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DEP INDEX

DEP 00.00.05.05-Gen.

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DESIGN AND ENGINEERING PRACTICE



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and

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The objective is to set the recommended standard for good design and engineering practice applied by Group companies operating an oil refinery, gas handling installation, chemical plant, oil and gas production facility, or any other such facility, and thereby to achieve maximum technical and economic benefit from standardization.

The information set forth in these publications is provided to users for their consideration and decision to implement. This is of particular importance where DEPs may not cover every requirement or diversity of condition at each locality. The system of DEPs is expected to be sufficiently flexible to allow individual operating companies to adapt the information set forth in DEPs to their own environment and requirements.

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All administrative queries should be directed to the DEP Administrator in Shell GSI.

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1. INTRODUCTION

1.1 SCOPE

This index lists the DEPs (Design and Engineering Practices) in circulation on the date of issue of this index. They are listed both by subject type and numerically. In the numerical indices (Part II, sections 1 and 2), withdrawn DEPs and Standard Specifications have been included and a reference is shown in parentheses if the withdrawn DEP or Standard Specification was included in, or replaced by, another publication.

This index replaces the previous index dated **August 2005** and changes have been highlighted by a vertical line (|) in the left margin of the numerical index (Part II, section 1).

1.2 TYPES OF DEP

MANUAL Designated "**M**"

Manuals aim to give guidance for the way a particular aspect is to be approached, and the resultant practice or method is outlined.

TECHNICAL SPECIFICATION Designated "**T**"

Technical specifications aim mainly at a basis for understanding between the Principal, Contractor and Supplier providing detailed requirements to be satisfied by a product, a material or a process and indicating the criteria to judge compliance.

PROCEDURAL SPECIFICATION Designated "**P**"

Procedural specifications aim at describing formalised ways of doing things to achieve a sound result.

NOTE: The above designations are shown for each active DEP in the 4th column of the numerical section of this index (Part II).

REQUISITION

Requisitions provide the engineering information required for the procurement of equipment and materials.

STANDARD FORM

Standard forms are documents used to present information in a consistent manner.

1.3 STANDARD SPECIFICATIONS

Standard Specifications have all been withdrawn and, where relevant, replaced by DEPs.

1.4 REQUISITIONS AND STANDARD FORMS

Requisition sheets are indexed in DEP 30.10.01.10-Gen.

Standard Forms are indexed in DEP 00.00.10.05-Gen.

1.5 DISTRIBUTION OF DEPs

On a regular basis (currently twice per year) a nominated focal point in each authorised company is sent the specified quantity of new DEP CDROMs.

The authorised company is responsible for providing DEPs to their Contractors and Manufacturers but Shell GSI can provide DEPs directly to Contractors and Manufacturers for an administrative fee.

1.6 AMENDMENTS

Between formal revisions, if an amendment is required to a DEP, a "DEP Circular" is issued. These circulars are numbered x/y, where "x" is a sequential number and "y" is the year in which it was issued.

The 5th column of the numerical section (Part II, section 1) of this index identifies whether a DEP has been so amended.

1.7 CUSTODIANSHIP

The Custodians responsible for active DEPs are identified in the 6th column of the numerical index (Part II, section 1).

PART I SUBJECT INDEX

1. GENERAL ENGINEERING SUBJECTS

1.1 INDICES

Title	DEP Number
DEP index	DEP 00.00.05.05-Gen.
Standard drawings index	DEP 00.00.06.06-Gen.
Standard forms index	DEP 00.00.10.05-Gen.
Requisitions index	DEP 30.10.01.10-Gen.

1.2 GENERAL

DEP publications (procedural specification)	DEP 00.00.00.30-Gen.
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)	DEP 00.00.07.30-Gen.
The use of SI quantities and units (endorsement of ISO 31 and ISO 1000)	DEP 00.00.20.10-Gen.
Definition of temperature, pressure and toxicity levels	DEP 01.00.01.30-Gen.
Preparation of process flow schemes and process engineering flow schemes	DEP 01.00.02.11-Gen.
Preparation of safeguarding memoranda and process safeguarding flow schemes	DEP 01.00.02.12-Gen.
Asset breakdown for onshore facilities	DEP 01.00.09.10-Gen.
Preparation and microfilming of technical drawings	DEP 02.00.00.10-Gen.
Steam injection systems for safeguarding thermal cracking units	DEP 10.02.51.11-Gen.
Basic data and phase behaviour methods	DEP 20.00.10.10-Gen.
Glycol-type gas dehydration systems	DEP 20.04.10.10-Gen.
Human factors engineering in projects	DEP 30.00.60.10-Gen.
Human factors engineering - Summary of ISO standards	DEP 30.00.60.11-Gen.
Human factors engineering - investment justification model	DEP 30.00.60.12-Gen.
Human factors engineering - valve analysis	DEP 30.00.60.13-Gen.
Human factors engineering - application during construction	DEP 30.00.60.14-Gen.
Human factors engineering - human/machine interface and control room design	DEP 30.00.60.15-Gen.
Human factors engineering - attention hierarchy coding for graphical displays	DEP 30.00.60.16-Gen.
Plant model construction and review	DEP 30.10.05.11-Gen.
Capital project coding system	DEP 40.10.01.11-Gen.
Spare parts	DEP 70.10.90.11-Gen.
Area classification (amendments/supplements to IP 15)	DEP 80.00.10.10-Gen.
Project quality assurance	DEP 82.00.10.10-Gen.
Engineering information specification (EIS)	DEP 82.00.10.30-Gen.

2. MECHANICAL ENGINEERING

2.1 GENERAL

Title	DEP Number
Heat transfer fluid (HTF) systems	DEP 20.05.50.10-Gen.
Fuel systems	DEP 20.05.60.10-Gen.
Equipment in LPG installations	DEP 30.06.10.11-Gen.
Pressurised bulk storage installations for LPG	DEP 30.06.10.12-Gen.
LPG bulk transfer and transportation	DEP 30.06.10.13-Gen.
ESD systems for loading and discharging refrigerated and pressurised LNG and LPG carriers	DEP 30.06.10.20-Gen.
Glass lined steel process equipment	DEP 30.48.70.30-Gen.
Chemical injection facilities	DEP 31.01.10.10-Gen.
Loading facilities for bulk road vehicles	DEP 31.06.11.11-Gen.
Symbols and identification system – Mechanical	DEP 31.10.03.10-Gen.
Gaseous oxygen systems	DEP 31.10.11.31-Gen.
Instrument air supply	DEP 31.37.00.11-Gen.
Diesel oil systems in oil and gas production facilities	DEP 37.05.10.11-Gen.

2.2 EQUIPMENT

2.2.1 General/noise/safety relief systems

Noise control (amendments/supplements to ISO 15664)	DEP 31.10.00.31-Gen.
Fabric expansion joints - Selection and application	DEP 31.24.40.12-Gen.
Filters for removing particles from hydroprocesser feeds - type selection and design rules	DEP 31.27.21.10-Gen.
Dry electrostatic precipitators	DEP 31.27.21.30-Gen.
Steam jet vacuum ejector sets	DEP 31.29.56.31-Gen.
Hydraulic systems for remote operation of shut-off valves	DEP 31.36.10.30-Gen.
PTFE bellows	DEP 31.38.82.31-Gen.
Acoustic insulation for piping (amendments/supplements to ISO 15665)	DEP 31.46.00.31-Gen.
Relief valves - selection, sizing and specification	DEP 80.36.00.30-Gen.
Pressure relief, emergency depressuring, flare and vent systems	DEP 80.45.10.10-Gen.
Interlocking systems for safety/relief valves	DEP 80.46.30.11-Gen.

2.2.2 Boilers/furnaces

Title	DEP Number
Water-tube boilers	DEP 30.75.10.30-Gen.
Gas turbine heat recovery steam generators	DEP 30.75.10.31-Gen.
Fired heaters, including waste heat boilers (amendments/supplements to API 560)	DEP 31.24.00.30-Gen.
Calculation of heater-tube thickness (endorsement of ISO 13704)	DEP 31.24.00.31-Gen.

2.2.3 Heat exchangers

Fouling resistances for heat transfer equipment	DEP 20.21.00.31-Gen.
Printed circuit heat exchangers - Selection and application	DEP 31.21.01.11-Gen.
Shell-and-tube heat exchangers (amendments/supplements to ISO 16812)	DEP 31.21.01.30-Gen.
Selected construction materials for shell-and-tube heat exchangers	DEP 31.21.01.31-Gen.

Plate and frame heat exchangers (amendments/supplements to ISO 15547)	DEP 31.21.01.32-Gen.
Printed circuit heat exchangers - Design and fabrication	DEP 31.21.01.33-Gen.
Air-cooled heat exchangers (amendments/supplements to ISO 13706)	DEP 31.21.70.31-Gen.

2.2.4 Vessels/columns/reactors

Internals for columns	DEP 31.20.20.31-Gen.
Rotating disc contactors	DEP 31.22.01.31-Gen.
Gas/liquid separators - Type selection and design rules	DEP 31.22.05.11-Gen.
Liquid/liquid and gas/liquid/liquid (three-phase) separators - Type selection and design rules	DEP 31.22.05.12-Gen.
Pressure vessels (amendments/supplements to PD 5500)	DEP 31.22.10.32-Gen.
Manufacturing report for pressure vessels	DEP 31.22.10.35-Gen.
Unfired pressure vessels (amendments/supplements to EN 13445)	DEP 31.22.11.32-Gen.
Pressure vessels (amendments/supplements to ASME VIII, Division 1 and Division 2)	DEP 31.22.20.31-Gen.
Glass-fibre reinforced epoxy and polyester vessels - design and installation	DEP 31.22.30.14-Gen.
Materials and fabrication requirements for Cr-Mo heavy wall pressure vessels (amendments/supplements to API RP 934)	DEP 30.10.02.32-Gen.

2.2.5 Rotating equipment

Title	DEP Number
Hoisting facilities and weather protection for rotating equipment	DEP 31.25.00.10-Gen.
Installation of rotating equipment (amendments/supplements to API RP 686)	DEP 31.29.00.10-Gen.
Oil mist lubrication systems	DEP 31.29.00.30-Gen.
Petroleum and natural gas industries - high-speed special-purpose gear units (amendments/supplements to ISO 13691)	DEP 31.29.00.32-Gen.
Shaft sealing systems for centrifugal and rotary pumps (amendments/supplements to API 682)	DEP 31.29.00.33-Gen.
Dry gas seal systems for centrifugal compressors	DEP 31.29.00.34-Gen.
Flexible couplings for mechanical power transmission - special purpose applications (amendments/ supplements to ISO 10441 and ISO 14691)	DEP 31.29.00.36-Gen.
Pumps - type selection	DEP 31.29.02.11-Gen.
Centrifugal pumps (amendments/supplements to ISO 13709)	DEP 31.29.02.30-Gen.
Centrifugal submerged motor pumps (in refrigerated product or pressurised storage service)	DEP 31.29.06.30-Gen.
Seawater lift pumps	DEP 31.29.06.31-Gen.
Reciprocating positive displacement pumps and metering pumps (amendments/supplements to API 674 and API 675)	DEP 31.29.12.30-Gen.
Compressors - Selection, testing and installation	DEP 31.29.40.10-Gen.
Axial, centrifugal and expander compressors (amendments/supplements to API Std 617)	DEP 31.29.40.30-Gen.
Reciprocating compressors (amendments/supplements to API 618)	DEP 31.29.40.31-Gen.
Rotary-type positive displacement compressors (amendments/supplements to API 619)	DEP 31.29.40.32-Gen.
Packaged, integrally geared, centrifugal plant and instrument air compressors (amendments/supplements to API Std 672)	DEP 31.29.40.33-Gen.
Liquid ring vacuum pumps and compressors (amendments/supplements to API 681)	DEP 31.29.42.30-Gen.
Centrifugal fans (amendments/supplements to API 560, Appendix E)	DEP 31.29.47.30-Gen.
Steam turbines - Selection, testing and installation	DEP 31.29.60.10-Gen.
General-purpose steam turbines (amendments/supplements to API Std 611)	DEP 31.29.60.30-Gen.
Special-purpose steam turbines (amendments/supplements to ISO 10437)	DEP 31.29.60.31-Gen.
Lubrication, shaft-sealing and control oil systems and auxiliaries for petroleum, chemical and gas industry services (amendments/supplements to API 614)	DEP 31.29.60.32-Gen.
Combustion gas turbines - Selection, testing and installation	DEP 31.29.70.11-Gen.
Combustion gas turbines (amendments/supplements to API 616)	DEP 31.29.70.31-Gen.

