Attachment 3. Technical Codes and Standards for the PNG LNG Project

Part 1

This first of three lists of industry standards is representative of the industry codes and standards to be used on the Upstream PNG LNG Project. As detailed design progresses, further codes and standards may be used.

Number	Description
29 CFR 1910	Air-Cooled Heat Exchangers
29 CFR 1910 Subpart D	Air-Cooled Heat Exchangers
29 CFR 1910 Subpart O	Air-Cooled Heat Exchangers
29 CFR 1910.119	Upstream Positive Materials Identification
29 CFR 1910.144	Thermal Arc Sprayed Metallic Coatings
29 CFR 1910.21	Air-Cooled Heat Exchangers
29 CFR 1910.211	Air-Cooled Heat Exchangers
29 CFR 1910.212	Air-Cooled Heat Exchangers
29 CFR 1910.219	Air-Cooled Heat Exchangers
29 CFR 1910.22	Air-Cooled Heat Exchangers
29 CFR 1910.23	Air-Cooled Heat Exchangers
29 CFR 1910.27	Air-Cooled Heat Exchangers
29 CFR 1910-Z	Transport Rigging and Erection of Equipment and Vessels
29 CFR 1926	Transport Rigging and Erection of Equipment and Vessels
40 CFR 61-V	Control Valves
49 CFR 452	Export Packing Requirements for Materials
49 CFR 453	Export Packing Requirements for Materials
AASHTO T166	Tank Foundations
ABS 2 Part 4	Axial and Centrifugal Compressors for Heavy Duty Services
ABS 82	Packaged Gas Turbines
ACI 304R	Offshore Pipeline Weight Coating and Anode Installation
ACI 308.1	Offshore Pipeline Weight Coating and Anode Installation
ACI 506.2	Offshore Pipeline Weight Coating and Anode Installation
AFNOR NF A49-711	Corrosion Protection - Three Layer Polyethylene and Polypropylene Coatings
AG-163	Packaged Unit Instrumentation
AG-181	Field bus and Control Networks
AG-181	Packaged Unit Instrumentation
AGA Report No. 10	Volumetric Measurement of Natural Gas and Other Gases
AGA Report No. 11	Production Metering
AGA Report No. 11	Volumetric Measurement of Natural Gas and Other Gases
AGA Report No. 12	Volumetric Measurement of Natural Gas and Other Gases
AGA Report No. 7	Production Metering
AGA Report No. 8	Production Metering

