

Standards Manager Web Standards List

SHELL-Shell Oil Company

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517	33.67.01.32	Design and fabrication of LV switchgear for North American applications	2016	SHELL	30

518	33.66.05.36	MV induction motors for North American application (amendments/supplements to API 541)	2016	SHELL	24
519	33.65.50.31	Static DC uninterruptible power supply (DC UPS) units	2016	SHELL	45
520	33.64.10.17	Application of protective functions for electrical systems	2016	SHELL	78
521	32.30.20.11	Fire, gas and smoke detection systems	2016	SHELL	62
522	31.29.12.31	Positive displacement pumps - controlled volume (amendments/supplements to API 675)	2016	SHELL	22
523	31.38.60.10	Hot-tapping on pipelines, piping and equipment	2016	SHELL	46
524	37.91.10.30	NULL	2016	SHELL	46
525	37.81.10.15	Pipe-Soil Interaction on a Soft Clay Seabed	2016	SHELL	22
526	37.81.10.16	Geotechnical Design Foundations for Deepwater Subsea Systems	2016	SHELL	19
527	37.81.10.12	Design of anchor piles for deepwater mooring systems (based on API RP 2SK)	2016	SHELL	31
528	39.01.40.30	Seawater Injection Facilities	2016	SHELL	29
529	37.81.42.30	Unbonded flexible pipe for offshore applications (amendments/supplements to ISO 13628-2 & ISO 13628-11)	2016	SHELL	25
530	37.91.20.30	Oil loading and discharge hoses for offshore mooring installations (amendments/supplements to OCIMF Guide)	2016	SHELL	13
531	64.24.32.11	Refractory linings for sulphur recovery units (Claus and SCOT)	2015	SHELL	43
532	37.80.30.30	NULL	2015	SHELL	13
533	37.81.20.41	NULL	2015	SHELL	12
534	39.01.10.33	NULL	2015	SHELL	48
535	39.01.20.35	NULL	2015	SHELL	27
536	31.40.30.36	Elastomer coatings and monel sheathing for offshore riser protection	2015	SHELL	49
537	32.71.00.14	Telecommunications towers and guyed masts	2015	SHELL	28
538	34.51.01.37	NULL	2015	SHELL	103
539	34.51.01.32	Full containment refrigerated LNG tanks	2015	SHELL	107
540	33.68.30.35	NULL	2015	SHELL	26
541	34.19.19.11	Grouting of equipment and structure bases	2015	SHELL	15
542	37.00.10.14	NULL	2015	SHELL	25
543	37.19.00.11	NULL	2015	SHELL	24
544	37.80.02.37	Deepwater subsea controls, power, and chemical distribution manufacturing specification	2015	SHELL	70
545	31.21.01.13	Welded plate-bloc heat exchangers Application, design and fabrication	2015	SHELL	34
546	31.21.01.11	Printed circuit heat exchangers - Selection and application	2015	SHELL	16
547	30.75.10.31	Gas turbine heat recovery steam generators	2015	SHELL	78
548	31.24.00.10	Post combustion NOx control for fired equipment (amendments/supplements to API RP 536)	2015	SHELL	33
549	31.22.10.35	Manufacturing report for pressure vessels	2014	SHELL	12
550	31.29.70.31	Gas turbines for the petroleum, chemical, and gas industry services (amendments/supplements to API 616)	2014	SHELL	44
551	20.04.10.10	Glycol-type gas dehydration systems	2014	SHELL	33
552	31.06.15.10	Marine loading arms (amendments/supplements to OCIMF design and construction specification for marine loading arms)	2014	SHELL	40
553	31.01.10.11	Corrosion prevention and control of water injection systems	2014	SHELL	29
554	31.21.20.32	Air cooled vacuum steam condensers	2014	SHELL	31
555	37.80.10.30	Deepwater subsea completion/workover systems (amendments/supplements to ISO 13628-7)	2014	SHELL	67
556	37.80.02.31	Seamless super duplex tubing manufacturing specification for umbilicals and subsea distribution hardware	2014	SHELL	35
557	37.19.10.31	NULL	2014	SHELL	54
558	37.19.00.13	NULL	2014	SHELL	22

559	35.00.10.11	Jetty gangways	2014	SHELL	37
560	37.00.10.12	Metocean data acquisition - Real time systems	2014	SHELL	45
561	39.01.20.36	NULL	2014	SHELL	55
562	44.24.32.34	High temperature insulating materials for refractory applications	2014	SHELL	44
563	60.00.10.13	Mobile crane foundation assessment	2014	SHELL	14
564	37.81.42.35	Qualification of girthweld inspection with automated ultrasonic inspection (AUT) systems	2014	SHELL	29
565	37.81.40.32	Automated ultrasonic inspection (AUT) of girth welds for carbon steel and CRA lined pipelines, flowlines and catenary risers	2014	SHELL	48
566	76/231	NULL	2014	SHELL	7
567	76/232	NULL	2014	SHELL	8
568	37.81.21.32	NULL	2013	SHELL	16
569	37.81.21.33	NULL	2013	SHELL	16
570	37.81.40.38	Deepwater subsea manifold system (amendments/supplements to ISO/DIS 13628-15 2009 and API RP 17P 2009)	2013	SHELL	25
571	37.81.00.11	NULL	2013	SHELL	45
572	37.81.10.13	NULL	2013	SHELL	20
573	37.81.20.38	NULL	2013	SHELL	25
574	37.81.20.30	NULL	2013	SHELL	45
575	61.38.10.10	Shop and field fabrication of orifice meter runs	2013	SHELL	9
576	64.24.32.12	Refractory lining for fluidized catalytic cracking unit (FCCU)	2013	SHELL	46
577	70.08.10.11	Mechanical and electrical maintenance equipment and tools	2013	SHELL	76
578	37.80.00.36	Deepwater subsea vertical tree systems (amendments/supplements to ISO 13628-4)	2013	SHELL	62
579	37.80.00.30	Design and operation of subsea production systems (based on ISO 13628)	2013	SHELL	13
580	37.80.02.36	Deepwater umbilical manufacturing (amendments/supplements to ISO 13628-5: 2002)	2013	SHELL	38
581	37.80.03.30	Umbilical transportation and installation (amendments/supplements to ISO 13628-5: 2002)	2013	SHELL	36
582	33.67.40.31	NULL	2013	SHELL	27
583	33.68.30.31	Electrical heating system for frost heave prevention of refrigerated hydrocarbon storage tanks	2013	SHELL	15
584	32.32.00.13	Flow rate measurement in wet gas environments by means of Venturi tubes and tracer dilution technology	2013	SHELL	38
585	33.65.11.32	Packaged alternating current generator sets	2013	SHELL	35
586	33.66.05.32	NULL	2013	SHELL	22
587	32.00.00.12	Fiscal and sales allocation models for Upstream production systems	2013	SHELL	62
588	32.31.09.32	Heat exchanger instrumentation requirements for performance assessment	2013	SHELL	11
589	32.31.00.35	Smartplant instrumentation (SPI) - Project execution	2013	SHELL	32
590	31.40.21.34	Carbon and low alloy steel pipeline flanges for use in oil and gas operations (amendments/supplements to ISO 15590-3) and low temperature carbon steel flanges for piping (amendments/supplements to ASTM A350 GR LF2)	2013	SHELL	39
591	31.51.10.31	Tank mixers and agitators	2013	SHELL	21
592	31.40.30.33	Bituminous enamel coating of steel linepipe	2013	SHELL	30
593	30.48.00.34	Phosphate-conversion coatings for marine equipment	2013	SHELL	14
594	30.48.30.31	Cement lining of pipes (based on EN 10298)	2013	SHELL	16
595	30.48.60.10	Rubber-lined process equipment	2013	SHELL	18
596	30.10.60.31	Oxidation of stainless steel weldments	2013	SHELL	16
597	31.29.80.30	Spark ignited and compression ignited engines	2013	SHELL	25
598	31.38.01.21	Compilation of a specification for piping systems	2013	SHELL	9