Gas turbine combustion air intake and exhaust systems	DEP 31.29.70.32-Gen.
Diesel engines	DEP 31.29.80.30-Gen.
Spark ignited gas fuelled engines	DEP 31.29.90.30-Gen.

2.2.6 Piping and pipelines

Title	DEP Number
Side-entry mixers for storage tanks & vessels	DEP 31.51.10.31-Gen.
Fabrication of heater piping	DEP 31.24.49.31-Gen.
Pipeline transportation systems - pipeline valves (amendments/supplements to ISO 14313)	DEP 31.36.00.30-Gen.
Piping classes - basis of design	DEP 31.38.01.10-Gen.
Piping - general requirements	DEP 31.38.01.11-Gen.
Piping classes - refining and chemicals	DEP 31.38.01.12-Gen.
Compilation of bill of material for piping isometrics	DEP 31.38.01.13-Gen.
Piping classes - exploration and production	DEP 31.38.01.15-Gen.
Compilation of a specification for piping systems	DEP 31.38.01.21-Gen.
Pipe supports	DEP 31.38.01.29-Gen.
Shop and field fabrication of steel piping	DEP 31.38.01.31-Gen.
Protective steam heating of piping systems	DEP 31.38.30.11-Gen.
Hot-tapping on pipelines, piping and equipment	DEP 31.38.60.10-Gen.
Pipeline engineering	DEP 31.40.00.10-Gen.
Corrosion mitigation strategy for wet sour gas carbon steel pipelines	DEP 31.40.00.19-Gen.
Riser design	DEP 31.40.10.10-Gen.
Design of multiple-pipe slug catchers	DEP 31.40.10.12-Gen.
Design of pipeline pig trap systems	DEP 31.40.10.13-Gen.
Pipeline overpressure protection	DEP 31.40.10.14-Gen.
Analysis of spans for submerged pipelines	DEP 31.40.10.15-Gen.
Upheaval buckling of pipelines	DEP 31.40.10.16-Gen.
Pipeline/rawlgear interaction	DEP 31.40.10.17-Gen.
GRP pipelines and piping systems (amendments/supplements to ISO 14692)	DEP 31.40.10.19-Gen.
Spoolable fibre-reinforced plastic pipes	DEP 31.40.10.20-Gen.
CRA clad or lined steel pipe (amendments/supplements to API Spec 5LD)	DEP 31.40.20.32-Gen.
Linepipe induction bends (amendments/supplements to ISO 15590-1)	DEP 31.40.20.33-Gen.
Welded and seamless duplex and super duplex stainless steel line pipe (amendments/supplements to API Spec 5LC)	DEP 31.40.20.34-Gen.
Linepipe for non-critical service (amendments/supplements to ISO 3183-1)	DEP 31.40.20.35-Gen.
Weldable martensitic stainless steel line pipe for use in oil and gas operations (amendments/supplements to API Spec 5LC)	DEP 31.40.20.36-Gen.
Linepipe for critical service (amendments/supplements to ISO 3183-3)	DEP 31.40.20.37-Gen.
Pipeline fittings (amendments/supplements to MSS SP-75)	DEP 31.40.21.30-Gen.
Pipeline isolating joints (amendments/supplements to MSS SP-75)	DEP 31.40.21.31-Gen.
Pig signallers: Intrusive type	DEP 31.40.21.33-Gen.
Carbon and low alloy steel pipeline flanges for use in oil and gas operations (amendments/supplements to MSS SP-44)	DEP 31.40.21.34-Gen.
Thermoplastic lined pipelines	DEP 31.40.30.34-Gen.
Hydrostatic pressure testing of new pipelines	DEP 31.40.40.38-Gen.
Precommissioning of pipelines	DEP 31.40.50.30-Gen.

Pipeline leak detection	DEP 31.40.60.11-Gen.
Pipeline Repairs	DEP 31.40.60.12-Gen.
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Corrosion-resistant alloy seamless tubes for use as casing, tubing and coupling stock - technical delivery conditions (endorsement of ISO 13680)	DEP 39.01.20.30-Gen.
Care and use of casing and tubing (endorsement of ISO 10405)	DEP 39.01.20.31-Gen.
Shop and field fabrication of orifice meter runs	DEP 61.38.10.10-Gen.
Welding of pipelines and related facilities (amendments/supplements to ANSI/API STD 1104)	DEP 61.40.20.30-Gen.
Field welding of duplex and super duplex stainless steel pipelines (amendments/supplements to API 1104)	DEP 61.40.20.31-Gen.

2.3 CONSTRUCTION MATERIALS

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Metallic materials - prevention of brittle fracture	DEP 30.10.02.31-Gen.
Materials for high-temperature conversion process furnace parts	DEP 31.24.40.31-Gen.

2.4 WELDING, GENERAL

Welding of metals (amendments/supplements to API RP 582)	DEP 30.10.60.18-Gen.
Welding on pressurised pipes (amendments/supplements to ANSI/API RP 1107)	DEP 30.10.60.30-Gen.
Oxidation of stainless steel weldments	DEP 30.10.60.31-Gen.

2.5 MAINTENANCE AND INSPECTION

Field inspection prior to commissioning of mechanical equipment	DEP 61.10.08.11-Gen.
Equipment and tools for maintenance	DEP 70.08.10.11-Gen.
Mechanical maintenance equipment, tools and bolt tensioning	
Equipment and tools for maintenance and inspection	
Electrical workshop - Test equipment and tools	DEP 70.08.10.13-Gen.
Equipment record cards	DEP 70.10.01.10-Gen.
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Cleaning of equipment	DEP 70.10.80.11-Gen.

2.6 OFFSHORE APPLICATIONS

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Design of sea water systems and utility heat transfer systems for offshore installations	DEP 37.05.10.10-Gen.
Design of hose bulk transfer facilities for offshore installations	DEP 37.05.10.12-Gen.
Site specific assessment of mobile offshore jack-up units (amendments/supplements to the SNAME guideline and recommended practice)	DEP 37.11.00.30-Gen.
Drain systems for offshore installations	DEP 37.14.10.10-Gen.
Design of offshore living quarters	DEP 37.17.10.10-Gen.
Design of offshore temporary refuges	DEP 37.17.10.11-Gen.
Design of steel substructures for fixed offshore platforms (amendments/supplements to API RP 2A-LRFD)	DEP 37.19.00.30-Gen.
Weldable structural steels for fixed offshore structures (amendments/supplements to BS 7191)	DEP 37.19.10.30-Gen.
Structural inspection of offshore installations	DEP 37.19.60.10-Gen.

Firewater pumps for offshore installations	DEP 37.29.01.10-Gen.
Subsea production systems (endorsement of ISO 13628 and API 17 series)	DEP 37.80.00.30-Gen.
Mooring of mobile units	DEP 37.91.10.11-Gen.
Oil loading and discharge hoses for offshore mooring installations (amendments/supplements to OCIMF Guide)	DEP 37.91.20.30-Gen.
Pedestal cranes (amendments/supplements to API Spec 2C)	DEP 37.92.10.30-Gen.
Pedestal cranes (amendments/supplements Lloyd's code and BS 2573)	DEP 37.92.10.31-Gen.
Offshore facilities life-saving appliance requirements (amendments/supplements to SOLAS)	DEP 80.80.00.10-Gen.

3. INSTRUMENT ENGINEERING AND TELECOMMUNICATIONS

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Data acquisition and control architecture (DACA)	DEP 32.01.20.10-Gen.
Instrumentation symbols and identification on process engineering flow schemes	DEP 32.10.03.10-Gen.
Control system and instrumented protective functions for fired equipment - system for a single-burner furnace (S24.024 and S 24.026)	DEP 32.24.20.30-Gen.
Control system and instrument protective functions for fired equipment - system for an automatically started, gas fired, natural draught, multi-burner furnace, safeguarded by pilot burners (S 24.033)	DEP 32.24.20.33-Gen.
Control system and instrumented protective functions for fired equipment - system for a manually-started, forced draught, multi-burner furnace or boiler (S 24.021)	DEP 32.24.20.37-Gen.
Control system and instrumented protective functions for fired equipment - system for an automatically-started, forced draught, multi-burner furnace or boiler (S24.030 or S 24.034)	DEP 32.24.20.38-Gen.
Control system and instrumented protective functions for fired equipment - system for a tangentially gas-fired CO boiler (S 24.036)	DEP 32.24.20.40-Gen.
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Fire, gas and smoke detection systems	DEP 32.30.20.11-Gen.
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On-line process stream analysis - Sample take-off and transportation	DEP 32.31.50.10-Gen.
- Sample conditioning	DEP 32.31.50.11-Gen.
- Analysers	DEP 32.31.50.12-Gen.
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Telecommunications standards	DEP 32.71.00.11-Gen.
Drilling communications	DEP 32.71.00.13-Gen.
Telecommunications towers and guyed masts	DEP 32.71.00.14-Gen.
Design and installation of telephone cabling	DEP 32.71.00.16-Gen.
Structured cabling systems for telecommunications	DEP 32.71.00.30-Gen.
Microwave systems	DEP 32.71.00.31-Gen.
Classification and implementation of instrumented protective functions	DEP 32.80.10.10-Gen.
Management of instrumented protective functions	DEP 32.80.10.12-Gen.
Instrumented protective systems	DEP 32.80.10.30-Gen.
Inspection and functional testing of instruments	DEP 62.10.08.11-Gen.

4. ELECTRICAL ENGINEERING

Title	DEP Number
Electrical engineering guidelines	DEP 33.64.10.10-Gen.
Electrical network monitoring and control system - application	DEP 33.64.10.11-Gen.
Electrical supply and generation - design and operation	DEP 33.64.10.12-Gen.
Electrical network monitoring and control system - specification	DEP 33.64.10.32-Gen.
Electromagnetic compatibility (EMC) requirements	DEP 33.64.10.33-Gen.
Synchronous AC machines (Amendments/supplements to IEC 60034-1)	DEP 33.65.11.31-Gen.
Packaged unit AC generator sets	DEP 33.65.11.32-Gen.
Power transformers (amendments/supplements to IEC 76 and IEC 726)	DEP 33.65.40.31-Gen.
Static DC uninterruptible power supply (DC UPS) units	DEP 33.65.50.31-Gen.
Static AC uninterruptible power supply unit (static AC UPS unit)	DEP 33.65.50.32-Gen.
Solar power systems	DEP 33.65.60.30-Gen.
Electric machines - Cage-induction types (Amendments/supplements to IEC 60034-1)	DEP 33.66.05.31-Gen.
Electrical variable speed drive systems	DEP 33.66.05.33-Gen.
Low-voltage switchgear and controlgear assemblies (amendments/supplements to IEC 439-1)	DEP 33.67.01.31-Gen.
High-voltage switchgear and controlgear assemblies (amendments/supplements to IEC 298)	DEP 33.67.51.31-Gen.
Electrical heating system for frost heave prevention of refrigerated hydrocarbon storage tanks	DEP 33.68.30.31-Gen.
Electrical trace heating	DEP 33.68.30.32-Gen.
Electrical process heaters	DEP 33.68.30.33-Gen.
Navigational aids for offshore structures	DEP 33.80.00.30-Gen.
Field commissioning and maintenance of electrical installations and equipment	DEP 63.10.08.11-Gen.

5. CIVIL ENGINEERING (including steel structures)

Title	DEP Number
Heating, ventilation and air conditioning for plant buildings	DEP 31.76.10.10-Gen.
Installation, testing and balancing, and commissioning of HVAC systems	DEP 31.76.10.11-Gen.
Minimum requirements for structural design and engineering	DEP 34.00.01.30-Gen.
Site investigations	DEP 34.11.00.10-Gen.
Site preparation and earthworks including tank foundations and tank farms	DEP 34.11.00.11-Gen.
Geotechnical and foundation engineering	DDD 34.11.00.12-Gen.
Roads, paving, surfacing, slope protection and fencing	DEP 34.13.20.31-Gen.
Drainage and primary treatment facilities	DEP 34.14.20.31-Gen.
Minimum requirements for design and engineering of buildings	DEP 34.17.00.32-Gen.
Blast resilient and blast resistant control buildings/field auxiliary rooms	DEP 34.17.10.30-Gen.
Laboratories	DEP 34.17.10.31-Gen.
Fireproofing of steel structures	DEP 34.19.20.11-Gen.
Reinforced concrete foundations and structures	DEP 34.19.20.31-Gen.
Steel stacks (amendments/supplements to CICIND Model Code)	DEP 34.24.26.31-Gen.
Reinforced concrete stacks	DEP 34.24.27.31-Gen.
Steel structures	DEP 34.28.00.31-Gen.
Standard vertical tanks - Selection, design and fabrication	DEP 34.51.01.31-Gen.
Mounded horizontal cylindrical vessels for pressurised storage of LPG at ambient temperatures (endorsement of EEMUA publication No. 190)	DEP 34.51.11.30-Gen.
Demolition of storage tanks (endorsement of EEMUA 154)	DEP 34.51.90.10-Gen.
Standard vertical tanks - Field erection and testing	DEP 64.51.01.31-Gen.
Field inspection, maintenance and repair of vertical steel storage tanks	DEP 70.51.10.11-Gen.