AGA Report No. 8Volumetric Measurement of Natural Gas and Other GasesAGA Report No. 9Volumetric Measurement of Natural Gas and Other GasesAGA Report No. 9Volumetric Measurement of Natural Gas and Other GasesAISC 13th EditionBiast Resistant BuildingAISC 13th EditionBiast Resistant BuildingAISC S355Biast Resistant BuildingAISC S356Biast Resistant BuildingAIRC S336Steel StacksALPEMA StandardsBrazed Auriminum Heat ExchangersAnnex 14 Volume 2Aviation Operations SpecificationAnnex 14 Volume 2Aviation Operations SpecificationANISI 237.1Shelters for Process AnalysersANSI 237.1Shelters for Process AnalysersANSI/FCI 70-2Testing of Control Valves in Oryogenic ServiceANSI/SAP 12.06.01Instrument Wire and CableAPI 500Deasl SystemsAPI 500Vaste Heat Recovery UnitAPI 500Packaged Unit InstrumentationAPI 501Reciprocating Process CompressorsAPI 611Reciprocating Process CompressorsAPI 612Pockaged Unit InstrumentationAPI 613Pockaged Unit InstrumentationAPI 614Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Fiow InstrumentsAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other	Number	Description
AGA Report No. 9Volumetric Measurement of Natural Gas and Other GasesAISC 13th EditionBlast Resistant BuildingAISC M016Internals for Towers Drums and Fixed Bed Molecular Sieve VesselsAISC S335Blast Resistant BuildingAISC S335Steel SlacksALPEMA StandardsBrazed Aluminium Heat ExchangersAnnex 14 Volume 1Aviation Operations SpecificationAnnex 14 Volume 2Aviation Operations SpecificationANIS 1287.1Plant Buildings for OperationsANSI 297.1Shelters for Process AnalysersANSI 297.1Shelters for Process AnalysersANSI 297.1Shelters for Process AnalysersANSI 297.1Instrument Wire and CableAPI 500Diesel SystemsAPI 500Diesel SystemsAPI 500Waste Heat Recovery UnitAPI 500Waste Heat Recovery UnitAPI 500Rotary Screw CompressorsAPI 611Rotary Screw CompressorsAPI 612Peckaged Unit InstrumentationAPI 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 615Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measur	AGA Report No. 8	Volumetric Measurement of Natural Gas and Other Gases
AISC 13th EditionBlast Resistant BuildingAISC M016Internals for Towers Drums and Fixed Bed Molecular Sieve VesselsAISC S335Blast Resistant BuildingAISC S335Steel StacksALPEMA StandardsBrazed Aluminum Heat ExchangersAnnex 14 Volume 1Aviation Operations SpecificationAnnex 14 Volume 2Aviation Operations SpecificationAnnex 14 Volume 2Aviation Operations SpecificationANSI B30. 16Overhead Cranes - General RequirementsANSI 297.1Plant Buidings for OperationsANSI 297.1Shelters for Process AnalysersANSI/FCI 70-2Testing of Control Valves in Cryogenic ServiceANSI/FSI 70-2Testing of Control Valves in Cryogenic ServiceAPI 500Diesel SystemsAPI 500Waste Heat Recovery UnitAPI 500Waste Meat Recovery UnitAPI 671Reciprocating Process CompressorsAPI 671Reciprocating Process CompressorsAPI 671Reciprocating Process CompressorsAPI 671Reciprocating Process CompressorsAPI 671Production MeteringAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natu	AGA Report No. 9	Production Metering
AISC M016 Internals for Towers Durns and Fixed Bed Molecular Sieve Vessels AISC S335 Blast Resistant Building AISC S335 Steel Stacks ALPEMA Standards Brazed Aluminium Heat Exchangers Annex 14 Volume 1 Aviation Operations Specification Annex 14 Volume 2 Aviation Operations Specification Annex 14 Volume 2 Aviation Operations Specification ANSI B30.16 Overhead Cranes - General Requirements ANSI Z97.1 Shelters for Process Analysers ANSIFC170-2 Testing of Control Valves in Cryogenic Service ANSIFARP 12.06.01 Instrument Wire and Cable API 500 Diesel Systems API 500 Waste Heat Recovery Unit API 500 Waste Heat Recovery Unit API 613 Rotary Screw Compressors API 614 Rotary Screw Compressors API 617 Reciprocating Process Compressors API 618 Volumetric Measurement of Natural Gas and Other Gases API MPMS Volumetric Measurement of Natural Gas and Other Gases API MPMS 14.1 Volumetric Measurement of Natural Gas and Other Gases API MPMS 14.2.2 Flow	AGA Report No. 9	Volumetric Measurement of Natural Gas and Other Gases
AISC S335Blast Resistant BuildingAISC S335Steel StacksALPEMA StandardsBrazed Aluminium Heat ExchangersAnnex 14 Volume 1Aviation Operations SpecificationAnnex 14 Volume 2Aviation Operations SpecificationAnnex 14 Volume 2Aviation Operations SpecificationAnnex 14 Volume 2Aviation Operations SpecificationANSI E30.16Overhead Cranes - General RequirementsANSI Z97.1Plant Buildings for OperationsANSI Z97.1Shelters for Process AnalysersANSI/FCI 70-2Testing of Control Valves in Cryogenic ServiceANSI/SA-RP 12.06.01Instrument Wire and CableAPI 500Diesel SystemsAPI 530Waste Heat Recovery UnitAPI 530Waste Heat Recovery UnitAPI 540Rotary Screw CompressorsAPI 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 615Packaged Unit InstrumentationAPI 616Reciprocating Process CompressorsAPI 617Reciprocating Process CompressorsAPI 618Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other Gases	AISC 13th Edition	Blast Resistant Building
AlsC S335 Steel Stacks ALPEMA Standards Brazed Aluminium Heat Exchangers Annex 14 Volume 1 Aviation Operations Specification Annex 14 Volume 2 Aviation Operations Specification Annex 14 Volume 2 Aviation Operations Specification ANSI B30.16 Overhead Cranes - General Requirements ANSI Z97.1 Pilent Buildings for Operations ANSI Z97.1 Shelters for Process Analysers ANSI/FCI 70-2 Testing of Control Valves in Cryogenic Service ANSI/SA-RP 12.06.01 Instrument Wire and Cable API 500 Diesel Systems API 500 Waste Heat Recovery Unit API 500 Waste Heat Recovery Unit API 631 Rotary Screw Compressors API 613 Rotary Screw Compressors API 614 Rotary Screw Compressors API 617 Reciprocating Process Compressors API 618 Rockaged Unit Instrumentation API 619 Packaged Unit Instrumentation API 610 Packaged Unit Instrumentation API 611 Reciprocating Process Compressors API 612 Volumetric Measurement of N	AISC M016	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ALPEMA StandardsBrazed Aluminium Heat ExchangersAnnex 14 Volume 1Aviation Operations SpecificationAnnex 14 Volume 2Aviation Operations SpecificationANSI B30.16Overhead Cranes - General RequirementsANSI B30.17Plant Buildings for OperationsANSI 297.1Shelters for Process AnalysersANSI/CATCP2Testing of Control Valves in Cryogenic ServiceANSI/FG.70-2Testing of Control Valves in Cryogenic ServiceANSI/FG.70-2Waste Heat Recovery UnitAPI 500Waste Heat Recovery UnitAPI 670Rotary Screw CompressorsAPI 671Rotary Screw CompressorsAPI 671Reciprocating Process CompressorsAPI 670Packaged Unit InstrumentationAPI 671Reciprocating Process CompressorsAPI 670Packaged Unit InstrumentationAPI 671Production MeteringAPI MPMS 14.1Production MeteringAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetri	AISC S335	Blast Resistant Building
Annex 14 Volume 1 Aviation Operations Specification Annex 14 Volume 2 Aviation Operations Specification ANSI B30.16 Overhead Cranes - General Requirements ANSI Z97.1 Plant Buildings for Operations ANSI Z97.1 Shelters for Process Analysers ANSI/C1 70-2 Testing of Control Valves in Cryogenic Service ANSI/SA-RP 12.06.01 Instrument Wire and Cable API 500 Diesel Systems API 500 Waste Heat Recovery Unit API 500 Waste Heat Recovery Unit API 630 Waste Heat Recovery Unit API 630 Waste Gene Compressors API 611 Reciprocating Process Compressors API 671 Reciprocating Process Compressors API 670 Packaged Unit Instrumentation API 671 Reciprocating Process Compressors API MPMS Volumetric Measurement of Natural Gas and Other Gases API MPMS 14.1 Production Metering API MPMS 14.1 Volumetric Measurement of Natural Gas and Other Gases	AISC S335	Steel Stacks
Annex 14 Volume 2 Aviation Operations Specification ANSI B30.16 Overhead Cranes - General Requirements ANSI 237.1 Plant Buildings for Operations ANSI 237.1 Shelters for Process Analysers ANSI/FCI 70-2 Testing of Control Valves in Cryogenic Service ANSI/FCI 70-2 Testing of Control Valves in Cryogenic Service ANSI/FCI 70-2 Testing of Control Valves in Cryogenic Service ANSI/FGI 70-2 Testing of Control Valves in Cryogenic Service ANSI/FGI 70-2 Testing of Control Valves in Cryogenic Service ANSI/FGI 70-2 Testing of Control Valves in Cryogenic Service ANSI/FGI 70-2 Testing of Control Valves in Cryogenic Service ANSI/FGI 70-2 Testing of Control Valves in Cryogenic Service API 500 Waste Heat Recovery Unit API 500 Waste Heat Recovery Unit API 613 Rotary Screw Compressors API 614 Rotary Screw Compressors API 671 Reciprocating Process Compressors API 671 Reciprocating Process Compressors API 671 Reciprocating Process Compressors API 675 Polekaged Unit Instrumentation API MPMS 12.2 Flow Instruments	ALPEMA Standards	Brazed Aluminium Heat Exchangers
ANSI B30.16Overhead Cranes - General RequirementsANSI 297.1Plant Buildings for OperationsANSI 297.1Shelters for Process AnalysersANSI/FCI 70-2Testing of Control Valves in Cryogenic ServiceANSI/SA-RP 12.06.01Instrument Wire and CableAPI 500Diesel SystemsAPI 500Waste Heat Recovery UnitAPI 500Waste Heat Recovery UnitAPI 500Waste Heat Recovery UnitAPI 600Waste Heat Recovery UnitAPI 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 617Reciprocating Process CompressorsAPI 618Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Flow InstrumentsAPI MPMS 14.3Flow InstrumentsAPI MPMS 14.3Flow InstrumentsAPI MPMS 14.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric	Annex 14 Volume 1	Aviation Operations Specification
ANSI 297.1Plant Buildings for OperationsANSI 297.1Shelters for Process AnalysersANSI/FCI 70-2Testing of Control Valves in Cryogenic ServiceANSI/JSA-RP 12.06.01Instrument Wire and CableAPI 500Diesel SystemsAPI 500Waste Heat Recovery UnitAPI 580Waste Heat Recovery UnitAPI 580Packaged Unit InstrumentationAPI 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 677Reciprocating Process CompressorsAPI 670Packaged Unit InstrumentationAPI 671Rotary Screw CompressorsAPI 670Packaged Unit InstrumentationAPI 671Reciprocating Process CompressorsAPI 670Packaged Unit InstrumentationAPI 671Rotary Screw CompressorsAPI 672Packaged Unit InstrumentationAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Production MeteringAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Flow InstrumentsAPI MPMS 14.3Flow InstrumentsAPI MPMS 14.3Flow InstrumentsAPI MPMS 14.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural G	Annex 14 Volume 2	Aviation Operations Specification
ANSI 297.1Shelters for Process AnalysersANSI/FCI 70-2Testing of Control Valves in Cryogenic ServiceANSI/ISA-RP 12.06.01Instrument Wire and CableAPI 500Diesel SystemsAPI 530Waste Heat Recovery UnitAPI 560Waste Heat Recovery UnitAPI 670Waste Heat Recovery UnitAPI 683Packaged Unit InstrumentationAPI 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 671Reciprocating Process CompressorsAPI 677Reciprocating Process CompressorsAPI 678Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Production MeteringAPI MPMS 21.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural	ANSI B30.16	Overhead Cranes - General Requirements
ANSI/FCI 70-2Testing of Control Valves in Cryogenic ServiceANSI/ISA-RP 12.06.01Instrument Wire and CableAPI 500Diesel SystemsAPI 500Waste Heat Recovery UnitAPI 530Waste Heat Recovery UnitAPI 598Packaged Unit InstrumentationAPI 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 677Reciprocating Process CompressorsAPI 677Reciprocating Process CompressorsAPI 678Volumetric Measurement of Natural Gas and Other GasesAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.5.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement	ANSI Z97.1	Plant Buildings for Operations
ANSI/ISA-RP 12.06.01Instrument Wire and CableAPI 500Diesel SystemsAPI 530Waste Heat Recovery UnitAPI 550Waste Heat Recovery UnitAPI 550Waste Heat Recovery UnitAPI 558Packaged Unit InstrumentationAPI 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 671Reciprocating Process CompressorsAPI 677Reciprocating Process CompressorsAPI 60Packaged Unit InstrumentationAPI 678Volumetric Measurement of Natural Gas and Other GasesAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Production MeteringAPI MPMS 21.1Production MeteringAPI MPMS 21.1Volumetric Measurement	ANSI Z97.1	Shelters for Process Analysers
API 500Diesel SystemsAPI 530Waste Heat Recovery UnitAPI 550Waste Heat Recovery UnitAPI 550Waste Heat Recovery UnitAPI 558Packaged Unit InstrumentationAPI 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 671Reciprocating Process CompressorsAPI 677Reciprocating Process CompressorsAPI 6DPackaged Unit InstrumentationAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.2Production MeteringAPI MPMS 21.2Production Metering	ANSI/FCI 70-2	Testing of Control Valves in Cryogenic Service
API 530Waste Heat Recovery UnitAPI 530Waste Heat Recovery UnitAPI 560Waste Heat Recovery UnitAPI 598Packaged Unit InstrumentationAPI 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 617Reciprocating Process CompressorsAPI 671Reciprocating Process CompressorsAPI 671Reciprocating Process CompressorsAPI 60Packaged Unit InstrumentationAPI 6DPackaged Unit InstrumentationAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Production MeteringAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.2Production Metering	ANSI/ISA-RP 12.06.01	Instrument Wire and Cable
API 560Waste Heat Recovery UnitAPI 560Packaged Unit InstrumentationAPI 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 671Reciprocating Process CompressorsAPI 677Reciprocating Process CompressorsAPI 6DPackaged Unit InstrumentationAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Production MeteringAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.2Production MeteringAPI MPMS 21.2Production Metering	API 500	Diesel Systems
API 598Packaged Unit InstrumentationAPI 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 671Reciprocating Process CompressorsAPI 677Reciprocating Process CompressorsAPI 6DPackaged Unit InstrumentationAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Production MeteringAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.5.Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5.Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Production MeteringAPI MPMS 21.2Production MeteringAPI MPMS 21.2Production Metering	API 530	Waste Heat Recovery Unit
API 613Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 614Rotary Screw CompressorsAPI 671Reciprocating Process CompressorsAPI 677Reciprocating Process CompressorsAPI 6DPackaged Unit InstrumentationAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Production MeteringAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.2Production Metering	API 560	Waste Heat Recovery Unit
API 614Rotary Screw CompressorsAPI 671Reciprocating Process CompressorsAPI 677Reciprocating Process CompressorsAPI 6DPackaged Unit InstrumentationAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Production MeteringAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Production MeteringAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Production MeteringAPI MPMS 21.2Production MeteringAPI MPMS 21.2Production Metering	API 598	Packaged Unit Instrumentation
API 671Reciprocating Process CompressorsAPI 677Reciprocating Process CompressorsAPI 6DPackaged Unit InstrumentationAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Production MeteringAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.2Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.2Production MeteringAPI MPMS 21.2Production Metering	API 613	Rotary Screw Compressors
API 677Reciprocating Process CompressorsAPI 6DPackaged Unit InstrumentationAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Production MeteringAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.5.Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Production MeteringAPI MPMS 21.2Production MeteringAPI MPMS 21.2Production Metering	API 614	Rotary Screw Compressors
API 6DPackaged Unit InstrumentationAPI 6DPackaged Unit InstrumentationAPI MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Production MeteringAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Production MeteringAPI MPMS 21.2Production MeteringAPI MPMS 21.2Production Metering	API 671	Reciprocating Process Compressors
API MPMSVolumetric Measurement of Natural Gas and Other GasesAPI MPMS 12.2Flow InstrumentsAPI MPMS 14.1Production MeteringAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.1Production MeteringAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.2Production MeteringAPI MPMS 21.2Production Metering	API 677	Reciprocating Process Compressors
API MPMS 12.2Flow InstrumentsAPI MPMS 14.1Production MeteringAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Production MeteringAPI MPMS 21.2Production Metering	API 6D	Packaged Unit Instrumentation
API MPMS 14.1Production MeteringAPI MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Production MeteringAPI MPMS 21.2Production Metering	API MPMS	Volumetric Measurement of Natural Gas and Other Gases
API MPMS 14.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Production MeteringAPI MPMS 21.2Production MeteringAPI MPMS 21.2Production Metering	API MPMS 12.2	Flow Instruments
API MPMS 14.2Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.2Production Metering	API MPMS 14.1	Production Metering
API MPMS 14.3Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.3.2Flow InstrumentsAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Production MeteringAPI MPMS 21.2Production Metering	API MPMS 14.1	Volumetric Measurement of Natural Gas and Other Gases
API MPMS 14.3.2Flow InstrumentsAPI MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.2Production Metering	API MPMS 14.2	Volumetric Measurement of Natural Gas and Other Gases
API MPMS 14.3.3Flow InstrumentsAPI MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Production MeteringAPI MPMS 21.2Production Metering	API MPMS 14.3	Volumetric Measurement of Natural Gas and Other Gases
API MPMS 14.5Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 14.9Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 20.1Production MeteringAPI MPMS 21.1Production MeteringAPI MPMS 21.1Volumetric Measurement of Natural Gas and Other GasesAPI MPMS 21.1Production MeteringAPI MPMS 21.2Production Metering	API MPMS 14.3.2	Flow Instruments
API MPMS 14.9 Volumetric Measurement of Natural Gas and Other Gases API MPMS 20.1 Production Metering API MPMS 21.1 Production Metering API MPMS 21.1 Volumetric Measurement of Natural Gas and Other Gases API MPMS 21.2 Production Metering	API MPMS 14.3.3	Flow Instruments
API MPMS 20.1 Production Metering API MPMS 21.1 Production Metering API MPMS 21.1 Volumetric Measurement of Natural Gas and Other Gases API MPMS 21.2 Production Metering	API MPMS 14.5	Volumetric Measurement of Natural Gas and Other Gases
API MPMS 21.1 Production Metering API MPMS 21.1 Volumetric Measurement of Natural Gas and Other Gases API MPMS 21.2 Production Metering	API MPMS 14.9	Volumetric Measurement of Natural Gas and Other Gases
API MPMS 21.1 Volumetric Measurement of Natural Gas and Other Gases API MPMS 21.2 Production Metering	API MPMS 20.1	Production Metering
API MPMS 21.2 Production Metering	API MPMS 21.1	Production Metering
	API MPMS 21.1	Volumetric Measurement of Natural Gas and Other Gases
API MPMS 3.1B Instruments for Storage Tanks and Vessels	API MPMS 21.2	Production Metering
	API MPMS 3.1B	Instruments for Storage Tanks and Vessels