599	31.40.21.30	Pipeline fittings (amendments/supplements to ISO 15590-2) and low temperature process piping fittings	2013	SHELL	33
600	31.21.01.35	Steam surface condensers and auxiliaries	2013	SHELL	19
601	31.27.00.29	NULL	2013	SHELL	17
602	31.27.00.30	NULL	2013	SHELL	21
603	31.27.00.31	Decanter centrifuge selection, design and manufacture	2013	SHELL	14
604	31.27.00.32	General purpose baghouse dust collectors selection, design and manufacture	2013	SHELL	20
605	31.27.00.33	Design and manufacture of rotary valves (rotary air locks)	2013	SHELL	9
606	31.29.12.30	Reciprocating positive displacement pumps (amendments/supplements to API 674)	2013	SHELL	21
607	31.29.02.31	Sealless centrifugal pumps (amendments/supplements to API 685)	2013	SHELL	24
608	31.29.00.36	Flexible couplings for mechanical power transmission - Special purpose applications (amendments/supplements to ISO 10441)	2013	SHELL	15
609	31.29.00.30	Oil mist lubrication systems	2013	SHELL	61
610	31.24.40.12	Fabric expansion joints (endorsement of RAL-GZ 719)	2012	SHELL	8
611	31.27.00.26	Trough belt conveyors	2012	SHELL	17
612	31.27.00.27	Dilute phase pneumatic conveying systems	2012	SHELL	22
613	31.27.00.28	Filter presses technology selection, design and manufacture	2012	SHELL	14
614	31.29.56.31	Steam jet vacuum ejector sets	2012	SHELL	24
615	82.00.10.10	Project quality assurance	2012	SHELL	42
616	80.45.10.13	Alternative pressure relief design for assessment of existing facilities	2012	SHELL	22
617	80.47.10.33	Fire-fighting vehicles and fire stations	2012	SHELL	48
618	64.24.32.12	Refractory lining for fluidized catalytic cracking unit (FCCU)	2012	SHELL	47
619	64.24.32.31	Construction details for refractory brick and shape construction	2012	SHELL	25
620	70.10.90.11	Spare parts	2012	SHELL	28
621	74.00.10.10	Shop and field pressure testing of piping systems	2012	SHELL	24
622	80.36.00.30	Relief devices - Selection, sizing and specification	2012	SHELL	23
623	80.45.10.10	Design of pressure relief, flare and vent systems	2012	SHELL	54
624	80.45.10.11	Overpressure and underpressure - Prevention and protection	2012	SHELL	65
625	39.01.10.12	Selection of materials for life cycle performance (Upstream facilities) - Equipment	2012	SHELL	60
626	39.01.10.30	Specification for nickel base alloy 625 PLUS (UNS N07716) and alloy 725 (UNS N07725) for oil and gas drilling and production equipment	2012	SHELL	20
627	39.01.30.30	Wellhead and christmas tree equipment (amendments and supplements to ISO 10423)	2012	SHELL	11
628	44.24.90.31	Refractory bricks and shapes	2012	SHELL	20
629	44.24.90.32	Classification of refractory bricks and shapes	2012	SHELL	15
630	44.24.90.33	Specification for sampling and testing of refractory bricks and shapes	2012	SHELL	24
631	44.24.90.34	Classification, specification and testing for ancillary materials for refractory brick construction	2012	SHELL	25
632	44.24.90.35	Specification and quality control for precast or specialty cast refractory baffle wall tile (shapes)	2012	SHELL	27
633	60.00.10.13	Mobile crane foundation assessment	2012	SHELL	13
634	61.38.10.10	Shop and field fabrication of orifice meter runs	2012	SHELL	9
635	61.40.20.36	Welding of CRA-clad or CRA-lined pipe materials (amendments/supplements to API 1104:20th edition)	2012	SHELL	48
636	63.10.08.14	Field commissioning and testing of electrical installations and equipment for North American application	2012	SHELL	45
637	37.19.00.12	Offshore topsides structures (amendments/supplements to ISO 19901-3:2010)	2012	SHELL	30
638	37.81.20.36	Syntactic foam buoyancy modules for use in deepwater offshore dynamic riser applications	2012	SHELL	20

639	37.81.21.30	Manufacture, testing, and inspection of permanent mooring system chain and accessories for floating structures (based on DNV-OS-E302)	2012	SHELL	20
640	37.81.21.31	Permanent mooring system wire rope, sockets, pins and connectors for deepwater floating structures (based on DNV-OS-E304)	2012	SHELL	18
641	37.81.21.35	General requirements for top-tensioned riser, tendon and mooring equipment for deepwater floating production systems	2012	SHELL	61
642	37.81.40.30	Syntactic foam insulation for flowlines	2012	SHELL	22
643	37.81.42.35	Qualification of girthweld inspection with automated ultrasonic inspection (AUT) systems	2012	SHELL	26
644	37.81.40.32	Automated ultrasonic inspection (AUT) of girth welds for carbon steel and CRA lined pipelines, flowlines and catenary risers	2012	SHELL	48
645	37.81.40.34	Insulation for pipe-in-pipe (PIP) flowlines	2012	SHELL	24
646	82.00.10.30	Engineering information specification (EIS)	2012	SHELL	52
647	32.30.20.18	Real-time optimization project standards	2012	SHELL	34
648	34.51.90.10	Demolition of storage tanks (endorsement of EEMUA 154)	2012	SHELL	7
649	39.40.20.32	NULL	2012	SHELL	62
650	80.10.10.31	Breathing air and supply systems	2012	SHELL	16
651	37.81.20.33	NULL	2012	SHELL	30
652	37.81.20.34	NULL	2012	SHELL	22
653	37.81.20.37	NULL	2012	SHELL	46
654	37.81.20.39	NULL	2012	SHELL	41
655	37.81.10.38	NULL	2012	SHELL	16
656	37.81.10.30	NULL	2012	SHELL	15
657	37.81.41.40	NULL	2012	SHELL	45
658	37.81.41.41	NULL	2012	SHELL	46
659	37.81.41.42	NULL	2012	SHELL	46
660	37.81.41.43	NULL	2012	SHELL	45
661	00.00.00.30	Procedure for global technical standards publications	2012	SHELL	50
662	00.00.05.05	Global technical standards index	2012	SHELL	52
663	00.00.06.06	Standard drawings index	2012	SHELL	35
664	00.00.10.05	Standard forms index	2012	SHELL	10
665	01.00.01.30	Definition of temperature, pressure and toxicity levels	2012	SHELL	23
666	01.00.09.10	Operational tagging requirements	2012	SHELL	14
667	25.80.10.10	Formation pressure prediction for development wells, appraisal wells and well entries / abandonments	2012	SHELL	9
668	30.00.60.15	Human factors engineering - Control room design	2012	SHELL	46
669	30.00.60.21	Human factors engineering - Labelling of facilities, equipment and piping	2012	SHELL	33
670	30.05.10.30	Nitrogen/oxygen supply and distribution systems	2012	SHELL	34
671	30.06.10.18	Pressurised bulk storage installations for LPG - At customer premises	2012	SHELL	69
672	30.10.01.10	Requisitions index	2012	SHELL	14
673	30.10.02.11	Metallic materials - Selected standards	2012	SHELL	75
674	30.10.02.13	Non-metallic materials - Selection and application	2012	SHELL	53
675	30.10.02.15	Materials for use in H2S-containing environments in oil and gas production (amendments and supplements to ISO 15156:2009)	2012	SHELL	29
676	30.10.05.11	Plant model construction and review	2012	SHELL	41