6. SURFACE PROTECTION (coatings, linings and cathodic protection)

Title	DEP Number
Cathodic protection	DEP 30.10.73.10-Gen.
Design of cathodic protection systems for onshore buried pipelines	DEP 30.10.73.31-Gen.
Design of cathodic protection systems for offshore pipelines (amendments/supplements to DNV RP B401)	DEP 30.10.73.32-Gen.
Installation and commissioning of cathodic protection systems	DEP 30.10.73.33-Gen.
Thermal insulation (amendments/supplements to the CINI Handbook)	DEP 30.46.00.31-Gen.
Painting and coating of new equipment	DEP 30.48.00.31-Gen.
Cement lining of pipes	DEP 30.48.30.31-Gen.
Thermal sprayed aluminium coatings	DEP 30.48.40.31-Gen.
Electroless nickel plating (amendments/supplements to ASTM B 733)	DEP 30.48.41.31-Gen.
Rubber-lined process equipment	DEP 30.48.60.10-Gen.
Design and installation of chemical-resistant linings for concrete structures	DEP 30.48.60.12-Gen.
Design and installation of chemical-resistant brick lining for process equipment	DEP 30.48.60.13-Gen.
Concrete coating of linepipe	DEP 31.40.30.30-Gen.
External polyethylene and polypropylene coating for line pipe	DEP 31.40.30.31-Gen.
External fusion-bonded epoxy powder coating for line pipe	DEP 31.40.30.32-Gen.
Bituminous enamel coating of steel linepipe	DEP 31.40.30.33-Gen.

Internal coating of line pipe for non-corrosive gas transmission service (amendments/supplements to API RP 5L2)	DEP 31.40.30.35-Gen.
Polychloroprene riser coatings	DEP 31.40.30.36-Gen.
Liquid rehabilitation coating of onshore pipelines	DEP 31.40.30.38-Gen.
Design of cathodic protection systems for new fixed offshore steel structures (amendments/supplements to DNV RP B401)	DEP 37.19.30.30-Gen.
Refractory bricks and shapes	DEP 44.24.90.31-Gen.
Refractory materials for sulphur recovery units (claus and scot)	DEP 64.24.32.11-Gen.
Insulating and dense refractory concrete linings	DEP 64.24.32.30-Gen.
Maintenance painting	DEP 70.48.10.10-Gen.

7. SAFETY AND FIRE FIGHTING

Water-based fire protection systems for offshore facilities	DEP 80.47.10.12-Gen.
Assessment of the fire safety of onshore installations	DEP 80.47.10.30-Gen.
Active fire protection systems and equipment for onshore facilities	DEP 80.47.10.31-Gen.
Fire-fighting agents and movable fire fighting equipment for onshore applications	DEP 80.47.10.32-Gen.
Fire-fighting vehicles and fire stations	DEP 80.47.10.33-Gen.
Control and mitigation of fires and explosions on offshore production installations (amendments/supplements to ISO 13702)	DEP 80.80.00.11-Gen.
Offshore production installations - Requirements and guidelines for emergency response (amendments/supplements to ISO 15544)	DEP 80.80.00.12-Gen.
Offshore production installations - Guidelines on tools and techniques for identification and assessment of hazardous events (amendments/supplements to ISO 17776)	DEP 80.80.00.13-Gen.

8. DRILLING AND PRODUCTION

Drilling fluid material - specifications and tests (endorsement of ISO 13500)	DEP 38.80.10.30-Gen.
Field testing of drilling fluids - water-based fluids (endorsement of ISO 10414-1)	DEP 38.80.10.31-Gen.
Field testing of drilling fluids – Oil based fluids (amendments/supplements to ISO 10414-2)	DEP 38.80.10.32-Gen.
Measurement of viscous properties of completion fluids (endorsement of ISO 13503-1)	DEP 38.80.10.33-Gen.
Drilling fluids - Laboratory testing (endorsement of ISO 10416)	DEP 38.80.10.34-Gen.
Specifications for cements and materials for well cementing (endorsement of ISO 10426-1)	DEP 38.80.20.30-Gen.
Testing of well cements (endorsement of ISO 10426-2))	DEP 38.80.20.31-Gen.
Performance testing of cementing float equipment (endorsement of ISO 10427-3)	DEP 38.80.20.32-Gen.
Bow-spring casing centralizers (endorsement of ISO 10427-1)	DEP 38.80.20.33-Gen.
Centraliser placement and stop-collar testing (endorsement of ISO 10427-2)	DEP 38.80.20.34-Gen.
Testing of deepwater well cement formulations (endorsement of ISO 10426-3)	DEP 38.80.20.35-Gen.
Drilling and production hoisting equipment (endorsement of ISO 13535)	DEP 38.80.30.31-Gen.
Inspection, maintenance, repair and remanufacture of hoisting equipment (endorsement of ISO 13534)	DEP 38.80.30.32-Gen.
Drilling and well servicing equipment (endorsement of ISO 14693)	DEP 38.80.30.33-Gen.
Drill pipe with weld-on tool joints (amendments/supplements to ISO 11961)	DEP 38.80.40.30-Gen.
Aluminium alloy drill pipe (endorsement of ISO 15546)	DEP 38.80.40.31-Gen.
Marine drilling riser couplings (endorsement of ISO 13625)	DEP 38.80.40.32-Gen.
Drill-through equipment (endorsement of ISO 13533)	DEP 38.80.50.30-Gen.
Drilling of well servicing structures (endorsement of ISO 13626)	DEP 38.80.60.30-Gen.
Selection of materials for life-cycle performance (EP)	DEP 39.01.10.11-Gen.
L80 13%Cr casing and tubing (amendments/supplements to ISO/DIS 11960.2)	DEP 39.01.20.10-Gen.
Testing procedures for casing and tubing connections (endorsement of ISO 13679)	DEP 39.01.20.32-Gen.
Evaluation and testing of thread compounds for use with casing, tubing and line pipe (endorsement of ISO 13678)	DEP 39.01.20.33-Gen.
Field inspection of new casing, tubing and plain-end drill pipe (endorsement of ISO 15463)	DEP 39.01.20.34-Gen.
Wellhead and christmas tree equipment (amendments and supplements to ISO 10423)	DEP 39.01.30.30-Gen.
Downhole equipment - Sub-surface safety valves (endorsement of ISO 10432)	DEP 39.01.30.31-Gen.
Downhole Equipment - Packers and bridge plugs (endorsement of ISO 14310)	DEP 39.01.30.34-Gen.
Downhole Equipment - Lock mandrels and landing nipples (endorsement of ISO 16070)	DEP 39.01.30.35-Gen.
Downhole Equipment - Side-pocket mandrels (endorsement of iso 17078-1)	DEP 39.01.30.36-Gen.
Downhole equipment - Progressive cavity pumps for artificial lift (endorsement of ISO 15136-1)	DEP 39.29.10.30-Gen.

PART II NUMERICAL INDICES

1. DEPS

1	2	3	4	5	6
DEP Number	Date of issue	Title	DEP Type	Amended by Circular No.	Custodian
00.00.00.30	Apr. 2003	DEP publications (procedural specification)	P		reeve, neil ptn gsnl-gsem/2
00.00.05.05	Apr. 2006	Index to DEP publications	-		reeve, neil ptn gsnl-gsem/2
00.00.06.06	Apr. 2006	Index to standard drawings	-		reeve, neil ptn gsnl-gsem/2
00.00.07.07	Withdrawn	<i>Standard specification index</i>			
00.00.07.30	Dec. 2000	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)	M		reeve, neil ptn gsnl-gsem/2
00.00.10.05	Apr. 2006	Standard forms index	-		reeve, neil ptn gsnl-gsem/2
00.00.20.10	Jan. 2005	The use of SI quantities and units (endorsement of ISO 31 and ISO 1000)	M		reeve, neil ptn gsnl-gsem/2
00.30.10.05	Withdrawn	<i>Standard forms – Instrumentation binder (Standard Drawings 37.001 and 37.002)</i>			
01.00.01.30	Mar. 2001	Definition of temperature, pressure and toxicity levels	T		holstvoogd, rob rd gsnl-gsgh/1
01.00.02.11	Apr. 2003	Preparation of process flow schemes and process engineering flow schemes	M		holstvoogd, rob rd gsnl-gsgh/1
01.00.02.12	Oct. 2001	Preparation of safeguarding memoranda and process safeguarding flow schemes	M		holstvoogd, rob rd gsnl-gsgh/1
01.00.04.11	Withdrawn	<i>Preparation of simplified flow schemes</i>			
01.00.09.10	Dec. 1998	Asset breakdown for onshore facilities	M		hutchinson, robin siep-ept-ps / gsnl-gsps
02.00.00.10	Oct. 1995	Preparation and microfilming of technical drawings	M	15/99, 64/2001, 56/2003	larsen, greg l gsnl-gsem/1
05.00.11.11	Withdrawn	<i>Time schedules and progress reporting for new construction projects</i>			
05.00.55.12	Withdrawn	<i>Job instructions (G-5-1)</i>			
10.02.51.11	Dec. 1994	Steam injection systems for safeguarding thermal cracking units	M		bowen, christine gsnl-gsrd
20.00.10.10	Apr. 2003	Basic data and phase behaviour methods	M		post, martin f gsnl-gsuf

20.04.10.10	Jan. 2005	Glycol-type gas dehydration systems	M		pek, barend jb gsnl-gsgl
20.05.50.10	Apr. 2006	Heat transfer fluid (HTF) systems	M		hegge, herman hj gsnl-gsru
20.05.60.10	Jul. 1996	Fuel systems	M		hegge, herman hj gsnl-gsru
20.21.00.31	Dec. 1998	Fouling resistances for heat transfer equipment	T		stomierowski, scott gsnl-gseh/2
30.00.60.10	Nov. 2003	Human factors engineering in projects	M		rensink, harrie hjt si-shs
30.00.60.11	Aug. 2005	Human factors engineering - Summary of ISO standards	M		rensink, harrie hjt si-shs
30.00.60.12	Nov. 2003	Human factors engineering - Investment justification model	M		rensink, harrie hjt si-shs
30.00.60.13	May 2004	Human factors engineering - Valve analysis	M		rensink, harrie hjt si-shs
30.00.60.14	Jan. 2005	Human factors engineering - Application during construction	M		rensink, harrie hjt si-shs
30.00.60.15	May 2004	Human factors engineering - Human/machine interface and control room design	M		rensink, harrie hjt si-shs
30.00.60.16	Apr. 2006	Human factors engineering - attention hierarchy coding for graphical displays	M		rensink, harrie hjt si-shs
30.06.10.10	Withdrawn	<i>Introduction and physical properties and characteristics of LPG</i>			
30.06.10.11	Nov. 2003	Equipment in LPG installations	M		buijs, kevin r gsnl-gslm
30.06.10.12	Nov. 2003	Pressurised bulk storage installations for LPG	M		buijs, kevin r gsnl-gslm
30.06.10.13	Dec. 2004	LPG - bulk transfer and transportation	M		buijs, kevin r gsnl-gslm
30.06.10.14	Withdrawn	<i>LPG - Cylinder filling and storage plants</i>			
30.06.10.15	Withdrawn	<i>LPG - Cylinders and skid tanks - Consumer equipment and installations</i>			
30.06.10.20	Oct. 1992	ESD systems for loading and discharging refrigerated and pressurised LNG and LPG carriers	M	17/99, 03/2002	pek, barend jb gsnl-gsgl
30.06.11.11	Withdrawn	<i>Pressure storage facilities for LPG (30.06.10.12)</i>			
30.10.01.10	Apr. 2006	Requisitions index	M		reeve, neil ptn gsnl-gsem/2
30.10.02.11	Sep. 2002	Metallic materials - selected standards	M		sargent, margaret a gsnl-gsei/1
30.10.02.13	Apr. 2003	Non-metallic materials - selection and application	M		sargent, margaret a gsnl-gsei/1
30.10.02.31	Oct. 1995	Metallic materials - prevention of brittle fracture	T	42/97	sargent, margaret a gsnl-gsei/1
30.10.02.32	Oct. 2001	Materials and fabrication requirements for Cr-Mo heavy wall pressure vessels (amendments/supplements to API RP 934)	T		sargent, margaret a gsnl-gsei/1