Number	Description
API MPMS 4.1	Flow Instruments
API MPMS 4.1	Production Metering
API MPMS 4.2	Flow Instruments
API MPMS 4.2	Production Metering
API MPMS 4.3	Flow Instruments
API MPMS 4.3	Production Metering
API MPMS 4.4	Flow Instruments
API MPMS 4.4	Production Metering
API MPMS 4.5	Flow Instruments
API MPMS 4.5	Production Metering
API MPMS 4.6	Flow Instruments
API MPMS 4.6	Production Metering
API MPMS 4.7	Flow Instruments
API MPMS 4.7	Production Metering
API MPMS 4.8	Flow Instruments
API MPMS 4.8	Production Metering
API MPMS 5.2	Flow Instruments
API MPMS 5.3	Flow Instruments
API MPMS 5.4	Flow Instruments
API MPMS 5.5	Flow Instruments
API MPMS 6.2	Flow Instruments
API MPMS 6.4	Flow Instruments
API MPMS 6.5	Flow Instruments
API MPMS 6.6	Flow Instruments
API MPMS 6.7	Flow Instruments
API MPMS 7	Instruments for Storage Tanks and Vessels
API MPMS 7	Volumetric Measurement of Natural Gas and Other Gases
API MPMS 7.2	Temperature Instruments
API MPMS 8.2	Production Metering
API RP 1130	Onshore Pipeline Design
API RP 14C	High Integrity Pressure Protection Systems (HIPPS)
API RP 14C	Fire and Gas Detection Systems
API RP 14G	Fire and Gas Detection Systems
API RP 2003	Atmospheric Storage Tanks
API RP 2003	Diesel Systems
API RP 2A	Shore Approach Construction
API RP 2A-WSD	Axial and Centrifugal Compressors for Heavy Duty Services
API RP 2A-WSD	Offshore Structural Welding and Inspection
API RP 2X	Offshore Structural Welding and Inspection

Number	Description
API RP 2Z	Offshore Structural Welding and Inspection
API RP 500	Plant Buildings for Operations
API RP 500	Packaged Gas Turbines
API RP 505	Control Centres
API RP 505	Area Classification and Related Electrical Design for Flammable Liquids Gases Or Vapours
API RP 520 PT I	HIPPS
API RP 521	HIPPS
API RP 531M	Facility Noise Design Criteria
API RP 551	Instrumentation for Fired Heaters
API RP 551	Instruments for Storage Tanks and Vessels
API RP 551	Temperature Instruments
API RP 551	Pressure Instruments
API RP 551	Flow Instruments
API RP 551	Level Instruments
API RP 553	Electric Motor Operators for Valves
API RP 554	Instrument Control Panels
API RP 555	Process Analysers
API RP 555	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
API RP 5L1	Preservation and Protection During Shipping and Construction
API RP 5L1	Procedure for Long-Term Tropical Preservation of Operational Spares
API RP 5L1	Offshore Pipeline Weight Coating and Anode Installation
API RP 5L1	Handling, Transportation, Storage and Repair of Line Pipe
API RP 5L2	Corrosion Protection - Fusion Bonded Epoxy Coating for Offshore Pipelines
API RP 5LW	Preservation and Protection During Shipping and Construction
API RP 5LW	Procedure for Long-Term Tropical Preservation of Operational Spares
API RP 5LW	Offshore Pipeline Weight Coating and Anode Installation
API RP 5LW	Handling, Transportation, Storage and Repair of Line Pipe
API RP 686	Installation of Rotating Equipment
API RP 500B	Low Voltage AC Motors
API RP 520	Packaged Unit Instrumentation
API RP 521	Packaged Unit Instrumentation
API RP 551	Packaged Unit Instrumentation
API RP 552	Packaged Unit Instrumentation
API RP 554	Packaged Unit Instrumentation
API SPEC 12J	Oil and Gas Separators
API SPEC 2B	Offshore Structural Welding and Inspection
API SPEC 5L	Atmospheric Storage Tanks
API SPEC 5L	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
API SPEC 5L	Upstream Induction Bending of Pipe