677	30.10.60.18	Welding of metals (amendments/supplements to API RP 582)	2012	SHELL	77
678	30.48.00.32	Coating of fasteners	2012	SHELL	17
679	30.48.40.31	Thermal spray coatings of aluminium	2012	SHELL	36
680	30.55.03.30	Validation of NDE for fabrication inspection	2012	SHELL	14
681	30.75.10.10	Steam, condensate and boiler feed water systems	2012	SHELL	36
682	30.75.10.31	Gas turbine heat recovery steam generators	2012	SHELL	71
683	31.01.10.11	Corrosion prevention and control of water injection systems (EP)	2012	SHELL	29
684	31.10.00.31	Noise control (amendments/supplements to ISO 15664)	2012	SHELL	12
685	31.10.03.10	Symbols and identification system - Mechanical	2012	SHELL	15
686	31.20.20.31	Internals for columns	2012	SHELL	60
687	31.21.01.11	Printed circuit heat exchangers - Selection and application	2012	SHELL	18
688	31.21.01.12	Shell and tube heat exchangers; Selection and application	2012	SHELL	73
689	31.21.01.13	Welded plate-bloc heat exchangers - Application, design and fabrication	2012	SHELL	37
690	31.21.01.36	Heat exchangers for packaged equipment - Design and fabrication	2012	SHELL	27
691	31.22.05.11	Gas/liquid separators - Type selection and design rules	2012	SHELL	102
692	31.22.05.12	Liquid/liquid and gas/liquid/liquid separators - Type selection and design rules	2012	SHELL	117
693	31.22.10.32	Pressure vessels; amendments/supplements to PD 5500	2012	SHELL	47
694	31.21.01.32	Plate and frame heat exchangers (amendments/supplements to ISO 15547-1:2005)	2012	SHELL	16
695	31.22.11.32	Unfired pressure vessels (amendments/supplements to EN 13445)	2012	SHELL	49
696	31.22.20.31	Pressure vessels (based on ASME Section VIII)	2012	SHELL	75
697	31.22.31.31	Pressure vessels (based on Chinese Code GB150-1998)	2012	SHELL	80
698	31.24.40.31	Materials for high-temperature conversion process furnace parts	2012	SHELL	28
699	31.27.00.20	Design and supply of bulk solids bins and hoppers	2012	SHELL	15
700	31.27.00.21	Vibrating fluid bed drier/cooler systems	2012	SHELL	14
701	31.27.00.22	Enclosed drag conveyors	2012	SHELL	15
702	31.27.00.23	General purpose screw conveyors	2012	SHELL	16
703	31.27.00.24	Loss-in-weight feeders	2012	SHELL	14
704	31.27.00.25	Pressure process filters and systems - Technology selection, design and manufacture	2012	SHELL	30
705	31.27.21.10	Filters for removing particles from hydroprocessor feeds - Type selection and design rules	2012	SHELL	31
706	31.29.00.32	Special-purpose gear units for petroleum, chemical and gas industry services (amendments/supplements to API 613)	2012	SHELL	23
707	31.29.00.41	Gears - Selection, testing and installation	2012	SHELL	22
708	31.29.22.11	Positive displacement pumps - Rotary (amendments/supplements to API 676)	2012	SHELL	17
709	31.29.40.33	Packaged integrally geared centrifugal plant and instrument air compressors (amendments/supplements to API 672)	2012	SHELL	20
710	31.29.40.34	Packaged reciprocating gas compressors (amendments/supplements to ISO 13631)	2012	SHELL	52
711	31.29.42.30	Liquid ring vacuum pumps and compressors (amendments/supplements to API STD 681)	2012	SHELL	16
712	31.29.06.31	Seawater lift pumps	2012	SHELL	30
713	31.29.47.31	Centrifugal fans for petroleum, chemical, and gas industry services (amendments/supplements to API 673)	2012	SHELL	14
714	31.29.47.32	Fans - Selection, testing and installation	2012	SHELL	14
715	31.37.00.11	Instrument air supply	2012	SHELL	34
716	31.38.01.10	Piping class - Basis of design	2012	SHELL	21
717	31.38.01.11	Piping - General requirements	2012	SHELL	201

718	31.38.01.12	Piping classes - Refining and chemicals JUMP TO INDIVIDUAL RC PIPING CLASSES	2012	SHELL	15
719	31.38.01.13	Compilation of bill of material for piping isometrics	2012	SHELL	12
720	31.38.01.15	Piping classes - Exploration and production JUMP TO INDIVIDUAL EP PIPING CLASSES	2012	SHELL	13
721	31.38.01.29	Pipe supports	2012	SHELL	29
722	31.38.01.31	Shop and field fabrication of piping	2012	SHELL	58
723	31.38.30.11	Protective steam heating of piping systems (non-electrical)	2012	SHELL	33
724	31.36.00.30	Pipeline transportation systems - Pipeline valves (amendments/supplements to ISO 14313)	2012	SHELL	29
725	31.40.10.22	Top tension riser tensioning systems	2012	SHELL	21
726	31.40.20.39	High density polyethylene pipelines and piping systems for oilfield applications	2012	SHELL	42
727	31.40.21.37	Corrosion resistant alloy overlay subsea pipe and fittings excluding line pipe	2012	SHELL	14
728	31.40.30.30	Concrete coating of linepipe (amendments/supplements to ISO 21809-5)	2012	SHELL	24
729	31.40.30.39	Internal fusion-bonded epoxy powder coating for water injection line pipe	2012	SHELL	27
730	31.46.00.31	Acoustic insulation for piping (amendments/supplements to ISO 15665)	2012	SHELL	9
731	32.01.20.12	Process Control Domain - Enterprise industrial automation information technology and security	2012	SHELL	27
732	32.01.40.31	Requirements for real-time production operations and production-critical real-time data	2012	SHELL	21
733	32.24.20.44	Instrumentation control and protection for fired equipment	2012	SHELL	56
734	32.30.20.17	Integration of motor controls into BPCS	2012	SHELL	41
735	32.30.20.14	Instrument asset management	2012	SHELL	15
736	33.65.11.31	Synchronous AC machines (amendments/supplements to IEC 60034-1 and IEC 60034-14)	2012	SHELL	44
737	33.65.11.34	Synchronous AC machines for North American application (amendments/supplements to API 546)	2012	SHELL	31
738	33.65.50.33	Design and fabrication of AC uninterruptible power supplies for North American applications	2012	SHELL	38
739	33.65.50.34	Design and fabrication of DC uninterruptible power supplies for North American applications	2012	SHELL	24
740	33.65.60.30	Solar power systems	2012	SHELL	18
741	33.66.05.31	Electrical machines - Cage-induction types (amendments/supplements to IEC 60034-1 and IEC 60034-14)	2012	SHELL	47
742	33.66.05.33	A.C. electrical variable speed drive systems	2012	SHELL	45
743	33.66.05.39	Design and fabrication of low voltage motor control centres for North American application (amendments to UL 845 / CSA C22.2 No. 254-05)	2012	SHELL	22
744	33.66.05.36	MV induction motors for North American application (amendments/supplements to API 541)	2012	SHELL	30
745	33.67.51.31	High-voltage switchgear and controlgear assemblies for rated voltages between 1 kV and 52 kV (amendments/supplements to IEC 62271-200)	2012	SHELL	62
746	34.17.10.30	Design of blast resistant onshore buildings, control rooms and field auxiliary rooms	2012	SHELL	31
747	34.17.10.36	Inflatable blast resistant shelters	2012	SHELL	10
748	34.51.01.33	Aboveground vertical storage tanks (amendments/supplements to API Standard 650)	2012	SHELL	30
749	34.51.01.34	Full containment refrigerated LPG tanks	2012	SHELL	84
750	35.00.00.10	Vessel integrity, marine systems - Requirements for selection and operation of vessels (endorsement of DNV RP-H104)	2012	SHELL	12
751	37.00.10.11	Metocean data acquisition - Definition, implementation and analysis	2012	SHELL	75
752	37.00.10.12	Metocean data acquisition - Real time systems	2012	SHELL	45
753	37.05.10.11	Diesel oil systems	2012	SHELL	35
754	37.11.00.30	Site specific assessment of mobile offshore jack-up units	2011	SHELL	12
755	37.14.10.10	Drain systems for offshore installations	2011	SHELL	28
756	37.01.10.10	Offshore production installations basic surface process safety systems	2011	SHELL	9
757	37.01.10.11	Design of offshore topsides facilities against fire and blast loading (amendments/supplements to API RP-2FB)	2011	SHELL	12