30.10.05.11	Jan. 2005	Plant model construction and review	P		larsen, greg l gsnl-gsem/1
30.10.40.11	Withdrawn	<i>Jointing material</i>			
30.10.60.18	May 2004	Welding of metals (amendments/supplements to API RP 582)	M	01/2006	sargent, margaret a gsnl-gsei/1
30.10.60.19	Withdrawn	<i>Welding tubular goods, pressure vessels and storage tanks</i>			
30.10.60.19	Withdrawn	<i>Welding procedure specification (binder)</i>			
30.10.60.21	Withdrawn	<i>Testing of filler metals for welding</i>			
30.10.60.22	Withdrawn	<i>Welding and inspection requirements for equipment not covered by recognized standards and/or codes</i>			
30.10.60.30	Dec. 1998	Welding on pressurised pipes (amendments/supplements to ANSI/API RP 1107)	T	15/2002, 21/2004	kerkveld, gert e gsnl-gsei/2
30.10.60.31	Dec. 1998	Oxidation of stainless steel weldments	T		kerkveld, gert e gsnl-gsei/2
30.10.73.10	Nov. 2003	Cathodic protection	M	10/2004	kapusta, sergio d gsusi-gsei/4
30.10.73.31	Dec. 1992	Design of cathodic protection systems for onshore buried pipelines	T		kapusta, sergio d gsusi-gsei/4
30.10.73.32	Jul. 1996	Design of cathodic protection systems for offshore pipelines (amendments/supplements to DNV RP B401)	T		kapusta, sergio d gsusi-gsei/4
30.10.73.33	Jan. 2000	Installation and commissioning of cathodic protection systems	T		kapusta, sergio d gsusi-gsei/4
30.46.00.31	Jan. 2005	Thermal insulation (amendments/supplements to the CINI Handbook)	T		ryan, tim tfjn gsnl-gsec
30.46.00.32	Withdrawn	<i>Thermal insulation for cold and dual-temperature services (30.46.00.31)</i>			
30.48.00.10	Withdrawn	<i>Painting and coating (30.48.00.31, 70.48.10.10)</i>			
30.48.00.31	Dec. 1995	Painting and coating of new equipment	T	80/2003	sargent, margaret a gsnl-gsei/1
30.48.30.31	Dec. 1998	Cement lining of pipes	T	15/2003	ryan, tim tfjn gsnl-gsec
30.48.40.31	Aug. 2005	Thermal sprayed aluminium coatings	T		kapusta, sergio d gsusi-gsei/4
30.48.41.31	Oct. 1995	Electroless nickel plating (amendments/supplements to ASTM B 733)	T		kerkveld, gert e gsnl-gsei/2
30.48.50.11	Withdrawn	<i>Requirements for PTFE lined piping (31.38.01.11)</i>			
30.48.50.12	Withdrawn	<i>Plastic-lined steel pipes and fittings (31.38.01.11)</i>			
30.48.50.31	Withdrawn	<i>PTFE coating of steel surfaces</i>			
30.48.50.32	Withdrawn	<i>Requirements for plastic-lined steel pipes and fittings (30.48.50.12)</i>			

30.48.60.10	Aug. 2005	Rubber-lined process equipment	M		sargent, margaret a gsnl-gsei/1
30.48.60.12	Aug. 2000	Design and installation of chemical-resistant linings for concrete structures	M		ryan, tim tfjn gsnl-gsec
30.48.60.13	Apr. 2003	Design and installation of chemical-resistant brick lining for process equipment	M		sargent, margaret a gsnl-gsei/1
30.48.60.22	Withdrawn	<i>Installation of chemical-resistant linings for concrete structures (30.48.60.12)</i>			
30.48.60.23	Withdrawn	<i>Installation of chemical-resistant brick linings for process equipment (30.48.60.13)</i>			
30.48.60.30	Withdrawn	<i>Requirements for rubber linings for process equipment and piping (30.48.60.10)</i>			
30.48.60.33	Withdrawn	<i>Chemical-resistant (ceramic) lining materials (30.48.60.12)</i>			
30.48.60.34	Withdrawn	<i>Erosion resistant refractory linings (64.24.32.30)</i>			
30.48.70.30	Aug. 2005	Glass lined steel process equipment	T		sargent, margaret a gsnl-gsei/1
30.75.10.30	Jul. 1999	Water-tube boilers	T	02/2000, 19/2001, 43/2005	gouwerok, leo pj gsnl-gseh/1
30.75.10.31	Dec. 1999	Gas turbine heat recovery steam generators	T	20/2001, 47/2001, 44/2005	gouwerok, leo pj gsnl-gseh/1
31.01.10.10	Apr. 2003	Chemical injection facilities	M		kerkveld, gert e gsnl-gsei/2
31.06.11.11	Aug.2005	Loading facilities for bulk road vehicles	M		buijs, kevin r gsnl-gslm
31.06.11.12	Withdrawn	<i>Shell loading and discharging manuals - Loading facilities for bulk road vehicles - Part 2 - Design of top loading facilities (31.06.11.11)</i>			
31.06.11.13	Withdrawn	<i>Shell loading and discharging manuals - Loading facilities for bulk road vehicles - Part 3 - Design of bottom loading facilities (31.06.11.11)</i>			
31.06.11.14	Withdrawn	<i>Shell loading and discharging manuals - Loading facilities for bulk road vehicles - Part 4 - Ancillary equipment, services and site requirements (31.06.11.11)</i>			
31.06.12.11	Withdrawn	<i>Rail tank waggon loading and discharging Part 1, Vol. 1: Selection, design and construction</i>			
31.06.12.12	Withdrawn	<i>Rail tank waggon loading and discharging Part 1, Vol. 2: Selection, design and construction</i>			

31.06.12.13	Withdrawn	<i>Rail tank waggon loading and discharging Part 2: Layouts, examples and drawings</i>			
31.10.00.31	May 2004	Noise control (amendments/supplements to ISO 15664)	T		larsen, greg l gsnl-gsem/1
31.10.03.10	Dec. 1998	Symbols and identification system – Mechanical	M		larsen, greg l gsnl-gsem/1
31.10.11.31	Oct. 2001	Gaseous oxygen systems	T	35/2003	hegge, herman hj gsnl-gsru
31.10.21.30	Withdrawn	<i>Bolt tensioning (70.08.10.11)</i>			
31.20.20.31	Sep. 2002	Internals for columns	T		bowen, christine gsnl-gsrd
31.21.00.19	Withdrawn	<i>Guide for the specification of shell-and-tube heat exchangers (31.21.00.93)</i>			
31.21.01.11	Jan. 2005	Printed circuit heat exchangers - Selection and application	M		stomierowski, scott gsnl-gseh/2
31.21.01.30	May 2004	Shell-and-tube heat exchangers (amendments/supplements to ISO 16812)	T		stomierowski, scott gsnl-gseh/2
31.21.01.31	Dec. 2004	Selected construction materials for shell-and-tube heat exchangers	T		sargent, margaret a gsnl-gsei/1
31.21.01.32	Sep. 2002	Plate and frame heat exchangers (amendments/supplements to ISO 15547)	T		stomierowski, scott gsnl-gseh/2
31.21.01.33	Jan. 2005	Printed circuit heat exchangers - design and fabrication	T		stomierowski, scott gsnl-gseh/2
31.21.20.31	Withdrawn	<i>Shell-and-tube heat exchangers with hot-dip galvanized tubes</i>			
31.21.70.31	Mar. 2001	Air-cooled heat exchangers (amendments/supplements to ISO 13706)	T		stomierowski, scott gsnl-gseh/2
31.22.01.31	Jan. 2005	Rotating disc contactors	T		de snaijer, arie a gsnl-gsem/3
31.22.05.11	Sep. 2002	Gas/liquid separators - Type selection and design rules	M	81/2004, 04/2006	bowen, christine gsnl-gsrd
31.22.05.12	Dec. 2004	Liquid/liquid and gas/liquid/liquid separators - Type selection and design rules	M		bowen, christine gsnl-gsrd
31.22.10.31	Withdrawn	<i>Pressure vessels (amendments/supplements to BS 1515 Part 1)</i>			
31.22.10.32	Mar. 2001	Pressure vessels (amendments/supplements to PD 5500)	T	22/2004	de snaijer, arie a gsnl-gsem/3
31.22.10.33	Withdrawn	<i>Tolerances for pressure vessels (31.22.10.32)</i>			
31.22.10.34	Withdrawn	<i>Pressure vessels (amendments/supplements to AS 1210)</i>			
31.22.10.35	Aug. 2005	Manufacturing report for pressure vessels	T		totty, john gsuk-gssc

31.22.10.36	Withdrawn	<i>LPG storage vessels for aboveground storage of C₃ and heavier hydrocarbons (30.06.10.12, 31.22.10.32)</i>			
31.22.11.32	May 2004	Unfired pressure vessels (amendments/supplements to EN 13445)	T	45/2005	de snaijer, arie a gsnl-gsem/3
31.22.20.31	Mar. 2001	Pressure vessels (amendments/supplements to ASME Section VIII, Division 1 and Division 2)	T	23/2004	de snaijer, arie a gsnl-gsem/3
31.22.30.14	Sep. 2002	Glass-fibre reinforced epoxy, polyester and vinyl ester vessels and tanks	M		sargent, margaret a gsnl-gsei/1
31.22.30.24	Withdrawn	<i>Installation of glass-fibre reinforced epoxy vessels and equipment (31.22.30.14)</i>			
31.22.30.34	Withdrawn	<i>Glass-fibre reinforced epoxy and polyester vessels - manufacturing requirements (31.22.30.14)</i>			
31.22.90.30	Withdrawn	<i>Seamless steel transportable gas containers (endorsement of BS 5045-1)</i>			
31.24.00.30	Dec. 2004	Fired heaters, including waste heat boilers (amendments/supplements to ISO 13705)	T	46/2005	gouwerok, leo pj gsnl-gseh/1
31.24.00.31	Dec. 2004	Calculation of heater-tube thickness (endorsement of ISO 13704)	T		gouwerok, leo pj gsnl-gseh/1
31.24.15.31	Withdrawn	<i>SIPM-type vertical furnaces, including waste heat boilers (31.24.00.30)</i>			
31.24.40.12	Oct. 2001	Fabric expansion joints	M		sargent, margaret a gsnl-gsei/1
31.24.40.31	Dec. 2000	Materials for high-temperature conversion process furnace parts	T		sargent, margaret a gsnl-gsei/1
31.24.49.31	Dec. 1999	Fabrication of heater piping	T		sargent, margaret a gsnl-gsei/1
31.24.66.11	Withdrawn	<i>Mobile ignition unit for furnaces and steam boilers</i>			
31.24.66.12	Withdrawn	<i>Mobile ignition unit for LMV line burners of sulphur recovery units</i>			
31.25.00.10	Dec. 1999	Hoisting facilities and weather protection for rotating equipment	M		ravesloot, wim gsnl-gser
31.27.21.10	Mar. 2001	Filters for removing particles from hydroprocesser feeds - type selection and design rules	M		giles, steve p gsusi-gsuf
31.27.21.30	Nov. 2003	Dry electrostatic precipitators	T	09/2004	dries, huub hwa gsnl-gsrc
31.29.00.10	Nov. 2003	Installation of rotating equipment (amendments/supplements to API RP 686)	M	83/2004	ravesloot, wim gsnl-gser
31.29.00.30	Dec. 2000	Oil mist lubrication systems	T		ravesloot, wim gsnl-gser
31.29.00.31	Withdrawn	<i>Noise limitation (31.10.00.31)</i>			