Number	Description
API SPEC 5L	Upstream Cold Bending of Pipe
API SPEC 5L	Onshore Pipeline Design
API SPEC 5L	Volumetric Measurement of Natural Gas and Other Gases
API SPEC 5L	Upstream Induction Bending of Pipe
API SPEC 5L	Handling, Transportation, Storage and Repair of Line Pipe
API SPEC 5LC	Upstream Induction Bending of Pipe
API SPEC 5LC	Upstream Cold Bending of Pipe
API SPEC 5LC	Upstream Induction Bending of Pipe
API SPEC 6D	Protective Systems
API SPEC 6D	Onshore Pipeline Design
API SPEC 6D	- Pigging Systems
API SPEC 6H	- Pigging Systems
API STD 1104	Volumetric Measurement of Natural Gas and Other Gases
API STD 1164	Control Systems and Equipment Management System Security Implementation
API STD 2000	Atmospheric Storage Tanks
API STD 530	Upstream Fired Heaters - Design and Fabrication
API STD 541	Centrifugal Pumps for Non-hydrocarbon Plant Services
API STD 541	Rotary Screw Compressors
API STD 541	Axial and Centrifugal Compressors for Heavy Duty Services
API STD 541	High Voltage AC Motors
API STD 546	High Voltage AC Motors
API STD 560	Upstream Fired Heaters - Design and Fabrication
API STD 560	Burners for Fired Heaters
API STD 598	Protective Systems
API STD 607	Protective Systems
API STD 609	Control Valves
API STD 610-8	Centrifugal Pumps for Heavy Duty Services
API STD 610-8	Centrifugal Fire Pumps
API STD 613	Packaged Gas Turbines
API STD 613	Axial and Centrifugal Compressors for Heavy Duty Services
API STD 613-4	Special Purpose Gear Units
API STD 614	Centrifugal Pumps for Non-hydrocarbon Plant Services
API STD 614	Packaged Gas Turbines
API STD 614-5	Lubrication Shaft-Sealing and Oil Control Systems and Auxiliaries
API STD 614-5	Axial and Centrifugal Compressors for Heavy Duty Services
API STD 616	Packaged Gas Turbines
API STD 616-4	Axial and Centrifugal Compressors for Heavy Duty Services
API STD 617	Packaged Gas Turbines
API STD 617-7	Axial and Centrifugal Compressors for Heavy Duty Services
API STD 618-4	Reciprocating Process Compressors

Number	Description
API STD 619-3	Rotary Screw Compressors
API STD 620	Pressure Vessels
API STD 650	Atmospheric Storage Tanks
API STD 650	Tank Foundations
API STD 650, App. B	Tank Foundations
API STD 650, App. E	Tank Foundations
API STD 650, App. I	Tank Foundations
API STD 660	TEMA Type Shell-and-Tube Heat Exchangers
API STD 661	Facility Noise Design Criteria
API STD 661	Reciprocating Process Compressors
API STD 661/ISO 13706	Air-Cooled Heat Exchangers
API STD 662 PART 2-1/ISO 15547-21	Brazed Aluminium Heat Exchangers
API STD 670	Rotary Screw Compressors
API STD 670	Packaged Gas Turbines
API STD 670	Axial and Centrifugal Compressors for Heavy Duty Services
API STD 670-3	Vibration Axial Position and Bearing Temperature Monitoring Systems for Compressors and Drivers
API STD 671	Centrifugal Pumps for Heavy Duty Services
API STD 671	Centrifugal Pumps for Non-hydrocarbon Plant Services
API STD 671	Rotary Screw Compressors
API STD 671	Packaged Gas Turbines
API STD 671	General Purpose Gear Units
API STD 671	Sizing of Drivers and Transmission for Compressors Fans and Pumps
API STD 671	Axial and Centrifugal Compressors for Heavy Duty Services
API STD 671	Special Purpose Couplings for Process Services
API STD 674-2	Upstream Positive Displacement Pumps - Reciprocating
API STD 675-2	Positive Displacement Pumps - Controlled Volume
API STD 676-2	Positive Displacement Pumps - Rotary
API STD 677	Centrifugal Fire Pumps
API STD 677-2	Centrifugal Pumps for Heavy Duty Services
API STD 677-2	Positive Displacement Pumps - Rotary
API STD 677-2	General Purpose Gear Units
API STD 677-3	Centrifugal Pumps for Non-hydrocarbon Plant Services
API STD 682	Centrifugal Pumps for Heavy Duty Services
API STD 682-1	Shaft Sealing Systems for Centrifugal and Rotary Pumps
API STD 686	Rotary Screw Compressors
AS 1012	Piled Foundations
AS 1012	Concrete Mattress and Grout Bag Supply and Installation
AS 1012	Concrete Mattress and Grout Bag Supply and Installation
AS 1021	Heating Ventilation Air Conditioning (HVAC) Systems

Number	Description
AS 1028	Power Transformers
AS 1081 (All Parts)	Low Voltage AC Motors
AS 1081 (All Parts)	High Voltage AC Motors
AS 1100	Piled Foundations
AS 1100	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 1141	Piled Foundations
AS 1141	Site Preparation and Earthworks
AS 1141	Installation of Corrugated Steel Drainage Structures and Protection Works
AS 1141	Installation of Gabions and Reno Mattresses
AS 1141	Roads and Bridges
AS 1163	Piled Foundations
AS 1170	Plant Buildings for Operations
AS 1170	Blast Resistant Building
AS 1170	Warehouse Building
AS 1170	Steel Stacks
AS 1170	Piled Foundations
AS 1170	Installation of Gabions and Reno Mattresses
AS 1170	Waste Heat Recovery Unit
AS 1170	Substation Layout
AS 1170	Permanent Operations Rotator Housing Community
AS 1170	Transport Rigging and Erection of Equipment and Vessels
AS 1170.0	HVAC Systems
AS 1170.1	HVAC Systems
AS 1170.2	HVAC Systems
AS 1170.4	HVAC Systems
AS 1171	Piled Foundations
AS 1171	Upstream Cold Bending of Pipe
AS 1210	Pressure Testing of Unfired Pressure Vessels
AS 1210	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
AS 1210	Transport Rigging and Erection of Equipment and Vessels
AS 1210	- Pigging Systems
AS 1210 Supp 1	Transport Rigging and Erection of Equipment and Vessels
AS 1265	Power Transformers
AS 1289	Site Preparation and Earthworks
AS 1289	Installation of Corrugated Steel Drainage Structures and Protection Works
AS 1289	Installation of Gabions and Reno Mattresses
AS 1289	Roads and Bridges
AS 1289 Part 3.3.1	Site Preparation and Earthworks
AS 1289 Part 3.6.1	Site Preparation and Earthworks

Number	Description
AS 1289 Part 4.8.1	Site Preparation and Earthworks
AS 1289 Part 5.1.1	Site Preparation and Earthworks
AS 1289 Part 5.3	Site Preparation and Earthworks
AS 1289 Part 5.5	Site Preparation and Earthworks
AS 1289 Part 5.6.1	Site Preparation and Earthworks
AS 1324	Substation Layout
AS 1324	HVAC Systems
AS 1353.2	Transport Rigging and Erection of Equipment and Vessels
AS 1359	Centrifugal Pumps for Non-hydrocarbon Plant Services
AS 1359	Positive Displacement Pumps - Rotary
AS 1359	Protective Systems
AS 1359	Motor Application
AS 1359	Low Voltage AC Motors
AS 1359	High Voltage AC Motors
AS 1359	Generator Sizing Criteria
AS 1359	Specification for Electrical Requirement for Buildings
AS 1360.11	Motor Application
AS 1360.11	Low Voltage AC Motors
AS 1360.11	High Voltage AC Motors
AS 1379	Piled Foundations
AS 1379	Concrete Mattress and Grout Bag Supply and Installation
AS 1379	Concrete Mattress and Grout Bag Supply and Installation
AS 1397	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 1397	HVAC) Systems
AS 1418	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 1418	Overhead Cranes - General Requirements
AS 1418	Transport Rigging and Erection of Equipment and Vessels
AS 1418.1	Transport Rigging and Erection of Equipment and Vessels
AS 1418.4	Transport Rigging and Erection of Equipment and Vessels
AS 1418.5	Transport Rigging and Erection of Equipment and Vessels
AS 1432	HVAC Systems
AS 1478	Piled Foundations
AS 1478	Concrete Mattress and Grout Bag Supply and Installation
AS 1478	Concrete Mattress and Grout Bag Supply and Installation
AS 1530	Substation Layout
AS 1530	HVAC Systems
AS 1553	Piled Foundations
AS 1554	Piled Foundations
AS 1554	Waste Heat Recovery Unit