758	37.05.10.10	Design of seawater systems for offshore and onshore	2011	SHELL	24
759	37.00.10.10	Metoccean design and operating considerations (endorsement of ISO 19901-1:2005)	2011	SHELL	7
760	34.51.11.30	Mounded horizontal cylindrical vessels for pressurised storage of LPG at ambient temperatures (amendments/supplements to EEMUA 190)	2011	SHELL	7
761	34.19.19.11	Grouting of equipment and structure bases	2011	SHELL	16
762	34.19.20.11	Passive fire protection for onshore facilities	2011	SHELL	24
763	34.19.20.31	Reinforced concrete structures	2011	SHELL	33
764	34.28.00.31	Onshore steel structures	2011	SHELL	28
765	34.28.00.33	Onshore ancillary steel structures	2011	SHELL	18
766	34.51.01.31	Vertical steel storage tanks - Selection design and construction (amendments/supplements to EN14015)	2011	SHELL	41
767	34.51.01.32	Full containment refrigerated LNG tanks	2011	SHELL	64
768	34.17.10.33	Portable blast-resistant modules	2011	SHELL	29
769	34.17.10.35	Siting of onshore occupied portable buildings	2011	SHELL	23
770	33.66.05.37	General-purpose form-wound squirrel cage induction motors - 250 horsepower and larger for North American application (amendments/supplements to API 547)	2011	SHELL	16
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1005	38.80.10.38	Procedure for measuring stimulation and gravel-pack fluid leakoff under static conditions (endorsement of ISO 13503-4)	2007	SHELL	5
1006	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)	2007	SHELL	5
1007	38.80.20.30	Specifications for cements and materials for well cementing (endorsement of ISO 10426-1)	2006	SHELL	7
1008	38.80.20.31	Testing of well cements (Endorsement of ISO 10426-2)	2006	SHELL	6
1009	38.80.10.35	Drilling and fluids materials - Drilling fluids - Processing systems evaluation (Endorsement of ISO 13501)	2006	SHELL	5
1010	38.80.20.36	Determination of shrinkage and expansion of well cement formulations at atmospheric pressure (Endorsement of ISO 10426-5)	2006	SHELL	6
1011	38.80.20.37	Preparation and testing of foamed cement slurries at atmospheric pressure (Endorsement of ISO 10426-4)	2006	SHELL	6
1012	38.80.10.30	Drilling fluid materials - Specifications and tests (Endorsement of ISO 13500)	2006	SHELL	6
1013	39.01.30.31	Downhole equipment - Subsurface safety valves (endorsement of ISO 10432)	2006	SHELL	7
1014	39.01.30.36	Downhole equipment - Side-pocket mandrels (endorsement of ISO 17078-1)	2006	SHELL	5
1015	31.24.40.12	Fabric expansion joints (endorsement of RAL-GZ 719)	2006	SHELL	7
1016	31.24.49.31	Fabrication of heater piping	2006	SHELL	13
1017	00.00.07.30	Content and drafting of a functional specification, and a technical specification, and the classification of products, processes and services (endorsement of ISO 13879, ISO 13880 and ISO/TR 13881)	2006	SHELL	10
1018	34.24.27.31	Reinforced concrete stacks	2006	SHELL	97
1019	34.51.90.10	Demolition of storage tanks (endorsement of EEMUA 154)	2006	SHELL	7
1020	33.68.30.33	Electrical process heaters	2006	SHELL	26
1021	34.17.10.31	Laboratories	2006	SHELL	28
1022	31.76.10.11	Installation, testing and balancing, and commissioning of HVAC systems	2006	SHELL	12
1023	31.40.10.16	Upheaval buckling of pipelines	2006	SHELL	34
1024	31.40.10.17	Pipeline/rawlgear interaction	2006	SHELL	30
1025	31.40.10.20	Spoolable fibre-reinforced plastic pipes	2005	SHELL	23
1026	31.40.30.35	Internal coating of line pipe for non-corrosive gas transmission service (amendments/supplements to ISO 15741)	2005	SHELL	21
1027	20.04.10.10	Glycol-type gas dehydration systems	2005	SHELL	163
1028	30.00.60.14	Human factors engineering - Application during construction	2005	SHELL	29
1029	30.48.60.10	Rubber-lined process equipment	2005	SHELL	23
1030	31.22.01.31	Rotating disc contactors	2005	SHELL	42
1031	31.22.10.35	Manufacturing report for pressure vessels	2005	SHELL	11
1032	39.29.10.30	Downhole equipment - Progressive cavity pumps for artificial lift (Endorsement of ISO 15136-1)	2005	SHELL	6

1033	39.01.30.34	Downhole equipment - Packers and bridge plugs (Endorsement of ISO 14310)	2005	SHELL	6
1034	39.01.30.35	Downhole equipment - Lock mandrels and landing nipples (Endorsement of ISO 16070)	2005	SHELL	6
1035	38.80.20.34	Centralizer placement and stop-collar testing (Endorsement of ISO 10427-2)	2005	SHELL	6
1036	38.80.40.30	Steel drill pipe with weld-on tool joints (amendments/supplements to ISO 11961)	2005	SHELL	6
1037	70.08.10.13	Electrical workshop - Test equipment and tools	2005	SHELL	51
1038	37.91.20.30	Oil loading and discharge hoses for offshore mooring installations (amendments/supplements to OCIMF Guide)	2005	SHELL	19
1039	38.80.30.31	Drilling and production hoisting equipment (Endorsement of ISO 13535)	2004	SHELL	7
1040	38.80.30.32	Inspection, maintenance, repair and remanufacture of hoisting equipment (Endorsement of ISO 13534)	2004	SHELL	7
1041	38.80.30.33	Drilling and well servicing equipment (Endorsement of ISO 14693)	2004	SHELL	7
1042	38.80.10.33	Measurement of viscous properties of completion fluids (Endorsement of ISO 13503-1)	2004	SHELL	6
1043	38.80.10.34	Drilling fluids - Laboratory testing (Endorsement of ISO 10416)	2004	SHELL	6
1044	38.80.20.32	Performance testing of cementing float equipment (endorsement of ISO 10427-3)	2004	SHELL	6
1045	38.80.20.33	Bow-spring casing centralizers (Endorsement of ISO 10427-1)	2004	SHELL	6
1046	38.80.50.30	Drill-through equipment (Endorsement of ISO 13533)	2004	SHELL	7
1047	38.80.60.30	Drilling and well servicing structures (Endorsement of ISO 13626)	2004	SHELL	6
1048	38.80.20.35	Testing of deepwater well cement formulations (Endorsement of ISO 10426-3)	2004	SHELL	6
1049	38.80.40.32	Marine drilling riser couplings (Endorsement of ISO 13625)	2004	SHELL	6
1050	39.01.20.32	Testing procedures for casing and tubing connections (Endorsement of ISO 13679)	2004	SHELL	7
1051	39.01.20.33	Evaluation and testing of thread compounds for use with casing, tubing and line pipe (Endorsement of ISO 13678)	2004	SHELL	7
1052	39.01.20.34	Field inspection of new casing, tubing and plain-end drill pipe (Endorsement of ISO 15463)	2004	SHELL	6
1053	38.80.10.32	Field testing of drilling fluids - Oil-based fluids (amendments/supplements to ISO 10414-2)	2003	SHELL	6
1054	31.27.21.30	Dry electrostatic precipitators	2003	SHELL	50
1055	30.48.60.13	Design and installation of chemical-resistant brick lining for process equipment	2003	SHELL	40
1056	30.10.73.10	Cathodic protection	2003	SHELL	103
1057	30.00.60.12	Human factors engineering - Investment justification model	2003	SHELL	29
1058	34.24.26.31	Steel stacks (amendments/supplements to CICIND Model Code)	2003	SHELL	11
1059	33.65.11.32	Packaged unit AC generator sets	2003	SHELL	37
1060	31.40.60.11	Pipeline leak detection	2002	SHELL	19
1061	32.32.00.11	Turbine fiscal metering systems for liquid hydrocarbons	2002	SHELL	44
1062	38.80.10.31	Field testing of drilling fluids - Water based fluids (endorsement of ISO 10414-1)	2002	SHELL	7
1063	80.80.00.13	Offshore production installations - Guidelines on tools and techniques for identification and assessment of hazardous events (amendments/supplements to ISO 17776)	2002	SHELL	6
1064	31.29.90.30	Spark ignited gas fuelled engines	2001	SHELL	51
1065	31.40.30.33	Bituminous enamel coating of steel linepipe	2001	SHELL	36
1066	33.68.30.31	Electrical heating system for frost heave prevention of refrigerated hydrocarbon storage tanks	2001	SHELL	17
1067	37.05.10.12	Design of hose bulk transfer facilities for offshore installations	2000	SHELL	19
1068	30.48.60.12	Design and installation of chemical-resistant linings for concrete structures	2000	SHELL	41
1069	31.29.80.30	Diesel engines	2000	SHELL	47
1070	39.01.20.31	Care and use of casing and tubing (endorsement of ISO 10405)	2000	SHELL	6
1071	31.29.12.30	Reciprocating positive displacement pumps and metering pumps (amendments/supplements to API 674 and API 675)	1999	SHELL	25
1072	31.40.30.34	Thermoplastic lined pipelines	1999	SHELL	67
1073	32.71.00.30	Structured cabling systems for telecommunications	1998	SHELL	43