31.29.00.32	Nov. 2003	Petroleum and natural gas industries - high-speed special-purpose gear units (amendments/supplements to ISO 13691)	T		lavesloot, wim gsni-gser
31.29.00.33	Jul. 1998	Shaft sealing systems for centrifugal and rotary pumps (amendments/supplements to API 682)	T	24/2004	lavesloot, wim gsni-gser
31.29.00.34	Jul. 1998	Dry gas seal systems for centrifugal compressors	M		lavesloot, wim gsni-gser
31.29.00.36	Oct. 2001	Flexible couplings for mechanical power transmission - special purpose applications (amendments/ supplements to ISO 10441 and ISO 14691)	T		lavesloot, wim gsni-gser
31.29.02.11	Aug. 2005	Pumps - Type Selection	M		lavesloot, wim gsni-gser
31.29.02.30	May 2004	Centrifugal pumps (amendments/supplements to ISO 13709)	T	51/2004, 21/2005, 02/2006	lavesloot, wim gsni-gser
31.29.05.31	Withdrawn	<i>Vertical in-line centrifugal pumps</i>			
31.29.06.30	Apr. 2003	Centrifugal submerged motor pumps (in refrigerated product or pressurised storage service)	T		lavesloot, wim gsni-gser
31.29.06.31	Nov. 2003	Seawater lift pumps	T		lavesloot, wim gsni-gser
31.29.12.30	Dec. 1999	Reciprocating positive displacement pumps and metering pumps (amendments/supplements to API 674 and API 675)	T	01/2002, 25/2004, 50/2004	lavesloot, wim gsni-gser
31.29.40.10	Jul. 1998	Compressors - Selection, testing and installation	M		lavesloot, wim gsni-gser
31.29.40.30	Apr. 2006	Axial, centrifugal and expander compressors (amendments/supplements to API Std 617)	T		lavesloot, wim gsni-gser
31.29.40.31	Dec. 1999	Reciprocating compressors (amendments/supplements to API Std 618)	T	06/2000, 48/2001, 16/2003, 26/2004	lavesloot, wim gsni-gser
31.29.40.32	Dec. 1999	Rotary-type positive displacement compressors (amendments/supplements to API 619)	T	27/2004	lavesloot, wim gsni-gser
31.29.40.33	Sep. 2002	Packaged, integrally geared, centrifugal plant and instrument air compressors (amendments/supplements to API Std 672)	T		lavesloot, wim gsni-gser
31.29.42.30	Dec. 2004	Liquid ring vacuum pumps and compressors (amendments/supplements to API Std 681)	T		lavesloot, wim gsni-gser
31.29.47.30	Jan. 1998	Centrifugal fans (amendments/supplements to API 560 Appendix E)	T	27/99, 29/2004	lavesloot, wim gsni-gser
31.29.56.31	Dec. 1997	Steam jet vacuum ejector sets	T	28/99	giles, steve p gsusi-gsuf
31.29.60.10	Apr. 2003	Steam turbines - Selection, testing and installation	M		lavesloot, wim gsni-gser

31.29.60.30	Aug. 2000	General-purpose steam turbines (amendments/supplements to API Std 611)	T		ravesloot, wim gsnl-gser
31.29.60.31	Aug. 2005	Special-purpose steam turbines (amendments/supplements to ISO 10437)	T		ravesloot, wim gsnl-gser
31.29.60.32	Dec. 1999	Lubrication, shaft-sealing and control oil systems and auxiliaries for petroleum, chemical and gas industry services (amendments/supplements to API 614)	T		ravesloot, wim gsnl-gser
31.29.70.11	Dec. 1998	Combustion gas turbines - Selection, testing and installation	M	30/2004	ravesloot, wim gsnl-gser
31.29.70.31	Dec. 1999	Combustion gas turbines (amendments/supplements to API 616)	T	31/2004	ravesloot, wim gsnl-gser
31.29.70.32	Dec. 1999	Gas turbine combustion air intake and exhaust systems	T	47/2005	ravesloot, wim gsnl-gser
31.29.80.30	Dec. 2000	Diesel engines	T		ravesloot, wim gsnl-gser
31.29.90.30	Mar. 2001	Spark ignited gas fuelled engines	T		ravesloot, wim gsnl-gser
31.36.00.30	Oct.2001	Pipeline transportation systems - pipeline valves (amendments/supplements to ISO 14313)	T		oude hengel, jan j siep-ept-per
31.36.10.30	Sep. 2002	Hydraulic systems for remote operation of shut-off valves	T	19/2005	de snajer, arie a gsnl-gsem/3
31.37.00.11	Jan. 2005	Instrument air supply	M		hegge, herman hj gsnl-gsru
31.38.01.10	Apr. 2006	Piping classes - basis of design	M		reeve, neil ptn gsnl-gsem/2
31.38.01.11	Aug. 2005	Piping - general requirements	M		larsen, greg l gsnl-gsem/1
31.38.01.12	Apr. 2006	Piping classes - Refining and chemicals	M		reeve, neil ptn gsnl-gsem/2
31.38.01.13	Dec. 1998	Compilation of bill of material for piping isometrics	M	26/2002	reeve, neil ptn gsnl-gsem/2
31.38.01.15	Jan. 2006	Piping classes - exploration and production	M		reeve, neil ptn gsnl-gsem/2
31.38.01.21	Dec. 1998	Compilation of a specification for piping systems	M		reeve, neil ptn gsnl-gsem/2
31.38.01.29	Jan. 2005	Pipe supports	T		larsen, greg l gsnl-gsem/1
31.38.01.31	Aug. 2005	Shop and field fabrication of piping	T		larsen, greg l gsnl-gsem/1
31.38.30.11	Dec. 1997	Protective steam heating of piping systems	M	51/2001	larsen, greg l gsnl-gsem/1
31.38.60.10	Apr. 2006	Hot-tapping on pipelines, piping and equipment	M		oude hengel, jan j siep-ept-per
31.38.70.24	Withdrawn	<i>Design and installation of glass-fibre reinforced epoxy and polyester piping (31.40.10.19)</i>			
31.38.70.25	Withdrawn	<i>Fabrication and installation of thermoplastics piping systems (31.38.01.11)</i>			

31.38.70.34	Withdrawn	Requirements for glass-fibre reinforced epoxy pipes and fittings (31.38.70.37)			
31.38.70.35	Withdrawn	Requirements for glass-fibre reinforced polyester pipes and fittings (31.38.70.37)			
31.38.70.36	Withdrawn	Requirements for thermoplastics pipes and fittings (31.38.01.11)			
31.38.70.37	Withdrawn	Requirements for glass-fibre reinforced epoxy and polyester pipes and fittings (31.40.10.19)			
31.38.82.31	Sep. 2002	PTFE bellows	T		sargent, margaret a gsnl-gsei/1
31.40.00.10	Nov. 1993	Pipeline engineering	M	16/2000, 12/2002, 60/2003, 33/2004	oude hengel, jan j siep-ept-per
31.40.00.19	Apr. 2003	Corrosion mitigation strategy for wet sour gas carbon steel pipelines	M		kerkveld, gert e gsnl-gsei/2
31.40.10.10	Dec. 1999	Riser design	M	16/2002	oude hengel, jan j siep-ept-per
31.40.10.12	Jul. 1998	Design of multiple-pipe slug catchers	M	17/2002, 61/2003	oude hengel, jan j siep-ept-per
31.40.10.13	Dec. 1998	Design of pipeline pig trap systems	T	18/2002, 34/2004	oude hengel, jan j siep-ept-per
31.40.10.14	Nov. 2003	Pipeline overpressure protection	M		oude hengel, jan j siep-ept-per
31.40.10.15	Dec. 1997	Analysis of spans for submerged pipelines	M		oude hengel, jan j siep-ept-per
31.40.10.16	Apr. 2006	Upheaval buckling of pipelines	M		oude hengel, jan j siep-ept-per
31.40.10.17	Apr. 2006	Pipeline/rawlgear interaction	M		oude hengel, jan j siep-ept-per
31.40.10.19	Aug. 2005	GRP pipelines and piping systems (amendments/supplements to ISO 14692)	M		sargent, margaret a gsnl-gsei/1
31.40.10.20	Aug. 2005	Spoolable fibre-reinforced plastic pipes	T		sargent, margaret a gsnl-gsei/1
31.40.10.31	Withdrawn	Glass fibre reinforced plastic pipes and fittings (amendments/supplements to API Spec 15HR) (31.40.10.19)			
31.40.20.30	Withdrawn	Linepipe for use in oil and gas operations under non-sour conditions (amendments/supplements to API Spec 5L) (31.40.20.35, 31.40.20.37)			
31.40.20.31	Withdrawn	Linepipe for use in oil and gas operations under sour conditions (amendments/supplements to API Spec 5L) (31.40.20.35, 31.40.20.37)			
31.40.20.32	Oct. 1995	CRA clad or lined steel pipe (amendments/supplements to API Spec 5LD)	T	25/2002	kerkveld, gert e gsnl-gsei/2

31.40.20.33	Sep. 2002	Linepipe induction bends (amendments/supplements to ISO 15590-1)	T		kerkveld, gert e gsnl-gsei/2
31.40.20.34	Dec. 1998	Welded and seamless duplex and super duplex stainless steel line pipe (amendments/supplements to API Spec 5LC)	T		kerkveld, gert e gsnl-gsei/2
31.40.20.35	Dec. 1999	Linepipe for non-critical service (amendments/supplements to ISO 3183-1)	T	19/2002	kerkveld, gert e gsnl-gsei/2
31.40.20.36	Mar. 2001	Weldable martensitic stainless steel line pipe for use in oil and gas operations (amendments/supplements to API spec 5LC)	T		kerkveld, gert e gsnl-gsei/2
31.40.20.37	Dec. 2000	Linepipe for critical service (amendments/supplements to ISO 3183-3)	T		kerkveld, gert e gsnl-gsei/2
31.40.21.30	Dec. 1995	Pipeline fittings (amendments/supplements to MSS SP-75)	T	20/2002	kerkveld, gert e gsnl-gsei/2
31.40.21.31	Dec. 1999	Pipeline isolating joints (amendments/supplements to MSS SP-75)	T		oude hengel, jan j siep-ept-per
31.40.21.32	Withdrawn	<i>Pig trap end closures (amendments/supplements to MSS SP-75) (31.40.10.13)</i>			
31.40.21.33	Sep. 2002	Pig signalers - intrusive type	T	35/2004	oude hengel, jan j siep-ept-per
31.40.21.34	Jul. 1998	Carbon and low alloy steel pipeline flanges for use in oil and gas operations (amendments/supplements to MSS SP-44)	M	61/99, 24/2002	kerkveld, gert e gsnl-gsei/2
31.40.30.30	Dec. 1999	Concrete coating of linepipe	T		oude hengel, jan j siep-ept-per
31.40.30.31	Apr. 2003	External polyethylene and polypropylene coating for line pipe	T		sargent, margaret a gsnl-gsei/1
31.40.30.32	Apr. 2003	External fusion-bonded epoxy powder coating for line pipe	T		sargent, margaret a gsnl-gsei/1
31.40.30.33	Oct. 2001	Bituminous enamel coating of steel linepipe	T	75/2003, 54/2004	kapusta, sergio d gsusi-gsei/4
31.40.30.34	Dec. 1999	Thermoplastic lined pipelines	T	05/2002	kapusta, sergio d gsusi-gsei/4
31.40.30.35	Dec. 2005	Internal coating of line pipe for non-corrosive gas transmission service (amendments/supplements to API RP 5L2)	T		kapusta, sergio d gsusi-gsei/4
31.40.30.36	Apr. 2003	Polychloroprene riser coatings	T		kapusta, sergio d gsusi-gsei/4
31.40.30.38	Aug. 2005	Liquid rehabilitation coating of onshore pipelines	T		kapusta, sergio d gsusi-gsei/4
31.40.40.38	Dec. 2004	Hydrostatic pressure testing of new pipelines	T		oude hengel, jan j siep-ept-per
31.40.50.30	Jan. 2005	Precommissioning of pipelines	T		oude hengel, jan j siep-ept-per