Number	Description
AS 1554	Substation Layout
AS 1554	HVAC Systems
AS 1554	Overhead Cranes - General Requirements
AS 1571	HVAC Systems
AS 1579	Piled Foundations
AS 1603	Substation Layout
AS 1603	HVAC Systems
AS 1627	Piled Foundations
AS 1627	Power Transformers
AS 1627.4	Offshore Pipeline Weight Coating and Anode Installation
AS 1654	High Voltage AC Motors
AS 1657	Blast Resistant Building
AS 1657	Substation Layout
AS 1657	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 1666.2	Transport Rigging and Erection of Equipment and Vessels
AS 1668	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 1668.1	HVAC Systems
AS 1668.2	HVAC Systems
AS 1670	Fire and Gas Detection Systems
AS 1680	Substation Layout
AS 1680	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 1680	HVAC Systems
AS 1682.1	Substation Layout
AS 1682.1	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 1682.1	HVAC Systems
AS 1726	Site Preparation and Earthworks
AS 1726	Installation of Gabions and Reno Mattresses
AS 1742	Roads and Bridges
AS 1743	Roads and Bridges
AS 1767.1	Power Transformers
AS 1768	Earthing and Over-voltage Protection
AS 1768	Permanent Operations Rotator Housing Community
AS 1796	Piled Foundations
AS 1824-1	Power Transformers
AS 1824-2	Power Transformers
AS 1861.2	Substation Layout
AS 1861.2	HVAC Systems
AS 1905	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 1905.1	HVAC Systems
AS 1939 (Superseded by AS 60529)	Motor Application

Number	Description
AS 1939 (Superseded by AS 60529)	Low Voltage AC Motors
AS 1939 (Superseded by AS 60529)	High Voltage AC Motors
AS 1940	Instrument Transmission Systems
AS 2041	Installation of Corrugated Steel Drainage Structures and Protection Works
AS 2053	HVAC Systems
AS 2062	Upstream Cold Bending of Pipe
AS 2067	Power Transformers
AS 2159	Piled Foundations
AS 2177	Piled Foundations
AS 2177.1	Upstream Cold Bending of Pipe
AS 2187	Blasting for Excavations
AS 2205.5.1	Upstream Cold Bending of Pipe
AS 2205.6.1	Upstream Cold Bending of Pipe
AS 2205.7.1	Upstream Cold Bending of Pipe
AS 2207	Piled Foundations
AS 2207	Upstream Cold Bending of Pipe
AS 2214	Piled Foundations
AS 2239	Directional Boring
AS 2293	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 2349	Piled Foundations
AS 2350	Piled Foundations
AS 2374	Power Transformers
AS 2374.6-1994	Facility Noise Design Criteria
AS 2380.4	Control Centres
AS 2380.4	Area Classification and Related Electrical Design for Flammable Liquids Gases Or Vapours
AS 2381	Centrifugal Pumps for Non-hydrocarbon Plant Services
AS 2381	Positive Displacement Pumps - Rotary
AS 2381.1	Centrifugal Pumps for Heavy Duty Services
AS 2395	Power Transformers
AS 2419	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 2430.1	Centrifugal Fire Pumps
AS 2430.1	Rotary Screw Compressors
AS 2444	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 2550	Transport Rigging and Erection of Equipment and Vessels
AS 2550.1	Transport Rigging and Erection of Equipment and Vessels
AS 2550.4	Transport Rigging and Erection of Equipment and Vessels
AS 2550.5	Transport Rigging and Erection of Equipment and Vessels
AS 2566.2	Onshore Pipeline Installation
AS 2625	Low Voltage AC Motors

Number	Description
AS 2625	High Voltage AC Motors
AS 2676.2	HVAC Systems
AS 2700	Low Voltage AC Motors
AS 2700	High Voltage AC Motors
AS 2700	Power Transformers
AS 2729	Low Voltage AC Motors
AS 2729	High Voltage AC Motors
AS 2735	Power Transformers
AS 2758	Piled Foundations
AS 2758	Installation of Gabions and Reno Mattresses
AS 2758	Concrete Mattress and Grout Bag Supply and Installation
AS 2758	Concrete Mattress and Grout Bag Supply and Installation
AS 2768	Motor Application
AS 2768	Low Voltage AC Motors
AS 2768	High Voltage AC Motors
AS 2832.1	Rock Shield Coating for Onshore Pipelines
AS 2885.1	Upstream Cold Bending of Pipe
AS 2885.1	Onshore Pipeline Design
AS 2885.1	- Pigging Systems
AS 2885.1	Onshore Pipeline Installation
AS 2885.1	System Gauging, Hydrotesting and Disposal
AS 2885.1	Drying and Purging
AS 2885.1	Directional Boring
AS 2885.1-1997/Amdt 1-2001	Shore Approach Construction
AS 2885.2	Onshore Pipeline Design
AS 2885.2	- Pigging Systems
AS 2885.2	Onshore Pipeline Installation
AS 2885.2	Directional Boring
AS 2885.3	Onshore Pipeline Design
AS 2885.3	Onshore Pipeline Installation
AS 2885.3	Drying and Purging
AS 2885.3	Directional Boring
AS 2885.4	Shore Approach Construction
AS 2885.4	Shallow Water Pipeline Construction and Installation
AS 2885.5	Onshore Pipeline Design
AS 2885.5	Onshore Pipeline Installation
AS 2885.5	System Gauging, Hydrotesting and Disposal
AS 2885.5	Directional Boring
AS 3000	Centrifugal Pumps for Heavy Duty Services

Number	Description
AS 3000	Centrifugal Pumps for Non-hydrocarbon Plant Services
AS 3000	Positive Displacement Pumps - Rotary
AS 3000	Upstream Positive Displacement Pumps - Reciprocating
AS 3000	Electric Power Branch Circuit Design for Instrumentation
AS 3000	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
AS 3000	Field Bus and Control Networks
AS 3000	Instrument Control Panels
AS 3000	Control Centres
AS 3000	Protection of Electrical Equipment in Contaminated Environments
AS 3000	Low Voltage AC Motors
AS 3000	High Voltage AC Motors
AS 3000	Secondary Selective Substations with Residual Voltage Based Automatic Transfer
AS 3000	Overhead Cranes - General Requirements
AS 3000	Permanent Operations Rotator Housing Community
AS 3010	Generator Sizing Criteria
AS 3011.2	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 3011.2	HVAC Systems
AS 3147	HVAC Systems
AS 3500	Permanent Operations Rotator Housing Community
AS 3512	Piled Foundations
AS 3600	Plant Buildings for Operations
AS 3600	Blast Resistant Building
AS 3600	Warehouse Building
AS 3600	Steel Stacks
AS 3600	Piled Foundations
AS 3600	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 3600	Permanent Operations Rotator Housing Community
AS 3600	Shore Approach Construction
AS 3600	Tank Foundations
AS 3635	Instrumentation for Fired Heaters
AS 3678	Piled Foundations
AS 3679	Piled Foundations
AS 3700	Plant Buildings for Operations
AS 3700	Blast Resistant Building
AS 3700	Warehouse Building
AS 3700	Steel Stacks
AS 3705	Installation of Gabions and Reno Mattresses
AS 3705	Roads and Bridges
AS 3706	Installation of Gabions and Reno Mattresses

Number	Description
AS 3706	Roads and Bridges
AS 3709	Low Voltage AC Motors
AS 3709	High Voltage AC Motors
AS 3735	Piled Foundations
AS 3775.2	Transport Rigging and Erection of Equipment and Vessels
AS 3814 (AG 501)	Instrumentation for Fired Heaters
AS 3814 (AG 501)	Instrumentation for Fired Heaters
AS 3850	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 3890	Low Voltage AC Motors
AS 3890	High Voltage AC Motors
AS 3947	Power Transformers
AS 3961	Instruments for Storage Tanks and Vessels
AS 3972	Piled Foundations
AS 3972	Concrete Mattress and Grout Bag Supply and Installation
AS 3972	Concrete Mattress and Grout Bag Supply and Installation
AS 3990	Piled Foundations
AS 3990	Permanent Operations Rotator Housing Community
AS 3998	Upstream Cold Bending of Pipe
AS 4037	Pressure Testing of Unfired Pressure Vessels
AS 4037 – 1999	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
AS 4100	Plant Buildings for Operations
AS 4100	Blast Resistant Building
AS 4100	Warehouse Building
AS 4100	Steel Stacks
AS 4100	Piled Foundations
AS 4100	Waste Heat Recovery Unit
AS 4100	Substation Layout
AS 4100	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 4100	HVAC Systems
AS 4100	Overhead Cranes - General Requirements
AS 4100	Permanent Operations Rotator Housing Community
AS 4142	Concrete Mattress and Grout Bag Supply and Installation
AS 4142	Concrete Mattress and Grout Bag Supply and Installation
AS 4143	Concrete Mattress and Grout Bag Supply and Installation
AS 4143	Concrete Mattress and Grout Bag Supply and Installation
AS 4254	HVAC Systems
AS 4600	Piled Foundations
AS 4600	HVAC Systems
AS 4600	Permanent Operations Rotator Housing Community

