations at atmospheric pressure (Endorsement of ISO 10426-5)
38.80.20.37	Preparation and testing of foamed cement slurries at atmospheric pressure (Endorsement of ISO 10426-4)
38.80.30.31	Drilling and production hoisting equipment (Endorsement of ISO 13535)
38.80.30.32	Inspection, maintenance, repair and remanufacture of hoisting equipment (Endorsement of ISO 13534)
	Drilling and well servicing equipment (Endorsement of ISO 14693)
	Steel drill pipe with weld-on tool joints (amendments/supplements to ISO 11961)
	Aluminium alloy drill pipe (Endorsement of ISO 15546)
	Marine drilling riser couplings (Endorsement of ISO 13625)
	Rotary drilling equipment - Threading and gauging of rotary shouldered thread connections (endorsement of ISO 10424-2)
	Drill-through equipment (Endorsement of ISO 13533)
	Drilling and well servicing structures (Endorsement of ISO 13626)
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	Onshore production installations - Basic process safety systems
	Selection of materials for life cycle performance (Upstream facilities) - Materials selection process
	Selection of materials for life cycle performance (Upstream facilities) - Equipment
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	Selection of materials for carbon capture and sequestration systems
	Specification for nickel base alloy 625 PLUS (UNS N07716) and alloy 725 (UNS N07725) for oil and gas drilling and production equipment
	Specification for nickel base alloy 718 (UNS N07718) for oil and gas drilling and production equipment (amendments/supplements to API Standard 6A718)
	Floating structure top-tensioned riser seamless tubular requirements
	Materials requiring specific approval (upstream facilities)
	Care and use of casing and tubing (endorsement of ISO 10405)
	Testing procedures for casing and tubing connections (Endorsement of ISO 13679)
	Evaluation and testing of thread compounds for use with casing, tubing and line pipe (Endorsement of ISO 13678)
39.01.20.34	Field inspection of new casing, tubing and plain-end drill pipe (Endorsement of ISO 15463)
	TLP tendon and floating structure top-tensioned riser seam-welded tubular requirements
39.01.20.36	TLP tendon and floating structure top-tensioned riser girth welding and inspection requirements
39.01.30.30	Wellhead and christmas tree equipment (amendments and supplements to ISO 10423)
	Downhole equipment - Subsurface safety valves (endorsement of ISO 10432)
39.01.30.34	Downhole equipment - Packers and bridge plugs (Endorsement of ISO 14310)
39.01.30.35	Downhole equipment - Lock mandrels and landing nipples (Endorsement of ISO 16070)
	Downhole equipment - Side-pocket mandrels (endorsement of ISO 17078-1)
	Downhole equipment - Flow control devices for side-pocket mandrels (endorsement of ISO 17078-2)
	Seawater injection facilities
39.01.40.30	Seawater injection facilities
39.01.40.31	Produced water treatment and injection facilities
39.01.40.31	Produced water treatment and injection facilities
39.29.10.30	Downhole equipment - Progressive cavity pumps for artificial lift (Endorsement of ISO 15136-1)
39.29.10.31	Downhole equipment - Progressing cavity pump systems for artificial lift - Surface-drive systems (endorsement of ISO 15136-2)
39.40.20.32	Elastomeric flexible elements for use in TLP tendons
40.10.01.12	Polyester rope for deepwater mooring (amendments/supplements to abs guidance notes on the application of fiber rope for offshore mooring)
44.24.32.30	Unshaped refractory materials for monolithic refractory linings
44.24.32.30	Unshaped refractory materials for monolithic refractory linings
44.24.32.31	Classification of unshaped refractory lining materials
44.24.32.31	Classification of unshaped refractory lining materials
44.24.32.32	Specification for sampling and testing of unshaped refractory lining materials
44.24.32.32	Specification for sampling and testing of unshaped refractory lining materials
44.24.32.33	Specification for anchoring systems of unshaped refractory lining materials
44.24.32.33	Specification for anchoring systems of unshaped refractory lining materials
44.24.32.34	High temperature insulating materials for refractory applications
44.24.32.34	High temperature insulating materials for refractory applications
44.24.90.31	Refractory bricks and shapes
44.24.90.32	Classification of refractory bricks and shapes
44.24.90.33	Specification for sampling and testing of refractory bricks and shapes
44.24.90.34	Classification, specification and testing for ancillary materials for refractory brick construction
44.24.90.35	Specification and quality control for precast or specialty cast refractory baffle wall tile (shapes)
60.00.10.13	Mobile crane foundation assessment
61.10.08.11	Field inspection prior to commissioning of mechanical equipment
61.38.10.10	Shop and field fabrication of orifice meter runs
61.40.20.30	Welding of pipelines and related facilities (amendments/supplements to ISO 13847:2000)
61.40.20.31	Field welding of duplex and super duplex stainless steel pipelines (amendments/supplements to API 1104)
61.40.20.36	Welding of CRA-clad or CRA-lined pipe materials (amendments/supplements to API 1104: 20th edition)
	Inspection and functional testing of instruments
	Field commissioning of electrical installations and equipment
63.10.08.14	Field commissioning and testing of electrical installations and equipment for North American application
63.20.08.10	Electrical installation for North American application
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	Refractory linings for sulphur recovery units (Claus and SCOT)
64.24.32.12	Refractory lining for fluidized catalytic cracking unit (FCCU)
64.24.32.30	Insulating and dense refractory concrete linings
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64.24.32.33	Guidelines for curing, drying and firing of unshaped refractory lining materials
64.24.32.34	Refractory contractor selection and applicator qualification for installation of unshaped refractory lining materials
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64.24.32.35	Construction design details of unshaped refractory materials
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	Protective coatings for offshore facilities
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	Area classification
80.00.10.11	Layout of onshore facilities
80.00.10.12	Layout of offshore facilities
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	Breathing air and supply systems
	Breathing air and supply systems
	Relief devices - Selection, sizing and specification
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80.47.10.33	Fire-fighting vehicles and fire stations
80.64.10.10	Electrical safety rules
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	Control and mitigation of fires and explosions on offshore production installations (amendments/supplements to ISO 13702:1999)
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	Offshore production installations - Guidelines on tools and techniques for identification and assessment of hazardous events (amendments/supplements to ISO 17776)
	Offshore facilities life-saving appliance requirements
	Offshore facilities life-saving appliance requirements
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