	31.40.60.11	Sep. 2002	Pipeline leak detection	M		oude hengel, jan j siep-ept-per
	31.40.60.12	Apr. 2006	Pipeline Repairs	M		oude hengel, jan j siep-ept-per
	31.40.70.30	Dec. 1997	Quarter-turn on/off actuators	M	72/2003	van geel, cees ca gsnl-gses
	31.46.00.31	Apr. 2006	Acoustic insulation for piping (amendments/supplements to ISO 15665)	T		larsen, greg l gsnl-gsem/1
	31.51.10.31	Dec. 1998	Side-entry mixers for storage tanks and vessels	T		post, martin f gsnl-gsuf
	31.76.10.10	Jul. 1998	Heating, ventilation and air conditioning for plant buildings	M		ryan, tim tfjn gsnl-gsec
	31.76.10.11	Apr. 2006	Installation, testing and balancing, and commissioning of HVAC systems	M		ryan, tim tfjn gsnl-gsec
	32.00.00.10	Withdrawn	<i>The division of responsibilities between instrument and electrical engineering disciplines</i>			
	32.00.00.11	Jul. 1997	Human-machine interface in a control room	M		van geel, cees ca gsnl-gses
	32.01.20.10	Aug. 2005	Data acquisition and control architecture (DACA)	M		Kapteijn, Pieter PKA SIEP-EPT-RSF
	32.10.03.10	Apr. 2006	Instrument symbols and identification on process engineering flow schemes	M		van geel, cees ca gsnl-gses
	32.10.03.11	Withdrawn	Symbols and identification system - Instrumentation. Part 2: - Functional logic diagrams (32.10.03.10)			
	32.10.03.12	Withdrawn	Symbols and identification system - Instrumentation. Part 3: - Instrumentation loop diagrams (32.10.03.10)			
	32.24.20.30	Apr. 2006	Control system and instrumented protective functions for fired equipment - System for a single-burner furnace (S 24.024 and S 24.026)	T		gouwerok, leo pj gsnl-gseh/1
	32.24.20.33	Dec. 1998	Control system and instrument protective functions for fired equipment System for an automatically started, gas fired, natural draught, multi-burner furnace, safeguarded by pilot burners (S 24.033)	T		gouwerok, leo pj gsnl-gseh/1
	32.24.20.37	Jan. 1998	Control system and instrumented protective functions for fired equipment - System for a manually-started, forced draught, multi-burner furnace or boiler (S 24.021)	M		gouwerok, leo pj gsnl-gseh/1
	32.24.20.38	Apr. 2006	Control system and instrumented protective functions for fired equipment - System for an automatically-started, forced draught, multi-burner furnace or boiler (S24.030 or S 24.034)	T		gouwerok, leo pj gsnl-gseh/1

32.24.20.40	Jul. 1997	Control system and instrumented protective functions for fired equipment - System for a tangentially gas-fired CO boiler (S 24.036)	T	57/97	gouwerok, leo pj gsnl-gseh/1
32.24.20.42	Apr. 2003	Control system and instrumented protective functions for fired equipment - Systems for co-fired gas turbine waste heat recovery units	T	16/2005	gouwerok, leo pj gsnl-gseh/1
32.30.10.30	Withdrawn	<i>System cabinets</i>			
32.30.20.11	Sep. 2002	Fire, gas and smoke detection systems	M		van geel, cees ca gsnl-gses
32.31.00.10	Jul. 1985	Instrument engineering procedures	M	57/95, 43/99, 65/2001	van geel, cees ca gsnl-gses
32.31.00.32	Jul. 1999	Instruments for measurement and control	M	52/2001, 36/2004	van geel, cees ca gsnl-gses
32.31.00.34	Dec. 1995	Instrumentation documents and drawings	T	39/99, 53/2001, 37/2004	van geel, cees ca gsnl-gses
32.31.09.31	May 2004	Instrumentation for equipment packages	P		van geel, cees ca gsnl-gses
32.31.50.10	Apr. 2003	On-line process stream analysis - Sample take-off and transportation	M		van geel, cees ca gsnl-gses
32.31.50.11	Sep. 2002	On-line process stream analysis - Sample conditioning	M	38/2004	van geel, cees ca gsnl-gses
32.31.50.12	Apr. 2003	On-line process stream analysis – Analysers	M		van geel, cees ca gsnl-gses
32.31.50.13	Aug. 2005	On-line process stream analysis - Analyser houses	M		van geel, cees ca gsnl-gses
32.31.50.31	Withdrawn	<i>On-line process stream analysers</i>			
32.32.00.11	Sep. 2002	Turbine fiscal metering systems for liquid hydrocarbons	T	63/2003	jakeman, simon s gsnl-gsum
32.32.00.12	Dec. 1999	Fiscal flow measurement of natural gas	T	55/2004	jakeman, simon s gsnl-gsum
32.32.10.10	Withdrawn	<i>Flow instruments (32.31.00.32)</i>			
32.36.01.16	Withdrawn	<i>Sizing of control valves (32.36.01.17)</i>			
32.36.01.17	Apr. 2003	Control valves - selection, sizing and specification	M	39/2004	van geel, cees ca gsnl-gses
32.37.00.33	Withdrawn	<i>Mounting of plant instruments (32.31.00.32)</i>			
32.37.10.11	Oct. 2001	Installation of on-line instruments	M	40/2004	van geel, cees ca gsnl-gses
32.37.10.31	Withdrawn	<i>Prefabricated instrument consoles (32.30.10.30, now also withdrawn with no replacement)</i>			
32.37.10.34	Withdrawn	<i>Instrument nameplates (32.31.00.32)</i>			
32.37.20.10	May 2004	Instrument signal lines	M		van geel, cees ca gsnl-gses
32.37.20.31	Withdrawn	<i>System cabling (32.37.20.10)</i>			
32.37.51.11	Withdrawn	<i>Instrument air lines (31.37.00.11)</i>			

32.45.10.10	Nov. 2003	Instrumentation of depressuring systems	M		van geel, cees ca gsnl-gses
32.71.00.10	Jul. 1998	Plant telecommunication	M		van geel, cees ca gsnl-gses
32.71.00.11	May 2004	Telecommunications standards	M		trevor, peter siep-ept-it
32.71.00.12	Apr. 1993	Telecommunications for offshore platforms	M	71/2003	trevor, peter siep-ept-it
32.71.00.13	Oct. 1995	Drilling communications	M		trevor, peter siep-ept-it
32.71.00.14	Jul. 1996	Telecommunications towers and guyed masts	M		trevor, peter siep-ept-it
32.71.00.16	Dec. 1997	Design and installation of telephone cabling	M		trevor, peter siep-ept-it
32.71.00.30	Dec. 1998	Structured cabling systems for telecommunications	T		trevor, peter siep-ept-it
32.71.00.31	Dec. 1997	Microwave systems	M		trevor, peter siep-ept-it
32.80.10.10	Oct. 2001	Classification and implementation of instrumented protective functions	M		van geel, cees ca gsnl-gses
32.80.10.12	Oct. 2001	Management of instrumented protective functions	M	64/2003	van geel, cees ca gsnl-gses
32.80.10.30	Jul. 1996	Instrumented protective systems	T	43/2004	van geel, cees ca gsnl-gses
33.10.03.10	Withdrawn	<i>Symbols and identification system – Electrical</i>			
33.64.10.10	Sep. 2002	Electrical engineering guidelines	M	25/2003	de wilt, wim gsnl-gsee
33.64.10.11	Jan. 1999	Electrical network monitoring and control system - application	M		de wilt, wim gsnl-gsee
33.64.10.12	Jan. 1999	Electrical supply and generation - design and operation	M		de wilt, wim gsnl-gsee
33.64.10.30	Withdrawn	<i>Electric power and lighting installations (33.64.10.10)</i>			
33.64.10.32	Jan. 1999	Electrical network monitoring and control system - specification	M	16/2004	de wilt, wim gsnl-gsee
33.64.10.33	Sep. 2002	Electromagnetic compatibility (EMC) requirements	M	17/2004	de wilt, wim gsnl-gsee
33.65.11.31	Jan. 1999	Synchronous AC machines (amendments/supplements to IEC 60034-1)	T	17/2003	de wilt, wim gsnl-gsee
33.65.11.32	Apr. 2003	Packaged unit AC generator sets	T		de wilt, wim gsnl-gsee
33.65.40.31	Oct. 2001	Power transformers (amendments/supplements to IEC 60076 and IEC 60726)	T	77/2003, 03/2006	de wilt, wim gsnl-gsee
33.65.50.31	Dec. 2000	Static DC uninterruptible power supply (DC UPS) units	T		de wilt, wim gsnl-gsee
33.65.50.32	Apr. 2006	Static AC uninterruptible power supply unit (static AC UPS unit)	T		de wilt, wim gsnl-gsee
33.65.60.30	Jan. 2005	Solar power systems	T		de wilt, wim gsnl-gsee
33.66.05.10	Withdrawn	<i>Engineering guidelines variable speed drive systems (technique and applications)</i>			
33.66.05.31	Jan. 1999	Electric machines - Cage-induction types (amendments/supplements to IEC 60034-1)	T		de wilt, wim gsnl-gsee

33.66.05.33	Mar. 1995	Electrical variable speed drive systems	T		de wilt, wim gsnl-gsee
33.67.01.31	Jan. 1998	Low-voltage switchgear and controlgear assemblies (amendments/supplements to IEC 439-1)	T		de wilt, wim gsnl-gsee
33.67.51.31	Jul. 1998	High-voltage switchgear and controlgear assemblies (amendments/supplements to IEC 298)	T		de wilt, wim gsnl-gsee
33.68.30.31	Oct. 2001	Electrical heating system for frost heave prevention of refrigerated hydrocarbon storage tanks	T		de wilt, wim gsnl-gsee
33.68.30.32	Dec. 2000	Electrical trace heating	T		de wilt, wim gsnl-gsee
33.68.30.33	Oct. 2001	Electrical process heaters	T		de wilt, wim gsnl-gsee
33.80.00.30	Aug. 2000	Navigational aids for offshore structures	T		de wilt, wim gsnl-gsee
34.00.01.30	Jul. 1998	Minimum requirements for structural design and engineering	T		ryan, tim tfjn gsnl-gsec
34.11.00.10	Dec. 1999	Site investigations	M		ryan, tim tfjn gsnl-gsec
34.11.00.11	Apr. 2003	Site preparation and earthworks including tank foundations and tank farms	M		ryan, tim tfjn gsnl-gsec
34.11.00.12	Apr. 1987	Geotechnical and foundation engineering	M		ryan, tim tfjn gsnl-gsec
34.13.20.31	Apr. 2003	Roads, paving, surfacing, slope protection and fencing	T		ryan, tim tfjn gsnl-gsec
34.14.20.31	Dec. 1993	Drainage and primary treatment facilities	T	59/2001, 41/2003	ryan, tim tfjn gsnl-gsec
34.17.00.32	Sep. 2002	Design and engineering of buildings	T	19/2003	ryan, tim tfjn gsnl-gsec
34.17.10.30	Sep. 2002	Blast resilient and blast resistant control buildings/field auxiliary rooms	T		ryan, tim tfjn gsnl-gsec
34.17.10.31	Apr. 2006	Laboratories	T		ryan, tim tfjn gsnl-gsec
34.18.51.10	Withdrawn	Minimum requirements for the construction and maintenance of tank foundations, bund walls and drainage systems for small storage installations (34.11.00.11)			
34.19.20.11	Dec. 1999	Fireproofing of steel structures	M		ryan, tim tfjn gsnl-gsec
34.19.20.31	Dec. 1998	Reinforced concrete foundations and structures	T	09/2000, 09/2002, 52/2004	ryan, tim tfjn gsnl-gsec
34.24.26.31	Apr. 2003	Steel stacks (amendments/supplements to CICIND Model Code)	T		ryan, tim tfjn gsnl-gsec
34.24.27.31	Apr. 2006	Reinforced concrete stacks	T		ryan, tim tfjn gsnl-gsec
34.28.00.31	Jul. 1996	Steel structures	T	85/2003	ryan, tim tfjn gsnl-gsec
34.51.01.31	Sep. 1992	Standard vertical tanks - Selection, design and fabrication	T		ryan, tim tfjn gsnl-gsec
34.51.11.30	Apr. 2006	Mounded horizontal cylindrical vessels for pressurised storage of LPG at ambient temperatures (endorsement of EEMUA publication No. 190)	T		ryan, tim tfjn gsnl-gsec