1074	31.76.10.10	Heating, ventilation and air conditioning for plant buildings	1998	SHELL	29
1075	30.48.30.31	Cement lining of pipes	1998	SHELL	26
1076	30.10.60.31	Oxidation of stainless steel weldments	1998	SHELL	17
1077	70.10.80.11	Cleaning of equipment	1998	SHELL	47
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1079	32.71.00.31	Microwave systems	1997	SHELL	31
1080	32.71.00.16	Design and installation of telephone cabling	1997	SHELL	15
1081	32.71.00.13	Drilling communications	1995	SHELL	20
1082	02.00.00.10	Preparation and microfilming of technical drawings	1995	SHELL	27
1083	32.71.00.12	Telecommunications for offshore platforms	1993	SHELL	26
1084	32.71.00.11	Telecommunication standards	0	SHELL	37
1085	00.00.00.30	Procedure for global technical standards publications	0	SHELL	50
1086	00.00.05.05	Global technical standards index	0	SHELL	54
1087	00.00.06.06	Standard drawings index	0	SHELL	34
1088	00.00.07.10	Design class tables	0	SHELL	27
1089	00.00.07.30	Application of a functional specification (endorsement of ISO 13879, ISO 13880 and ISO/TR 13881)	0	SHELL	6
1090	00.00.10.05	Standard forms index	0	SHELL	9
1091	00.00.20.10	The use of SI quantities and units (endorsement of ISO/IEC 80000)	0	SHELL	7
1092	01.00.01.30	Definition of temperature, pressure and toxicity levels	0	SHELL	30
1093	01.00.02.11	Preparation of process flow schemes and process engineering flow schemes	0	SHELL	17
1094	01.00.02.12	Preparation of Safeguarding Memoranda and Process Safeguarding Flow Schemes	0	SHELL	36
1095	01.00.02.13	Process engineering and safeguarding practices (PRENSAP)	0	SHELL	32
1096	01.00.09.10	Operational tagging requirements	0	SHELL	14
1097	02.00.00.10	Preparation of technical drawings	0	SHELL	20
1098	10.02.51.11	Steam injection systems for safeguarding thermal cracking units	0	SHELL	18
1099	20.04.10.10	Glycol-type gas dehydration systems	0	SHELL	33
1100	20.05.50.10	Heat transfer fluid systems	0	SHELL	25
1101	20.05.60.10	Fuel systems	0	SHELL	25
1102	20.21.00.31	Fouling margins in tubular heat exchanger design	0	SHELL	35
1103	30.00.60.10	Human factors engineering in projects	0	SHELL	19
1104	30.00.60.13	Human factors engineering valves	0	SHELL	21
1105	30.00.60.14	Human factors engineering - application during construction	0	SHELL	9
1106	30.00.60.15	Human factors engineering - control room design	0	SHELL	46
1107	30.00.60.16	Human factors engineering - Human machine interface design for situation awareness	0	SHELL	29
1108	30.00.60.18	Human factors engineering - design and procurement of skid-packaged units	0	SHELL	14
1109	30.00.60.19	Human factors engineering Design for process safety critical tasks	0	SHELL	16
1110	30.00.60.20	Human factors engineering Workspace design	0	SHELL	52
1111	30.00.60.21	Human factors engineering labelling of facilities, equipment and piping	0	SHELL	33
1112	30.05.10.30	Nitrogen/Oxygen supply and distribution systems	0	SHELL	37
1113	30.06.10.11	Equipment in LPG processing installations	0	SHELL	23
1114	30.06.10.12	Pressurised bulk LPG storage installations at processing facilities	0	SHELL	36

1115	30.06.10.13	LPG bulk road, rail and pipeline transportation	0	SHELL	52
1116	30.06.10.16	Pressurised bulk storage installations for LPG - at depots, filling plants and large bulk customers	0	SHELL	42
1117	30.06.10.20	ESD systems for loading and discharging liquefied gas carriers	0	SHELL	30
1118	30.10.01.10	Requisitions index	0	SHELL	12
1119	30.10.02.11	Metallic materials Selected standards	0	SHELL	80
1120	30.10.02.13	Non-metallic materials - selection and application	0	SHELL	53
1121	30.10.02.15	Materials for use in H ₂ S-containing environments in oil and gas production (amendments and supplements to ISO 15156:2009)	0	SHELL	29
1122	30.10.02.16	Evaluation of pipeline and pressure vessel steels for resistance to hydrogen-induced cracking (amendments/supplements to NACE TM0284)	0	SHELL	11
1123	30.10.02.17	Wet H ₂ S requirements for downstream pressure vessels and piping	0	SHELL	24
1124	30.10.02.31	Metallic materials - prevention of brittle fracture in new assets	0	SHELL	17
1125	30.10.02.32	Materials and fabrication requirements for 2_Cr-1Mo, 2_Cr-1Mo_V, 3Cr-1Mo & 3Cr-1Mo_V heavy wall pressure vessels (amendments/supplements to API RP 934-A)	0	SHELL	10
1126	30.10.02.34	Casting requirements for pressure retaining and rotating equipment components	0	SHELL	16
1127	30.10.02.35	Technical requirements for the supply of components in 6Mo austenitic, 22Cr duplex and 25Cr super duplex stainless steel	0	SHELL	45
1128	30.10.02.36	Materials and fabrication requirements for 1_Cr_Mo pressure vessels (amendments/supplements to API RP 934-C and API RP 934-E)	0	SHELL	17
1129	30.10.05.11	Plant model construction and review	0	SHELL	41
1130	30.10.60.18	Welding of metals (amendments/supplements to API RP 582)	0	SHELL	76
1131	30.10.60.30	Welding on pressurized pipes (amendments/supplements to API Standard 1104)	0	SHELL	28
1132	30.10.60.31	Oxidation of stainless steel weldments	0	SHELL	16
1133	30.10.73.10	Cathodic protection	0	SHELL	17
1134	30.10.73.31	Design of cathodic protection systems for onshore buried pipelines and on-plot piping (amendments/supplements to ISO 15589-1:2003)	0	SHELL	27
1135	30.10.73.32	Cathodic protection systems for subsea pipelines and hardware (amendments/ supplements to ANS/ NACE SP0607-2007/ ISO 15589-2)	0	SHELL	28
1136	30.10.73.33	Installation and commissioning of onshore cathodic protection systems	0	SHELL	149
1137	30.46.00.31	Thermal insulation	0	SHELL	53
1138	30.48.00.31	Protective coatings for onshore and offshore facilities	0	SHELL	52
1139	30.48.00.32	Coating of fasteners	0	SHELL	17
1140	30.48.00.34	Phosphate-conversion coatings for marine equipment	0	SHELL	14
1141	30.48.30.31	Cement lining of pipes (based on EN 10298)	0	SHELL	16
1142	30.48.40.31	Thermal spray coatings of aluminum	0	SHELL	38
1143	30.48.60.10	Rubber-lined process equipment	0	SHELL	18
1144	30.48.60.12	Design and installation of chemical-resistant protection systems for concrete surfaces (based on EN 14879-Parts 1, 3, 5 and 6)	0	SHELL	22
1145	30.48.60.13	Design and installation of chemical-resistant brick lining for process equipment (based on EN 14879-Parts 1, 4 and 6)	0	SHELL	31
1146	30.55.03.30	Validation of NDE for fabrication inspection	0	SHELL	21
1147	30.75.10.10	Steam, condensate and boiler feed water systems	0	SHELL	36
1148	30.75.10.30	Water-tube boilers	0	SHELL	45
1149	30.75.10.31	Gas turbine heat recovery steam generators	0	SHELL	71
1150	31.01.10.11	Corrosion prevention and control of water injection systems	0	SHELL	29