Number	Description
AS 4671	Blast Resistant Building
AS 4671	Piled Foundations
AS 4678	Installation of Gabions and Reno Mattresses
AS 4680	Piled Foundations
AS 4680	Installation of Gabions and Reno Mattresses
AS 4791	Piled Foundations
AS 4792	Piled Foundations
AS 4801	Internal Combustion Diesel Engines
AS 4801	HVAC Systems
AS 4991	Transport Rigging and Erection of Equipment and Vessels
AS 5100	Roads and Bridges
AS 60044.1	Power Transformers
AS 60068.2.27	Environmental Protection for Instrumentation
AS 60068.2.27	Programmable Logic Controllers Specification
AS 60068.2.31	Environmental Protection for Instrumentation
AS 60068.2.6	Environmental Protection for Instrumentation
AS 60068.2.6	Programmable Logic Controllers Specification
AS 60068.2.64	Environmental Protection for Instrumentation
AS 60068.2.64	Programmable Logic Controllers Specification
AS 60076	Specification for Electrical Requirement for Buildings
AS 60079	Internal Combustion Diesel Engines
AS 60079	Area Classification and Related Electrical Design for Flammable Liquids Gases Or Vapours
AS 60079.20	Centrifugal Fire Pumps
AS 60079.20	Rotary Screw Compressors
AS 60079.20	Packaged Gas Turbines
AS 60529	Temperature Instruments
AS 60529	Electronic and Pneumatic Instruments
AS 60529	Environmental Protection for Instrumentation
AS 60529	Protective Systems
AS 60529	Electric Motor Operators for Valves
AS 60529	Actuators for On / Off Valves
AS 60529	Instrument Transmission Systems
AS 60529	Field Bus and Control Networks
AS 60529	Instrument Control Panels
AS 60529	Protection of Electrical Equipment in Contaminated Environments
AS 60529	Power Transformers
AS 60529	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS 60529	Specification for Electrical Requirement for Buildings
AS 61508.4	Protective Systems

Number	Description
AS 61508.5	Protective Systems
AS 61508.6	Protective Systems
AS 61508.7	Protective Systems
AS IEC 61131.2	Environmental Protection for Instrumentation
AS IEC 61131.3	Programmable Logic Controllers Specification
AS IEC 61131.3	Protective Systems
AS IEC 61131.3	Packaged Unit Instrumentation
AS IEC 61511.1	Protective Systems
AS IEC 61511.1	Packaged Unit Instrumentation
AS IEC 61511.2	Protective Systems
AS IEC 61511.2	Packaged Unit Instrumentation
AS IEC 61511.3	Packaged Unit Instrumentation
AS IEC 61672	Facility Noise Design Criteria
AS 60529	Packaged Unit Instrumentation
AS/NZS 1020	Earthing and Over-voltage Protection
AS/NZS 1125	Specification for Electrical Requirement for Buildings
AS/NZS 1170	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS/NZS 1200	Instrumentation for Fired Heaters
AS/NZS 1429.1	Low Voltage Cable
AS/NZS 1429.1	High Voltage Power Cable Rated 1 kV Through 36 kV
AS/NZS 1660	Specification for Electrical Requirement for Buildings
AS/NZS 1668	Substation Layout
AS/NZS 1677.1	HVAC Systems
AS/NZS 1677.2	HVAC Systems
AS/NZS 1768	Instrument Transmission Systems
AS/NZS 1905.	Substation Layout
AS/NZS 2053	Substation Layout
AS/NZS 2053	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS/NZS 2312	Power Transformers
AS/NZS 2373	Instrument Wire and Cable
AS/NZS 2381	Area Classification and Related Electrical Design for Flammable Liquids Gases Or Vapours
AS/NZS 2381.1	Rotary Screw Compressors
AS/NZS 2381.1	Reciprocating Process Compressors
AS/NZS 2381.1	Packaged Gas Turbines
AS/NZS 2381.1	Internal Combustion Diesel Engines
AS/NZS 2381.1	Axial and Centrifugal Compressors for Heavy Duty Services
AS/NZS 2381.1	Instrument Transmission Systems
AS/NZS 2381.1	Packaged Unit Instrumentation
AS/NZS 2381.1	Low Voltage AC Motors

Number	Description
AS/NZS 2381.1	High Voltage AC Motors
AS/NZS 2381.1	Diesel Systems
AS/NZS 2650	Power Transformers
AS/NZS 3000	Waste Heat Recovery Unit
AS/NZS 3000	Centrifugal Fire Pumps
AS/NZS 3000	Rotary Screw Compressors
AS/NZS 3000	Reciprocating Process Compressors
AS/NZS 3000	Packaged Gas Turbines
AS/NZS 3000	Lubrication Shaft-Sealing and Oil Control Systems and Auxiliaries
AS/NZS 3000	Internal Combustion Diesel Engines
AS/NZS 3000	Axial and Centrifugal Compressors for Heavy Duty Services
AS/NZS 3000	Electric Motor Operators for Valves
AS/NZS 3000	Actuators for On / Off Valves
AS/NZS 3000	Instrument Transmission Systems
AS/NZS 3000	Instrument Wire and Cable
AS/NZS 3000	Packaged Unit Instrumentation
AS/NZS 3000	Area Classification and Related Electrical Design for Flammable Liquids Gases Or Vapours
AS/NZS 3000	Electrical Control and Management System (ECMS)
AS/NZS 3000	Earthing and Over-voltage Protection
AS/NZS 3000	Substation Layout
AS/NZS 3000	Power Transformers
AS/NZS 3000	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS/NZS 3000	Specification for Electrical Requirement for Buildings
AS/NZS 3000	HVAC Systems
AS/NZS 3000	Diesel Systems
AS/NZS 3013	Instrument Wire and Cable
AS/NZS 3123	Specification for Electrical Requirement for Buildings
AS/NZS 3666.1	HVAC Systems
AS/NZS 3808	Specification for Electrical Requirement for Buildings
AS/NZS 3947.3	Specification for Electrical Requirement for Buildings
AS/NZS 3947.4	Specification for Electrical Requirement for Buildings
AS/NZS 3947.5.1	Specification for Electrical Requirement for Buildings
AS/NZS 4507	Instrument Wire and Cable
AS/NZS 4586	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS/NZS 4600	Substation Layout
AS/NZS 4671	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS/NZS 4680	Power Transformers
AS/NZS 4791	HVAC Systems
AS/NZS 4805	Specification for Electrical Requirement for Buildings
AS/NZS 5000.1	Instrument Wire and Cable

Number	Description
AS/NZS 60079	Motor Application
AS/NZS 60079	Low Voltage AC Motors
AS/NZS 60079	High Voltage AC Motors
AS/NZS 60079	Specification for Electrical Requirement for Buildings
AS/NZS 60079.0	Electronic and Pneumatic Instruments
AS/NZS 60079.0	Environmental Protection for Instrumentation
AS/NZS 60079.0	Electric Motor Operators for Valves
AS/NZS 60079.0	Instrument Transmission Systems
AS/NZS 60079.0	Instrument Control Panels
AS/NZS 60079.0	Packaged Unit Instrumentation
AS/NZS 60079.1	Electric Motor Operators for Valves
AS/NZS 60079.1	Specification for Electrical Requirement for Buildings
AS/NZS 60079.11	Instrumentation for Fired Heaters
AS/NZS 60079.11	Instrumentation for Fired Heaters
AS/NZS 60079.11	Temperature Instruments
AS/NZS 60079.11	Pressure Instruments
AS/NZS 60079.11	Level Instruments
AS/NZS 60079.11	Electronic and Pneumatic Instruments
AS/NZS 60079.11	Process Analysers
AS/NZS 60079.11	Instrument Control Panels
AS/NZS 60079.11	Instrument Wire and Cable
AS/NZS 60079.15	Specification for Electrical Requirement for Buildings
AS/NZS 60079.7	Specification for Electrical Requirement for Buildings
AS/NZS 60227	Specification for Electrical Requirement for Buildings
AS/NZS 61000	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
AS/NZS 61000.1.1	Programmable Logic Controllers Specification
AS/NZS 61000.4.2	Environmental Protection for Instrumentation
AS/NZS 61000.4.2	Programmable Logic Controllers Specification
AS/NZS 61000.4.3	Environmental Protection for Instrumentation
AS/NZS 61000.4.3	Programmable Logic Controllers Specification
AS/NZS 61000.4.3	Protective Systems
AS/NZS 61000.4.5	Environmental Protection for Instrumentation
AS/NZS ISO 9001	Power Transformers
AS/NZS3008.1.1	Instrument Wire and Cable
ASCE 7	Atmospheric Storage Tanks
ASCE 7	Transport Rigging and Erection of Equipment and Vessels
ASCE BLAST	Blast Resistant Building
ASM Consortium Guidelines	Upstream Alarm Systems
ASME 2235-6	Additional Requirements for Special Criteria Pressure Vessels
ASME B1.1	Centrifugal Fire Pumps
ASME B1.20.1	Pressure Vessels
ASME B1.20.1	Burners for Fired Heaters