34.51.90.10	Apr. 2006	Demolition of storage tanks (endorsement of EEMUA 154)	M		ryan, tim tfjn gsnl-gsec
34.76.30.31	Withdrawn	<i>Heating and air conditioning in sub-stations and switch houses (31.76.10.10)</i>			
37.05.10.10	Sep. 2002	Design of sea water systems and utility heat transfer systems for offshore installations	M	73/2003	peirce, jack siep-ept-pdf
37.05.10.11	Dec. 1998	Diesel oil systems in oil and gas production facilities	M		peirce, jack siep-ept-pdf
37.05.10.12	Aug. 2000	Design of hose bulk transfer facilities for offshore installations	M		peirce, jack siep-ept-pdf
37.11.00.30	May 2004	Site specific assessment of mobile offshore jack-up units (amendments/supplements to the SNAME guideline and recommended practice)	P		sliggers, frank pgf siep-ept-per
37.14.10.10	Dec. 1998	Drain systems for offshore installations	M		peirce, jack siep-ept-pdf
37.17.10.10	Dec. 1998	Design of offshore living quarters	M		sliggers, frank pgf siep-ept-per
37.17.10.11	Mar. 1994	Design of offshore temporary refuges	M	65/2003	holstvoogd, rob rd gsnl-gsgh/1
37.19.00.30	Mar. 1994	Design of steel substructures for fixed offshore platforms (amendments/supplements to API RP 2A-LRFD)	P		sliggers, frank pgf siep-ept-per
37.19.10.30	Feb. 1993	Weldable structural steels for fixed offshore structures (amendments/supplements to BS 7191)	T		sliggers, frank pgf siep-ept-per
37.19.30.30	Dec. 1995	Design of cathodic protection systems for new fixed offshore steel structures (amendments/supplements to DNV RP B401)	T		kerkveld, gert e gsnl-gsei/2
37.19.60.10	Oct. 2001	Structural inspection of offshore installations	M		sliggers, frank pgf siep-ept-per
37.29.01.10	Aug. 2005	Firewater pumps for offshore installations	M		ravesloot, wim gsnl-gser
37.80.00.30	Dec. 2004	Subsea production systems (endorsement of ISO 13628 and API 17 series)	T		helmkamp, robert re siep-ept-pds
37.91.10.11	Jul. 1998	Mooring of mobile units	M	74/2003	ept-pb
37.91.20.30	Aug. 2005	Oil loading and discharge hoses for offshore mooring installations (amendments/supplements to OCIMF Guide)	T		ryan, tim tfjn gsnl-gsec
37.92.10.30	Oct. 1994	Pedestal cranes (amendments/supplements to API Spec 2C)	T	13/2002	peirce, jack siep-ept-pdf
37.92.10.31	Oct. 1994	Pedestal cranes (amendments/supplements to Lloyd's code and BS 2573)	T	14/2002	peirce, jack siep-ept-pdf
38.80.10.30	Aug. 2005	Drilling fluid material specifications and tests (endorsement of ISO 13500)	T		brouwer, sjoerd sh siep-ept-oe-wl

38.80.10.31	Sep. 2002	Field testing of drilling fluids - water-based fluids (endorsement of ISO 10414-1)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.10.32	Apr. 2003	Field testing of drilling fluids – Oil based fluids (amendments/ supplements to ISO 10414-2)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.10.33	Dec. 2004	Measurement of viscous properties of completion fluids (endorsement of ISO 13503-1)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.10.34	Dec. 2004	Drilling fluids - Laboratory testing (endorsement of ISO 10416)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.20.30	Mar. 2001	Specifications for cements and materials for well cementing (endorsement of ISO 10426-1)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.20.31	Dec. 2004	Testing of well cements (endorsement of ISO 10426-2)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.20.32	Dec. 2004	Performance testing of cementing float equipment (endorsement of ISO 10427-3)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.20.33	Dec. 2004	Bow-spring casing centralizers (endorsement of ISO 10427-1)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.20.34	Aug. 2005	Centraliser placement and stop-collar testing (endorsement of ISO 10427-2)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.20.35	Dec. 2004	Testing of deepwater well cement formulations (endorsement of ISO 10426-3)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.30.31	Dec. 2004	Drilling and production hoisting equipment (endorsement of ISO 13535)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.30.32	Dec. 2004	Inspection, maintenance, repair and remanufacture of hoisting equipment (endorsement of ISO 13534)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.30.33	Dec. 2004	Drilling and well servicing equipment (endorsement of ISO 14693)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.40.30	Aug. 2005	Drill pipe with weld-on tool joints (amendments/supplements to ISO 11961)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.40.31	Dec. 2004	Aluminium alloy drill pipe (endorsement of ISO 15546)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.40.32	Dec. 2004	Marine drilling riser couplings (endorsement of ISO 13625)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.50.30	Dec. 2004	Drill-through equipment (endorsement of ISO 13533)	T		brouwer, sjoerd sh siep-ept-oe-wl
38.80.60.30	Dec. 2004	Drilling of well servicing structures (endorsement of ISO 13626)	T		brouwer, sjoerd sh siep-ept-oe-wl
39.01.10.11	Jan. 2005	Selection of materials for life-cycle performance (EP)	M		kerkveld, gert e gsnl-gsel/2
39.01.20.10	Oct. 1995	L80 13%Cr casing and tubing (amendments/supplements to ISO/DIS 11960.2)	T		brouwer, sjoerd sh siep-ept-oe-wl
39.01.20.30	Dec. 2000	Corrosion-resistant alloy seamless tubes for use as casing, tubing and coupling stock - technical delivery conditions (endorsement of ISO 13680)	T		brouwer, sjoerd sh siep-ept-oe-wl

39.01.20.31	Dec. 2000	Care and use of casing and tubing (endorsement of ISO 10405)	T		brouwer, sjoerd sh siep-ept-oe-wl
39.01.20.32	Dec. 2004	Testing procedures for casing and tubing connections (endorsement of ISO 13679)	T		brouwer, sjoerd sh siep-ept-oe-wl
39.01.20.33	Dec. 2004	Evaluation and testing of thread compounds for use with casing, tubing and line pipe (endorsement of ISO 13678)	T		brouwer, sjoerd sh siep-ept-oe-wl
39.01.20.34	Dec. 2004	Field inspection of new casing, tubing and plain-end drill pipe (endorsement of ISO 15463)	T		brouwer, sjoerd sh siep-ept-oe-wl
39.01.30.30	May 2004	Wellhead and christmas tree equipment (amendments and supplements to ISO 10423)	T		brouwer, sjoerd sh siep-ept-oe-wl
39.01.30.31	Aug. 2000	Downhole equipment - Sub-surface safety valves (endorsement of ISO 10432)	T		helmer, thomas siep-ept-oe-pl
39.01.30.34	Aug. 2005	Downhole Equipment - packers and bridge plugs (endorsement of ISO 14310)	T		helmer, thomas siep-ept-oe-pl
39.01.30.35	Aug. 2005	Downhole Equipment - Lock mandrels and landing nipples (endorsement of ISO 16070)	T		helmer, thomas siep-ept-oe-pl
39.01.30.36	Apr. 2006	Downhole Equipment - Side-pocket mandrels (endorsement of iso 17078-1)	T		helmer, thomas siep-ept-oe-pl
39.29.10.30	Aug. 2005	Downhole equipment - Progressive cavity pumps for artificial lift (endorsement of ISO 15136-1)	T		helmer, thomas siep-ept-oe-pl
39.40.20.30	Withdrawn	<i>High pressure metal/polymer flexible pipe for use in oil and gas operations as flowlines and risers (37.80.00.30)</i>			
40.10.01.11	Dec. 1997	Capital project coding system	M		hutchinson, robin siep-ept-ps / gsnl-gsps
40.10.10.41	Withdrawn	<i>List of approved suppliers of longitudinally welded stainless pipes and tubes</i>			
40.10.21.40	Withdrawn	<i>List of approved suppliers of seamless aluminium brass condenser/cooler tubes</i>			
40.10.40.40	Withdrawn	<i>List of approved oil-resistant CAF compound jointing</i>			
40.10.40.41	Withdrawn	<i>List of approved acid-resistant CAF compound jointing</i>			
40.10.40.42	Withdrawn	<i>List of approved spiral-wound gaskets</i>			
40.10.50.41	Withdrawn	<i>List of approved suppliers of 1 Cr-0.25 Mo steel bolts and medium carbon steel nuts</i>			
40.10.64.10	Withdrawn	<i>Welding electrodes, rods wires and fluxes</i>			
40.48.00.30	Withdrawn	<i>Paints and paint materials (30.48.00.31, 70.48.10.10)</i>			
41.20.20.31	Withdrawn	<i>Purchasing procedure trays for columns (MA-13)</i>			

41.21.01.30	Withdrawn	<i>Purchasing procedure unfired shell and tube heat exchangers (MA-11)</i>			
41.21.70.31	Withdrawn	<i>Air cooled heat exchangers - purchasing procedure</i>			
41.24.49.31	Withdrawn	<i>Shop fabrication of heater piping - purchasing procedure</i>			
41.38.01.31	Withdrawn	<i>Purchasing procedure shop fabrication of steel piping (MA-05)</i>			
42.31.31.30	Withdrawn	<i>Purchasing procedure signal light assemblies</i>			
44.24.90.31	Mar. 2001	Refractory bricks and shapes	M	32/2001	ryan, tim tfjn gsnl-gsec
44.28.00.31	Withdrawn	<i>Purchasing procedures steel structures (MA-12)</i>			
44.51.01.31	Withdrawn	<i>Purchasing procedure standard vertical tanks (MA-07)</i>			
61.10.08.11	Jul. 1999	Field inspection prior to commissioning of mechanical equipment	M	03/2001	totty, john gsuk-gssc
61.22.01.31	Withdrawn	<i>Rotating disc contactors - Installation, site testing and maintenance (31.22.01.31)</i>			
61.24.15.31	Withdrawn	SIPM-type vertical furnaces and waste heat boilers - Field erection			
61.38.10.10	Apr. 2006	Shop and field fabrication of orifice meter runs	T		larsen, greg l gsnl-gsem/1
61.40.20.30	Jun. 1993	Welding of pipelines and related facilities (amendments/supplements to ANSI/API STD 1104)	T	20/2000, 41/2004	kerkveld, gert e gsnl-gsei/2
61.40.20.31	Jul. 1999	Field welding of duplex and super duplex stainless steel pipelines (amendments/supplements to API 1104)	T		kerkveld, gert e gsnl-gsei/2
62.10.08.11	Nov. 2003	Inspection and functional testing of instruments	P		van geel, cees ca gsnl-gses
62.10.09.11	Withdrawn	<i>Factory inspection and testing of instruments and instrument systems (62.10.08.11)</i>			
62.37.10.12	Withdrawn	Instrument installation procedures			
63.10.08.11	Aug. 2000	Field commissioning and maintenance of electrical installations and equipment	M		de wilt, wim gsnl-gsee
64.11.10.31	Withdrawn	<i>Site preparation (34.11.00.11)</i>			
64.24.32.11	Dec. 1999	Refractory materials for sulphur recovery units (claus and scot)	M	39/2003	ryan, tim tfjn gsnl-gsec
64.24.32.30	Dec. 1997	Insulating and dense refractory concrete linings	M	10/2002, 66/2003, 53/2004	ryan, tim tfjn gsnl-gsec
64.51.01.31	Dec. 1995	Standard vertical tanks - Field erection and testing	T		ryan, tim tfjn gsnl-gsec
70.07.20.30	Withdrawn	<i>Magnetic particle inspection of the threaded parts of steel drill stem</i>			
70.08.10.10	Withdrawn	<i>Equipment and tools for maintenance and inspection. Part 1: - Inspection - Tools and NDT instruments</i>			

70.08.10.11	Dec. 2005	Equipment and tools for maintenance - Mechanical maintenance equipment, tools and bolt tensioning	M		totty, john gsuk-gssc
70.08.10.12	Withdrawn	<i>Equipment and tools for maintenance and inspection. Part 3: - Mechanical maintenance - Tools (70.08.10.11)</i>			
70.08.10.13	Aug. 2005	Electrical workshop - Test equipment and tools	M		de wilt, wim gsnl-gsee
70.08.10.14	Withdrawn	Equipment and tools for maintenance and inspection. Part 5: - Instrument technical centre and workshop- Equipment and tools			
70.10.01.10	Aug. 2005	Equipment record cards	M		totty, john gsuk-gssc
70.10.70.11	Jul. 1999	The preservation of old and new equipment and piping standing idle	M		totty, john gsuk-gssc
70.10.80.11	Jan. 1998	Cleaning of equipment	M	42/2004	post, martin f gsnl-gsuf
70.10.90.11	Sep. 2002	Spare parts	M	67/2003	van hees, bart jv gsnl-gsem/4
70.48.10.10	Dec. 1995	Maintenance painting	M	84/2003	sargent, margaret a gsnl-gsei/1
70.51.10.11	Jul. 1998	Field inspection, maintenance and repair of vertical steel storage tanks	M	53/2003	ryan, tim tfjn gsnl-gsec
74.04.12.15	Withdrawn	<i>Testing methods for stored cat. cracker refractories</i>			
74.36.10.31	Withdrawn	<i>Testing of soft seat ball valves designed in accordance with BS 5351</i>			
74.36.10.32	Withdrawn	<i>Design and evaluation of rubber lined butterfly valves for fire protection service</i>			
80.00.10.10	Nov. 2003	Area classification (amendments/supplements to IP 15)	M		holstvoogd, rob rd gsnl-gsgh/1
80.36.00.30	May 2004	Relief valves - selection, sizing and specification	T	20/2005	larsen, greg l gsnl-gsem/1
80.45.10.10	Jul. 1996	Pressure relief, emergency depressuring, flare and vent systems	M	32/98, 68/2003	larsen, greg l gsnl-gsem/1
80.46.30.11	Dec. 1999	Interlocking systems for safety/relief valves	M	43/2002	larsen, greg l gsnl-gsem/1
80.47.10.10	Withdrawn	<i>Fire-fighting agents (80.47.10.32)</i>			
80.47.10.11	Withdrawn	<i>Fire-fighting systems (80.47.10.30)</i>			
80.47.10.12	Aug. 2005	Water-based fire protection systems for offshore facilities	M		holstvoogd, rob rd gsnl-gsgh/1
80.47.10.30	Jan. 2000	Assessment of the fire safety of onshore installations	M	69/2003	holstvoogd, rob rd gsnl-gsgh/1
80.47.10.31	Dec. 1999	Active fire protection systems and equipment for onshore facilities	M		holstvoogd, rob rd gsnl-gsgh/1
80.47.10.32	Jan. 2000	Fire-fighting agents and movable fire fighting equipment for onshore applications	T		holstvoogd, rob rd gsnl-gsgh/1