1151	31.06.11.11	Loading facilities for bulk road vehicles	0	SHELL	45
1152	31.06.15.10	Marine loading arms (amendments/supplements to OCIMF design and construction specification for marine loading arms)	0	SHELL	40
1153	31.10.00.10	Positive material identification (PMI) program	0	SHELL	24
1154	31.10.00.31	Noise control (amendments/supplements to ISO 15664)	0	SHELL	12
1155	31.10.03.10	Symbols and identification system - Mechanical	0	SHELL	23
1156	31.20.20.31	Internals for columns	0	SHELL	59
1157	31.21.01.12	Shell and tube heat exchangers; selection and application	0	SHELL	73
1158	31.21.01.13	Welded plate-bloc heat exchangers Application, design and fabrication	0	SHELL	32
1159	31.21.01.30	Shell and tube heat exchangers (amendments/supplements to ISO 16812:2007)	0	SHELL	66
1160	31.21.01.32	Plate and frame heat exchangers (amendments/supplements to ISO 15547-1:2005)	0	SHELL	17
1161	31.21.01.34	Brazed aluminium plate-fin heat exchangers (amendments/supplements to ISO 15547-2:2005)	0	SHELL	25
1162	31.21.01.35	Steam surface condensers and auxiliaries	0	SHELL	19
1163	31.21.01.36	Heat Exchangers for Packaged Units - Design and Fabrication	0	SHELL	25
1164	31.21.01.37	Spiral plate heat exchangers (amendments/supplements to ISO 12211:2012)	0	SHELL	21
1165	31.21.01.38	Chilling systems	0	SHELL	37
1166	31.21.07.30	Hairpin-type heat exchangers (amendments/supplements to ISO 12212:2012)	0	SHELL	35
1167	31.21.20.32	Air cooled vacuum steam condensers	0	SHELL	31
1168	31.21.20.33	Closed circuit cooling systems	0	SHELL	19
1169	31.21.70.10	Air-cooled heat exchangers; Selection and application	0	SHELL	39
1170	31.21.70.31	Air-cooled heat exchangers (amendments/supplements to ISO 13706:2011)	0	SHELL	60
1171	31.22.00.12	UT in lieu of RT for code construction of pressure equipment	0	SHELL	16
1172	31.22.00.30	Equipment criticality in pressure vessel design	0	SHELL	15
1173	31.22.00.31	Unfired pressure vessels	0	SHELL	74
1174	31.22.05.11	Gas/liquid separators - Type selection and design rules	0	SHELL	102
1175	31.22.05.12	Liquid/liquid and gas/liquid/liquid separators Type selection and design rules	0	SHELL	117
1176	31.22.10.35	Manufacturing report for pressure vessels	0	SHELL	12
1177	31.22.30.14	Glass-fibre reinforced plastic vessels	0	SHELL	30
1178	31.22.50.31	Design and installation of the bottom support structure for molecular sieve units	0	SHELL	23
1179	31.24.00.10	Post combustion NOx control for fired equipment (amendments/supplements to API RP 536)	0	SHELL	33
1180	31.24.00.30	Fired heaters (amendments/supplements to ISO 13705)	0	SHELL	81
1181	31.24.40.12	Fabric expansion joints (endorsement of RAL-GZ 719)	0	SHELL	8
1182	31.24.40.31	Materials for high-temperature conversion process furnace parts	0	SHELL	28
1183	31.24.67.10	Firetube heaters	0	SHELL	13
1184	31.25.00.10	Hoisting facilities and weather protection for rotating equipment	0	SHELL	15
1185	31.27.00.20	Design and supply of bulk solids bins and hoppers	0	SHELL	15
1186	31.27.00.21	Vibrating fluid bed drier/cooler systems	0	SHELL	14
1187	31.27.00.23	General purpose screw conveyors	0	SHELL	15
1188	31.27.00.24	Loss-in-weight feeders	0	SHELL	14
1189	31.27.00.25	Pressure Process Filters and Systems - Technology Selection, Design and Manufacture	0	SHELL	28
1190	31.27.00.26	Trough belt conveyors	0	SHELL	17
1191	31.27.00.27	Dilute phase pneumatic conveying systems	0	SHELL	22

1192	31.27.00.28	Filter presses technology selection, design and manufacture	0	SHELL	14
1193	31.27.00.31	Decanter centrifuge selection, design and manufacture	0	SHELL	14
1194	31.27.00.32	General purpose baghouse dust collectors selection, design and manufacture	0	SHELL	20
1195	31.27.00.33	Design and manufacture of rotary valves (rotary air locks)	0	SHELL	9
1196	31.27.21.10	Filters for removing particles from hydroprocessor feeds - type selection and design rules	0	SHELL	31
1197	31.27.21.30	Dry electrostatic precipitators	0	SHELL	40
1198	31.29.00.10	Installation of rotating equipment (amendments/supplements to API RP 686)	0	SHELL	30
1199	31.29.00.11	Condition monitoring of rotating equipment	0	SHELL	69
1200	31.29.00.30	Oil mist lubrication systems	0	SHELL	61
1201	31.29.00.32	Special purpose gear units for petroleum, chemical and natural gas industry services (amendments/supplements to API 613)	0	SHELL	23
1202	31.29.00.33	Shaft sealing systems for centrifugal and rotary pumps (amendments/supplements to ISO 21049:2004)	0	SHELL	46
1203	31.29.00.36	Flexible couplings for mechanical power transmission - Special purpose applications (amendments/supplements to ISO 10441)	0	SHELL	15
1204	31.29.00.38	General- purpose gear units (amendments/supplements to API 677)	0	SHELL	14
1205	31.29.00.41	Gears selection, testing and installation	0	SHELL	22
1206	31.29.02.11	Pumps - selection, testing and installation	0	SHELL	20
1207	31.29.02.30	Centrifugal pumps (amendments/supplements to ISO 13709)	0	SHELL	36
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1209	31.29.12.30	Reciprocating positive displacement pumps (amendments/supplements to API 674)	0	SHELL	21
1210	31.29.12.31	Positive displacement pumps - controlled volume (amendments/supplements to API 675)	0	SHELL	19
1211	31.29.22.11	Positive displacement pumps Rotary (amendments/supplements to API 676)	0	SHELL	17
1212	31.29.40.10	Compressors - Selection, testing, and installation	0	SHELL	42
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1214	31.29.40.31	Reciprocating compressors (amendments/supplements to API 618)	0	SHELL	44
1215	31.29.40.32	Rotary-type positive displacement compressors (amendments/supplements to API 619)	0	SHELL	32
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1217	31.29.40.34	Packaged reciprocating gas compressors (amendments/supplements to ISO 13631)	0	SHELL	52
1218	31.29.42.30	Liquid ring vacuum pumps and compressors (amendments/supplements to API STD 681)	0	SHELL	16
1219	31.29.47.30	Centrifugal fans (amendments/supplements to ISO 13705, Annex E)	0	SHELL	18
1220	31.29.47.31	Centrifugal fans for petroleum, chemical, and gas industry services (amendments/supplements to API 673)	0	SHELL	14
1221	31.29.47.32	Fans Selection, testing and installation	0	SHELL	14
1222	31.29.56.31	Steam jet vacuum ejector sets	0	SHELL	24
1223	31.29.60.10	Steam turbines - Selection, testing and installation	0	SHELL	19
1224	31.29.60.30	General-purpose steam turbines (amendments/supplements to API 611)	0	SHELL	17
1225	31.29.60.31	Special-purpose steam turbines (amendments/supplements to ISO 10437)	0	SHELL	29
1226	31.29.60.32	Lubrication, shaft-sealing and oil-control systems and auxiliaries (amendments/supplements to ISO 10438)	0	SHELL	40
1227	31.29.60.33	Lubrication, shaft-sealing and oil-control systems selection, testing, and installation	0	SHELL	15
1228	31.29.80.30	Spark ignited and compression ignited engines	0	SHELL	25
1229	31.36.00.30	Pipeline transportation systems - pipeline valves (amendments/supplements to ISO 14313)	0	SHELL	29
1230	31.36.10.30	Hydraulic systems for the operation of on/off valves in protective functions	0	SHELL	33
1231	31.37.00.11	Instrument air supply	0	SHELL	32
1232	31.38.01.10	Piping class - Basis of design	0	SHELL	22