80.47.10.33	Dec. 1999	Fire-fighting vehicles and fire stations	T	32/2003	holstvoogd, rob rd gsnl-gsgh/1
80.47.20.30	Withdrawn	<i>Trucks and trailers for fire-fighting (80.47.10.33)</i>			
80.80.00.10	Dec. 1998	Offshore facilities life-saving appliance requirements (amendments/supplements to SOLAS)	M		holstvoogd, rob rd gsnl-gsgh/1
80.80.00.11	Sep. 2002	Control and mitigation of fires and explosions on offshore production installations (amendments/supplements to ISO 13702)	M		holstvoogd, rob rd gsnl-gsgh/1
80.80.00.12	Sep. 2002	Offshore production installations - Requirements and guidelines for emergency response (amendments/supplements to ISO 15544)	M		holstvoogd, rob rd gsnl-gsgh/1
80.80.00.13	Sep. 2002	Offshore production installations - Guidelines on tools and techniques for identification and assessment of hazardous events (amendments/supplements to ISO 17776)	M		holstvoogd, rob rd gsnl-gsgh/1
82.00.10.10	Dec. 1995	Project quality assurance	M	24/98, 70/2003	hutchinson, robin siep-ept-ps / gsnl-gsps
82.00.10.11	Withdrawn	<i>Cost Control Of Capital Investment Projects (Project Guide No. 6, OG.03.307.48)</i>			
82.00.10.30	Aug. 2005	Engineering information specification (EIS)	T		sud, dalip gsnl-gssv

2. STANDARD SPECIFICATIONS

Spec. Number	Date of issue	Title
A-1-1	Withdrawn	Process units - General
A-2-1	Withdrawn	Process control and instrumentation requirements
A-3-1	Withdrawn	Pressure relief valves (80.45.10.10, later 80.36.00.30)
A-4-1	Withdrawn	Fuel systems (20.05.60.10)
A-5-1	Withdrawn	Hot-oil systems (20.05.50.10)
A-6-1	Withdrawn	Waste gas and low-pressure (LP) gas disposal systems
A-11-1	Withdrawn	Crude distilling units
A-12-1	Withdrawn	High vacuum distilling units
A-13-1	Withdrawn	Catalytic reforming and hydrotreating/hydrodesulphurizing units
A-14-1	Withdrawn	Catalyst reforming units
A-15-1	Withdrawn	Hydrotreating and hydrodesulphurizing units
A-16-1	Withdrawn	Bitumen blowing units
A-17-1	Withdrawn	Sulphur recovery units
A-18-1	Withdrawn	Thermal cracking units
B-1-1	Withdrawn	Buildings General (34.17.00.32)
B-2-1	Withdrawn	Control room building (34.17.10.30)
B-3-1	Withdrawn	Laboratory (34.17.10.31)
B-10-2	Withdrawn	Specification for supply/erection of "heating, ventilating and air conditioning plants" in buildings (31.76.10.11)
B-11-1	Withdrawn	Heating, ventilating and air conditioning in control centres (31.76.10.10)
B-12-1	Withdrawn	Heating, ventilating and air conditioning in building: sub-stations and switch houses (34.76.30.31, now 31.76.10.10)
B-12-2	Withdrawn	Heating, ventilating and air conditioning in reinforced control building (31.76.10.10)
C-1-1/2/3	Withdrawn	Rotating disc contactors (31.22.01.31)
C-2-1	Withdrawn	Trays for columns (31.20.20.31)
D-1-1	Withdrawn	Compilation of design books (01.00.02.11)
Dr-1-2/3	Withdrawn	C-95 casing and tubing for sour (H ₂ S) service (quench and temper process)
E-1-1	Withdrawn	Unfired heat transfer equipment (31.21.01.30, 31.21.70.31)
E-1-3	Withdrawn	Minimum requirements for the shop checking, inspection and testing of unfired heat transfer equipment (31.21.01.30, 31.21.70.31)
F-1-1	Withdrawn	Furnaces and related equipment (31.24.00.30)
E-2-3	Withdrawn	Minimum requirements for the shop checking, inspection and testing of coil-wound heat exchangers (31.21.01.30)
G-1-1	Withdrawn	Fabrication report for pressure vessels (31.2210.35)
G-2-1	Withdrawn	Model construction (30.10.05.11)
G-3-1	Withdrawn	Asset breakdown (01.00.09.10)
G-5-1	Withdrawn	Job procedures manual
G-6-2	Withdrawn	Specification for the preparation and micro-filming of technical drawings (02.00.00.10)
G-7-1	Withdrawn	Descriptive index for a Shell Project Specification
G-8-1	Withdrawn	Fire-proofing of steel structures (34.19.20.11)
H-1-1	Withdrawn	Piling
H-2-1	Withdrawn	Reinforced concrete foundations and structures (34.19.20.31)
H-3-1	Withdrawn	Reinforced concrete stacks (34.24.27.31)

<i>In-1-1</i>	Withdrawn	<i>Instrumentation (32.31.00.10, 32.31.00.32)</i>
<i>In-2-1</i>	Withdrawn	<i>The instrumentation of depressuring systems (32.45.10.10)</i>
<i>In-3-1</i>	Withdrawn	<i>Control valves (32.36.01.17)</i>
<i>In-5-1</i>	Withdrawn	<i>Instrumentation for package units (32.30.20.11)</i>
<i>K-1-1</i>	Withdrawn	<i>Compressor selection (31.29.40.10)</i>
<i>K-3-2/3</i>	Withdrawn	<i>Rotary-type positive displacement compressors mechanical design, construction and testing (31.29.40.32)</i>
<i>K-4-2/3</i>	Withdrawn	<i>Reciprocating compressors - mechanical design, construction and testing (31.29.40.31)</i>
<i>K-5-3</i>	Withdrawn	<i>Checking, testing and inspection of fans (31.29.47.30)</i>
<i>K-6-2</i>	Withdrawn	<i>Lube and seal oil systems for special purpose applications (31.29.60.32)</i>
<i>L-1-1</i>	Withdrawn	<i>Piping (31.38.01.11)</i>
<i>L-2-2/3</i>	Withdrawn	<i>Line pipe for use in oil and gas operations under non-sour conditions (31.40.20.30)</i>
<i>L-3-2/3</i>	Withdrawn	<i>Line pipe for use in oil and gas operations under sour conditions (31.40.20.31)</i>
<i>L-4-1/2/3</i>	Withdrawn	<i>External polyethylene coating for line pipe (31.40.30.31)</i>
<i>L-5-1/2/3</i>	Withdrawn	<i>External fusion-bonded epoxy powder coating for line pipe (31.40.30.32)</i>
<i>M-1-1</i>	Withdrawn	<i>Spare parts (70.10.90.11)</i>
<i>N-1-1</i>	Withdrawn	<i>Electric power and lighting installations (33.64.10.10)</i>
<i>N-2-1</i>	Withdrawn	<i>Telecommunication (32.71.00.10)</i>
<i>N-3-3</i>	Withdrawn	<i>Inspection and testing of LV switchgear and controlgear (33.67.01.31)</i>
<i>O-1-1</i>	Withdrawn	<i>Jointing material (31.38.01.11)</i>
<i>O-2-1</i>	Withdrawn	<i>Thermal insulation for hot services (30.46.00.31)</i>
<i>O-3-1</i>	Withdrawn	<i>Thermal insulation for cold service and dual temperature</i>
<i>P-1-1</i>	Withdrawn	<i>Pumps selection (31.29.02.11)</i>
<i>P-1-2/3</i>	Withdrawn	<i>Centrifugal pumps - mechanical design and construction, shop inspection and tests (31.29.02.30)</i>
<i>P-4-3</i>	Withdrawn	<i>Checking, testing and inspection of rotary pumps (screw pumps)</i>
<i>P-5-3</i>	Withdrawn	<i>Checking, testing and inspection of positive displacement pumps (reciprocating type) (31.29.12.30)</i>
<i>Q-1-1</i>	Withdrawn	<i>Site preparation (34.11.00.11)</i>
<i>Q-2-1</i>	Withdrawn	<i>Drainage and sewerage system (34.14.20.31)</i>
<i>Q-3-1</i>	Withdrawn	<i>Roads, paving and fencing (34.13.20.31)</i>
<i>R-1-1</i>	Withdrawn	<i>Reactors</i>
<i>S-2-3</i>	Withdrawn	<i>Min requirements for shop checking inspection and testing of loading arms</i>
<i>S-3-3</i>	Withdrawn	<i>Minimum requirements for the shop checking, inspection and testing of closed thimble circular nylon mooring ropes</i>
<i>S-4-3</i>	Withdrawn	<i>Minimum requirements for the shop checking, inspection and testing of a SBM (single buoy mooring)</i>
<i>ST-1-1</i>	Withdrawn	<i>Steam turbine selection (31.29.60.10)</i>
<i>ST-2-2/3</i>	Withdrawn	<i>General purpose steam turbines (mechanical design and construction, shop inspection and tests) (31.29.60.30)</i>
<i>T-1-1</i>	Withdrawn	<i>Storage tanks (64.51.01.31, 70.51.10.11)</i>
<i>T-2-1</i>	Withdrawn	<i>LPG storage facilities (30.06.10.12)</i>
<i>U-3-1</i>	Withdrawn	<i>Painting and coating of new construction projects (30.48.00.31)</i>
<i>U-4-1</i>	Withdrawn	<i>Cathodic protection (30.10.73.10)</i>
<i>V-1-1/2/3</i>	Withdrawn	<i>Pressure vessels (31.22.10.32, 31.22.20.31)</i>

V-2-3	Withdrawn	<i>Minimum requirements for the shop checking, inspection and testing of unfired pressure vessels other than shell and tube type heat exchange equipment (31.22.10.32, 31.22.20.31)</i>
V-3-2	Withdrawn	<i>LPG storage vessels (31.22.10.36, now 30.06.10.12 and 31.22.10.32)</i>
V-4-1	Withdrawn	<i>Gas/liquid separators (31.22.05.11)</i>
V-5-1	Withdrawn	<i>Hydrogen and nitrogen storage bottles for platformer units (31.22.90.30)</i>
W-1-1	Withdrawn	<i>Field inspection</i>
W-2-3	Withdrawn	<i>Minimum requirements for the shop checking, inspection and testing of cat. cracker cyclones and accessories</i>
W-3	Withdrawn	<i>Minimum requirements for the shop checking, inspection and testing of rotary vacuum filters</i>
W-4-1/2/3	Withdrawn	<i>Welding and inspection requirements for equipment not covered by recognized standards and/or codes</i>
W-5-1/2/3	Withdrawn	<i>Repair by welding of aluminium and aluminium-alloy castings</i>
W-6-1/2/3	Withdrawn	<i>Equipment made of 2.25 Cr - 1 Mo steel in quenched and tempered condition (30.10.02.32-Gen.)</i>
W-7-1/2/3	Withdrawn	<i>Aluminium-bronze sand castings (amendments/supplements to ASTM B 148)</i>
Y-1-1	Withdrawn	<i>Steel structures (34.00.01.30)</i>
Y-2-1	Withdrawn	<i>Steel stacks (34.24.26.31)</i>
Z-1-1	Withdrawn	<i>Fire-fighting systems (80.47.10.30, 80.47.10.31)</i>
Z-2-1	Withdrawn	<i>Noise specification for plant and equipment (31.10.00.31)</i>