1233	31.38.01.11	Piping - General requirements	0	SHELL	197
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1236	31.38.01.15	Piping classes - Exploration and production	0	SHELL	13
1237	31.38.01.19	Water injection in downstream hydroprocessing units for corrosion control	0	SHELL	20
1238	31.38.01.20	Design of injection points, injection systems, and corrosive mix points for downstream processing applications	0	SHELL	30
1239	31.38.01.21	Compilation of a specification for piping systems	0	SHELL	9
1240	31.38.01.29	Pipe supports	0	SHELL	35
1241	31.38.01.31	Shop and field fabrication of piping	0	SHELL	78
1242	31.38.30.11	Protective heating of piping systems (non-electrical)	0	SHELL	104
1243	31.38.60.10	Hot-tapping on pipelines, piping and equipment	0	SHELL	44
1244	31.40.00.10	Pipeline engineering (amendments/supplements to ISO 13623:2009)	0	SHELL	44
1245	31.40.10.16	Upheaval buckling of pipelines	0	SHELL	10
1246	31.40.10.18	Pipeline engineering - Reliability-based limit states methods (amendments/supplements to ISO 16708)	0	SHELL	21
1247	31.40.10.19	Glass-fibre reinforced plastic pipeline and piping systems	0	SHELL	54
1248	31.40.10.20	Spoolable fibre-reinforced plastic pipes	0	SHELL	23
1249	31.40.20.32	CRA clad and CRA-lined steel pipe (amendments/supplements to API Spec 5LD)	0	SHELL	28
1250	31.40.20.33	Linepipe induction bends (amendments/supplements to ISO 15590-1)	0	SHELL	20
1251	31.40.20.34	Welded and seamless duplex and super duplex stainless steel line pipe (amendments/supplements to API Spec 5LC)	0	SHELL	41
1252	31.40.20.36	Weldable martensitic stainless steel line pipe for use in oil and gas operations (amendments/supplements to API SPEC 5LC)	0	SHELL	33
1253	31.40.20.37	Line pipe for critical service (amendments/supplements to ISO 3183:2012 and API SPEC 5L 45th edition)	0	SHELL	82
1254	31.40.20.39	High density polyethylene pipelines and piping systems for oilfield applications	0	SHELL	40
1255	31.40.21.30	Pipeline fittings (amendments/supplements to ISO 15590-2) and low temperature process piping fittings	0	SHELL	33
1256	31.40.21.34	Carbon and low alloy steel pipeline flanges for use in oil and gas operations (amendments/supplements to ISO 15590-3) and low temperature carbon steel flanges for piping (amendments/supplements to ASTM A350 GR LF2)	0	SHELL	39
1257	31.40.30.30	Concrete coating of linepipe (amendments/supplements to ISO 21809-5)	0	SHELL	24
1258	31.40.30.31	External polyethylene and polypropylene coating for line pipe (amendments/supplements to ISO/DIS 21809-1:2009)	0	SHELL	28
1259	31.40.30.32	External fusion-bonded epoxy powder coating for line pipe (amendments/supplements to ISO 21809-2:2007)	0	SHELL	27
1260	31.40.30.33	Bituminous enamel coating of steel linepipe	0	SHELL	30
1261	31.40.30.34	Thermoplastic lined pipelines for onshore use	0	SHELL	38
1262	31.40.30.35	Internal coating of line pipe for non-corrosive gas transmission service (amendments/supplements to ISO 15741)	0	SHELL	24
1263	31.40.30.37	External field joint and rehabilitation coating systems for line pipe (amendments/supplements to ISO 21809-3:2008)	0	SHELL	79
1264	31.40.30.39	Internal fusion-bonded epoxy powder coating for water injection line pipe	0	SHELL	27
1265	31.46.00.31	Acoustic insulation for piping (amendments/supplements to ISO 15665)	0	SHELL	9
1266	31.51.10.31	Tank mixers and agitators	0	SHELL	21
1267	31.76.10.10	Heating, ventilation and air conditioning for plant buildings	0	SHELL	48
1268	32.01.20.12	Process Control Domain - Enterprise industrial automation information technology and security	0	SHELL	24
1269	32.01.23.17	Process Control Domain - security requirements for suppliers	0	SHELL	21
1270	32.01.40.31	Requirements for real-time production operations and production-critical real time data	0	SHELL	22
1271	32.10.03.10	Instrumentation symbols and identification on process engineering flow schemes	0	SHELL	55
1272	32.24.20.44	Instrumentation control and protection for fired equipment	0	SHELL	131

1273	32.29.20.10	Safeguarding and instrumented protective functions for rotating equipment	0	SHELL	30
1274	32.30.20.11	Fire, gas and smoke detection systems	0	SHELL	72
1275	32.30.20.13	Intelligent field devices Design and configuration	0	SHELL	100
1276	32.30.20.14	Instrument asset management	0	SHELL	15
1277	32.30.20.15	DCS basic application standards	0	SHELL	37
1278	32.30.20.16	Baselayer control applications	0	SHELL	73
1279	32.30.20.17	Integration of motor controls into BPCs	0	SHELL	41
1280	32.30.20.18	Real-time optimization project standards	0	SHELL	34
1281	32.31.00.32	Instruments for measurement and control	0	SHELL	70
1282	32.31.00.34	Instrumentation documents and drawings	0	SHELL	29
1283	32.31.00.35	Smartplant instrumentation (SPI) - Project execution	0	SHELL	32
1284	32.31.09.31	Instrumentation for equipment packages	0	SHELL	26
1285	32.31.09.32	Heat exchanger instrumentation requirements for performance assessment	0	SHELL	11
1286	32.31.50.10	On-line process analysers	0	SHELL	43
1287	32.31.50.13	Analyser housing	0	SHELL	37
1288	32.31.56.30	Implementation of near-infrared systems for main fuels blending	0	SHELL	30
1289	32.32.00.11	Custody transfer measurement systems for liquids	0	SHELL	69
1290	32.32.00.12	Custody transfer measurement systems for gases and vapours	0	SHELL	63
1291	32.32.00.13	Flow rate measurement in wet gas environments by means of Venturi tubes and tracer dilution technology	0	SHELL	38
1292	32.36.01.17	Control valves - Selection, sizing, and specification	0	SHELL	66
1293	32.36.01.18	Selection and procurement of actuators for on-off valves	0	SHELL	59
1294	32.37.10.11	Installation of on-line instruments	0	SHELL	34
1295	32.37.20.10	Instrument signal lines	0	SHELL	27
1296	32.45.10.10	Instrumentation of depressuring systems	0	SHELL	11
1297	32.71.00.10	Plant telecommunication	0	SHELL	53
1298	32.71.00.11	Telecommunications standards	0	SHELL	37
1299	32.71.00.14	Telecommunications towers and guyed masts	0	SHELL	28
1300	32.71.00.30	Structured cabling systems for telecommunications	0	SHELL	24
1301	32.71.00.31	Telecommunications transmission system	0	SHELL	19
1302	32.80.10.10	Instrumented protective functions (IPF)	0	SHELL	76
1303	32.80.10.14	Alarm management	0	SHELL	48
1304	33.64.10.10	Electrical engineering design	0	SHELL	118
1305	33.64.10.17	Application of protective functions for electrical systems	0	SHELL	50
1306	33.64.10.32	Electrical network monitoring and control system for industrial networks	0	SHELL	51
1307	33.64.10.33	Electromagnetic compatibility (EMC)	0	SHELL	53
1308	33.65.11.31	Synchronous AC machines (amendments/supplements to IEC 60034-1 and IEC 60034-14)	0	SHELL	44
1309	33.65.11.32	Packaged alternating current generator sets	0	SHELL	35
1310	33.65.40.31	Power transformers (amendments/supplements to IEC 60076-1 and IEC 60076-11)	0	SHELL	31
1311	33.65.50.31	Static DC uninterruptible power supply (DC UPS) units	0	SHELL	29
1312	33.65.50.32	Static A.C. Uninterruptible Power Supply Unit (Static A.C. UPS Unit)	0	SHELL	37
1313	33.66.05.31	Electrical machines - Cage-induction types (amendments/supplements to IEC 60034-1 and IEC 60034-14)	0	SHELL	47

1314	33.66.05.33	A.C. electrical variable speed drive systems	0	SHELL	45
1315	33.67.01.31	Low voltage switchgear and controlgear assemblies (amendments/supplements to IEC 61439)	0	SHELL	40
1316	33.67.51.31	High-voltage switchgear and control gear assemblies for rated voltages between 1 kV and 52 kV (amendments/supplements to IEC 62271-200)	0	SHELL	59
1317	33.67.51.32	Gas-insulated, metal-enclosed switchgear and controlgear for rated voltages above 52 kV (amendments/supplements to IEC 62271-203)	0	SHELL	37
1318	33.68.30.32	Electrical trace heating	0	SHELL	30
1319	33.68.30.33	Electrical process heaters	0	SHELL	24
1320	34.00.01.10	Earthquake design for onshore facilities - Seismic hazard assessment	0	SHELL	37
1321	34.00.01.30	Structural design and engineering of onshore structures	0	SHELL	29
1322	34.11.00.10	Onshore and nearshore site investigations	0	SHELL	42
1323	34.11.00.11	Site preparation and earthworks including tank foundations and tank farms	0	SHELL	68
1324	34.11.00.12	Geotechnical and foundation engineering onshore	0	SHELL	74
1325	34.13.20.31	Roads, paving, surfacing, cable trenches, slope protection and fencing	0	SHELL	28
1326	34.14.20.31	Drainage systems and primary treatment facilities	0	SHELL	36
1327	34.17.00.32	Design and engineering of buildings	0	SHELL	74
1328	34.17.10.30	Design of blast resistant onshore buildings, control rooms and field auxiliary rooms	0	SHELL	31
1329	34.17.10.31	Laboratories	0	SHELL	24
1330	34.17.10.33	Portable blast resistant modules	0	SHELL	23
1331	34.17.10.34	Requirements for mobile and construction camps	0	SHELL	37
1332	34.17.10.35	Siting of onshore occupied portable buildings	0	SHELL	23
1333	34.19.19.11	Grouting of equipment and structure bases	0	SHELL	16
1334	34.19.20.11	Passive fire protection for onshore facilities	0	SHELL	24
1335	34.19.20.31	Reinforced concrete structures	0	SHELL	33
1336	34.24.26.31	Chimneys selection, design and engineering (based on EN 1992-1-1, EN 1993-3-2, EN 1443, EN 13084 Parts 1, 2, 4, 5, 6, 7 and 8)	0	SHELL	34
1337	34.28.00.31	Onshore steel structures	0	SHELL	28
1338	34.28.00.33	Onshore ancillary steel structures	0	SHELL	18
1339	34.51.01.31	Vertical steel storage tanks Selection design and construction (amendments/supplements to EN 14015)	0	SHELL	43
1340	34.51.01.33	Aboveground vertical storage tanks (amendments/supplements to API Standard 650)	0	SHELL	31
1341	34.51.01.35	Shop welded vertical tanks for storage of production liquids (amendments/supplements to API 12F)	0	SHELL	17
1342	34.51.90.10	Demolition of storage tanks (endorsement of EEMUA 154)	0	SHELL	7
1343	34.74.00.10	Cooling water towers - Selection, design, fabrication and erection	0	SHELL	32
1344	35.00.10.10	Design of jetty facilities (amendments/supplements to BS 6349-1/2/4)	0	SHELL	64
1345	35.00.10.11	Jetty gangways	0	SHELL	37
1346	37.05.10.10	Design of seawater systems for offshore and onshore	0	SHELL	24
1347	37.05.10.11	Diesel oil systems	0	SHELL	35
1348	37.19.30.30	Cathodic protection systems for fixed offshore steel structures (amendments/supplements to NACE SP0176-2007)	0	SHELL	28
1349	37.81.20.31	Galvanic anodes for marine structures and pipelines Specification and qualification Modifications to ISO 15589-2	0	SHELL	32
1350	37.81.20.40	Impressed current laboratory testing of aluminum alloy anodes (amendments/supplements to NACE Std TM0190-2006)	0	SHELL	11
1351	37.81.40.30	Syntactic foam insulation for flowlines	0	SHELL	22

1352	37.81.40.32	Automated ultrasonic inspection (AUT) of girth welds for carbon steel and CRA lined pipelines, flowlines and catenary risers	0	SHELL	48
1353	37.81.40.34	Insulation for pipe-in-pipe (PIP) flowlines	0	SHELL	24
1354	37.81.42.35	Qualification of girthweld inspection with automated ultrasonic inspection (AUT) systems	0	SHELL	29
1355	39.01.00.10	Onshore production installations - Basic process safety systems	0	SHELL	71
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1358	44.24.32.31	Classification of unshaped refractory lining materials	0	SHELL	17
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1363	44.24.90.32	Classification of refractory bricks and shapes	0	SHELL	15
1364	44.24.90.33	Specification for sampling and testing of refractory bricks and shapes	0	SHELL	24
1365	44.24.90.34	Classification, specification and testing for ancillary materials for refractory brick construction	0	SHELL	25
1366	44.24.90.35	Specification and quality control for precast or specialty cast refractory baffle wall tile (shapes)	0	SHELL	27
1367	60.00.10.13	Mobile crane foundation assessment	0	SHELL	14
1368	61.10.08.11	Field inspection prior to commissioning of mechanical equipment	0	SHELL	57
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1370	61.40.20.30	Welding of pipelines and related facilities (amendments/supplements to ISO 13847:2000)	0	SHELL	40
1371	61.40.20.31	Field welding of duplex and super duplex stainless steel pipelines (amendments/supplements to API 1104)	0	SHELL	49
1372	62.10.08.11	Inspection and functional testing of instruments	0	SHELL	49
1373	63.10.08.11	Field commissioning of electrical installations and equipment	0	SHELL	81
1374	64.24.32.11	Refractory linings for sulphur recovery units (Claus and SCOT)	0	SHELL	41
1375	64.24.32.31	Construction details for refractory brick and shape construction	0	SHELL	25
1376	64.24.32.33	Guidelines for curing, drying and firing of unshaped refractory lining materials	0	SHELL	15
1377	64.24.32.34	Refractory contractor selection and applicator qualification for installation of unshaped refractory lining materials	0	SHELL	18
1378	64.24.32.35	Construction design details of unshaped refractory materials	0	SHELL	16
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1382	74.00.10.10	Shop and field pressure testing of piping systems	0	SHELL	24
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