Number	Description
ASME B1.20.1	Centrifugal Pumps for Non-hydrocarbon Plant Services
ASME B1.20.1	Packaged Gas Turbines
ASME B1.20.1	Temperature Instruments
ASME B1.20.1	Pressure Instruments
ASME B1.20.1	Level Instruments
ASME B1.20.1	Electronic and Pneumatic Instruments
ASME B1.20.1	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ASME B1.20.3	Centrifugal Fire Pumps
ASME B15.1	Axial and Centrifugal Compressors for Heavy Duty Services
ASME B16.1	Air-Cooled Heat Exchangers
ASME B16.1	Centrifugal Pumps for Non-hydrocarbon Plant Services
ASME B16.1	Centrifugal Fire Pumps
ASME B16.1	Packaged Gas Turbines
ASME B16.11	Centrifugal Pumps for Heavy Duty Services
ASME B16.11	Shaft Sealing Systems for Centrifugal and Rotary Pumps
ASME B16.11	Positive Displacement Pumps - Rotary
ASME B16.11	Upstream Positive Displacement Pumps - Reciprocating
ASME B16.11	Axial and Centrifugal Compressors for Heavy Duty Services
ASME B16.11	Control Valves
ASME B16.11	Control Valves
ASME B16.20	Pressure Vessels
ASME B16.20	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASME B16.20	Upstream Positive Displacement Pumps - Reciprocating
ASME B16.20	Volumetric Measurement of Natural Gas and Other Gases
ASME B16.21	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASME B16.34	Flow Instruments
ASME B16.34	Production Metering
ASME B16.34	Control Valves
ASME B16.36	Flow Instruments
ASME B16.36	Production Metering
ASME B16.47	Pressure Vessels
ASME B16.47	TEMA Type Shell-and-Tube Heat Exchangers
ASME B16.47	Control Valves
ASME B16.5	Pressure Vessels
ASME B16.5	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASME B16.5	TEMA Type Shell-and-Tube Heat Exchangers
ASME B16.5	Air-Cooled Heat Exchangers
ASME B16.5	Centrifugal Pumps for Non-hydrocarbon Plant Services
ASME B16.5	Positive Displacement Pumps - Rotary

Number	Description
ASME B16.5	Centrifugal Fire Pumps
ASME B16.5	Upstream Positive Displacement Pumps - Reciprocating
ASME B16.5	Packaged Gas Turbines
ASME B16.5	Internal Combustion Diesel Engines
ASME B16.5	Axial and Centrifugal Compressors for Heavy Duty Services
ASME B16.5	Temperature Instruments
ASME B16.5	Flow Instruments
ASME B16.5	Production Metering
ASME B16.5	Electronic and Pneumatic Instruments
ASME B16.5	Control Valves
ASME B16.5	Volumetric Measurement of Natural Gas and Other Gases
ASME B30.26-2004	Transport Rigging and Erection of Equipment and Vessels
ASME B31.3	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASME B31.3	Waste Heat Recovery Unit
ASME B31.3	Centrifugal Pumps for Heavy Duty Services
ASME B31.3	Shaft Sealing Systems for Centrifugal and Rotary Pumps
ASME B31.3	Positive Displacement Pumps - Rotary
ASME B31.3	Rotary Screw Compressors
ASME B31.3	Reciprocating Process Compressors
ASME B31.3	Lubrication Shaft-Sealing and Oil Control Systems and Auxiliaries
ASME B31.3	Internal Combustion Diesel Engines
ASME B31.3	Axial and Centrifugal Compressors for Heavy Duty Services
ASME B31.3	Flow Instruments
ASME B31.3	Production Metering
ASME B31.3	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ASME B31.3	Control Valves
ASME B31.3	Additional Requirements for Materials
ASME B31.3	Upstream Positive Materials Identification
ASME B31.3	Volumetric Measurement of Natural Gas and Other Gases
ASME B31.8	Flow Instruments
ASME B31.8	Volumetric Measurement of Natural Gas and Other Gases
ASME B40.100	Pressure Instruments
ASME B73.1M	Centrifugal Pumps for Non-hydrocarbon Plant Services
ASME B73.2M	Centrifugal Pumps for Non-hydrocarbon Plant Services
ASME BPVC Sec IX	Positive Displacement Pumps - Rotary
ASME BPVC Sec VIII	Centrifugal Pumps for Non-hydrocarbon Plant Services
ASME BPVC Sec VIII	Upstream Positive Displacement Pumps - Reciprocating
ASME BPVC SEC VIII D1	Positive Displacement Pumps - Rotary
ASME Case 2235-9	Pressure Vessels

Number	Description
ASME PTC 10	Axial and Centrifugal Compressors for Heavy Duty Services
ASME PTC 19.3	Packaged Gas Turbines
ASME PTC 19.3	Temperature Instruments
ASME PTC 22	Packaged Gas Turbines
ASME Publication 87-GT-10	Axial and Centrifugal Compressors for Heavy Duty Services
ASME SEC II A	Upstream Positive Materials Identification
ASME SEC II B	Upstream Positive Materials Identification
ASME SEC II C	Upstream Positive Materials Identification
ASME SEC II D	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASME SEC IX	Additional Requirements for Special Criteria Pressure Vessels
ASME SEC IX	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASME SEC IX	Atmospheric Storage Tanks
ASME SEC IX	Upstream Positive Displacement Pumps - Reciprocating
ASME SEC IX	Rotary Screw Compressors
ASME SEC IX	Axial and Centrifugal Compressors for Heavy Duty Services
ASME SEC IX	Actuators for On / Off Valves
ASME SEC IX	Additional Requirements for Materials
ASME SEC IX	Volumetric Measurement of Natural Gas and Other Gases
ASME SEC V	Air-Cooled Heat Exchangers
ASME SEC V	Offshore Structural Welding and Inspection
ASME SEC VIII D1	Pressure Vessels
ASME SEC VIII D1	Additional Requirements for Special Criteria Pressure Vessels
ASME SEC VIII D1	Pressure Testing of Unfired Pressure Vessels
ASME SEC VIII D1	TEMA Type Shell-and-Tube Heat Exchangers
ASME SEC VIII D1	Brazed Aluminium Heat Exchangers
ASME SEC VIII D1	Air-Cooled Heat Exchangers
ASME SEC VIII D1	Atmospheric Storage Tanks
ASME SEC VIII D1	Centrifugal Pumps for Heavy Duty Services
ASME SEC VIII D1	Shaft Sealing Systems for Centrifugal and Rotary Pumps
ASME SEC VIII D1	Rotary Screw Compressors
ASME SEC VIII D1	Reciprocating Process Compressors
ASME SEC VIII D1	Axial and Centrifugal Compressors for Heavy Duty Services
ASME SEC VIII D1	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ASME SEC VIII D1	Control Valves
ASME SEC VIII D1	Actuators for On / Off Valves
ASME SEC VIII D1	Additional Requirements for Materials
ASME SEC VIII D1 B PT UW	Axial and Centrifugal Compressors for Heavy Duty Services
ASME SEC VIII D1 C PT UCS	Axial and Centrifugal Compressors for Heavy Duty Services
ASME SEC VIII D1 C PT UHA	Axial and Centrifugal Compressors for Heavy Duty Services

Number	Description
ASME SEC VIII D1 MA APP 12	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASME SEC VIII D1 MA APP 2	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASME SEC VIII D1 MA APP 6	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASME SEC VIII D2	Pressure Vessels
ASME SEC VIII D2	Additional Requirements for Special Criteria Pressure Vessels
ASME SEC VIII D2	Pressure Testing of Unfired Pressure Vessels
ASME SEC VIII D2	TEMA Type Shell-and-Tube Heat Exchangers
ASME SEC VIII D2	Brazed Aluminium Heat Exchangers
ASME SEC VIII D2	Additional Requirements for Materials
ASME Section IX	Waste Heat Recovery Unit
ASME Section V	Waste Heat Recovery Unit
ASME Section VIII	Waste Heat Recovery Unit
ASME Section VIII	- Pigging Systems
ASME STS-1	Steel Stacks
ASNT SNT-TC-1A	Offshore Structural Welding and Inspection
ASSE/SAFE A1264.1	Air-Cooled Heat Exchangers
ASSE/SAFE A1264.1	Atmospheric Storage Tanks
ASTM A 370	Upstream Cold Bending of Pipe
ASTM A 105/A 105M	Volumetric Measurement of Natural Gas and Other Gases
ASTM A 106	Atmospheric Storage Tanks
ASTM A 106	Packaged Gas Turbines
ASTM A 106	Volumetric Measurement of Natural Gas and Other Gases
ASTM A 106/A 106M	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ASTM A 123/A 123M	Atmospheric Storage Tanks
ASTM A 123/A 123M	Instrument Transmission Systems
ASTM A 153/A 153M	Atmospheric Storage Tanks
ASTM A 167	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 167	Upstream Thermal Insulation
ASTM A 176	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 193/A 193M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 193/A 193M	TEMA Type Shell-and-Tube Heat Exchangers
ASTM A 193/A 193M	Atmospheric Storage Tanks
ASTM A 193/A 193M	Axial and Centrifugal Compressors for Heavy Duty Services
ASTM A 193/A 193M	Volumetric Measurement of Natural Gas and Other Gases
ASTM A 194/A 194M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 194/A 194M	Axial and Centrifugal Compressors for Heavy Duty Services
ASTM A 194/A 194M	Volumetric Measurement of Natural Gas and Other Gases
ASTM A 204/A 204M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 240/A 240M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels

Number	Description
ASTM A 249/A 249M	Temperature Instruments
ASTM A 268/A 268M	Temperature Instruments
ASTM A 269	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ASTM A 269	Control Valves
ASTM A 269	Instrument Control Panels
ASTM A 276	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 276	Temperature Instruments
ASTM A 283/A 283M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 283/A 283M	Sacrificial Anode Fabrication Specification
ASTM A 285/A 285M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 297/A 297M	Upstream Fired Heaters - Design and Fabrication
ASTM A 307	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 307	Atmospheric Storage Tanks
ASTM A 307	Axial and Centrifugal Compressors for Heavy Duty Services
ASTM A 312/A 312M	Packaged Gas Turbines
ASTM A 312/A 312M	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ASTM A 320/A 320M	TEMA Type Shell-and-Tube Heat Exchangers
ASTM A 320/A 320M	Axial and Centrifugal Compressors for Heavy Duty Services
ASTM A 320/A 320M	Control Valves
ASTM A 333/A 333M	Atmospheric Storage Tanks
ASTM A 36/A 36M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 36/A 36M	Upstream Thermal Insulation
ASTM A 36/A 36M	Sacrificial Anode Fabrication Specification
ASTM A 370	Upstream Induction Bending of Pipe
ASTM A 370	Upstream Induction Bending of Pipe
ASTM A 387/A 387M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 388/A 388M	Additional Requirements for Special Criteria Pressure Vessels
ASTM A 395/A 395M	Centrifugal Pumps for Heavy Duty Services
ASTM A 395/A 395M	Positive Displacement Pumps - Rotary
ASTM A 414/A 414M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 479/A 479M	Temperature Instruments
ASTM A 480	Packaged Gas Turbines
ASTM A 487/A 487M	Centrifugal Pumps for Heavy Duty Services
ASTM A 488/A 488M	Rotary Screw Compressors
ASTM A 488/A 488M	Axial and Centrifugal Compressors for Heavy Duty Services
ASTM A 494/A 494M	Centrifugal Pumps for Heavy Duty Services
ASTM A 515/A 515M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 516/A 516M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 525	Plant Buildings for Operations

Number	Description
ASTM A 525/A 525M REV B	Blast Resistant Building
ASTM A 53/A 53M	Atmospheric Storage Tanks
ASTM A 53/A 53M	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ASTM A 53/A 53M	Permanent Operations Rotator Housing Community
ASTM A 569/A 569M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 570/A 570M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 572/A 572M	Blast Resistant Building
ASTM A 573/A 573M	Atmospheric Storage Tanks
ASTM A 578/A 578M	Additional Requirements for Special Criteria Pressure Vessels
ASTM A 653/A 653M	Shelters for Process Analysers
ASTM A 675/A 675M	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM A 74	Plant Buildings for Operations
ASTM A 745/A 745M	Additional Requirements for Special Criteria Pressure Vessels
ASTM A 751	Upstream Positive Materials Identification
ASTM A 792/A 792M	Blast Resistant Building
ASTM A 810	Offshore Pipeline Weight Coating and Anode Installation
ASTM A 82	Blast Resistant Building
ASTM A 82/A 82M	Offshore Pipeline Weight Coating and Anode Installation
ASTM A 833	Additional Requirements for Materials
ASTM A 956	Additional Requirements for Materials
ASTM A106	Internal Combustion Diesel Engines
ASTM A312	Internal Combustion Diesel Engines
ASTM A380	Packaged Gas Turbines
ASTM B 111	Centrifugal Pumps for Heavy Duty Services
ASTM B 111	Rotary Screw Compressors
ASTM B 111	Reciprocating Process Compressors
ASTM B 111	General Purpose Gear Units
ASTM B 111M	Centrifugal Pumps for Heavy Duty Services
ASTM B 111M	Rotary Screw Compressors
ASTM B 111M	Reciprocating Process Compressors
ASTM B 127	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM B 151/B 151M	Reciprocating Process Compressors
ASTM B 16/B 16M	Control Valves
ASTM B 164	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM B 169/B 169M	Centrifugal Pumps for Heavy Duty Services
ASTM B 169/B 169M	Rotary Screw Compressors
ASTM B 169/B 169M	Rotary Screw Compressors
ASTM B 169/B 169M	Reciprocating Process Compressors
ASTM B 169/B 169M	Reciprocating Process Compressors

Number	Description
ASTM B 169/B 169M	General Purpose Gear Units
ASTM B 169/B 169M	Lubrication Shaft-Sealing and Oil Control Systems and Auxiliaries
ASTM B 171/B 171M	Centrifugal Pumps for Heavy Duty Services
ASTM B 171/B 171M	Rotary Screw Compressors
ASTM B 171/B 171M	Reciprocating Process Compressors
ASTM B 171/B 171M	General Purpose Gear Units
ASTM B 171/B 171M	Lubrication Shaft-Sealing and Oil Control Systems and Auxiliaries
ASTM B 209	Plant Buildings for Operations
ASTM B 209	Upstream Thermal Insulation
ASTM B 265	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM B 29	Atmospheric Storage Tanks
ASTM B 348	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
ASTM B 418	Tank Foundations
ASTM B 466/B 466M	Reciprocating Process Compressors
ASTM B 584	Centrifugal Pumps for Heavy Duty Services
ASTM B 584	Rotary Screw Compressors
ASTM B 584	General Purpose Gear Units
ASTM B 584	Lubrication Shaft-Sealing and Oil Control Systems and Auxiliaries
ASTM B 68	Control Valves
ASTM B 68	Instrument Control Panels
ASTM B 75	Instrument Control Panels
ASTM B 88	Permanent Operations Rotator Housing Community
ASTM C 1048	Blast Resistant Building
ASTM C 12	Plant Buildings for Operations
ASTM C 150	Offshore Pipeline Weight Coating and Anode Installation
ASTM C 192/C 192M	Tank Foundations
ASTM C 195	Upstream Thermal Insulation
ASTM C 279	Atmospheric Storage Tanks
ASTM C 302	Upstream Thermal Insulation
ASTM C 303	Upstream Thermal Insulation
ASTM C 31/C 31M	Offshore Pipeline Weight Coating and Anode Installation
ASTM C 33	Offshore Pipeline Weight Coating and Anode Installation
ASTM C 332	Upstream Thermal Insulation
ASTM C 386	Atmospheric Storage Tanks
ASTM C 39/C 39M	Offshore Pipeline Weight Coating and Anode Installation
ASTM C 397	Atmospheric Storage Tanks
ASTM C 399	Atmospheric Storage Tanks
ASTM C 443	Plant Buildings for Operations
ASTM C 449/C 449M	Upstream Thermal Insulation

Number	Description
ASTM C 450	Upstream Thermal Insulation
ASTM C 533	Upstream Thermal Insulation
ASTM C 547	Upstream Thermal Insulation
ASTM C 549	Upstream Thermal Insulation
ASTM C 552	Upstream Thermal Insulation
ASTM C 585	Upstream Thermal Insulation
ASTM C 591	Upstream Thermal Insulation
ASTM C 592	Upstream Thermal Insulation
ASTM C 610	Upstream Thermal Insulation
ASTM C 612	Upstream Thermal Insulation
ASTM C 633	Thermal Arc Sprayed Metallic Coatings
ASTM C 642	Offshore Pipeline Weight Coating and Anode Installation
ASTM C 795	Upstream Thermal Insulation
ASTM C 871	Upstream Thermal Insulation
ASTM C 892	Upstream Thermal Insulation
ASTM C 94/C 94M	Offshore Pipeline Weight Coating and Anode Installation
ASTM D 1140	Site Preparation and Earthworks
ASTM D 1141	Sacrificial Anode Fabrication Specification
ASTM D 1186	Thermal Arc Sprayed Metallic Coatings
ASTM D 129	Upstream Positive Materials Identification
ASTM D 1556	Site Preparation and Earthworks
ASTM D 1556	Tank Foundations
ASTM D 1557	Site Preparation and Earthworks
ASTM D 1557	Tank Foundations
ASTM D 1621	Rock Shield Coating for Onshore Pipelines
ASTM D 1655	Diesel Systems
ASTM D 2000	Air-Cooled Heat Exchangers
ASTM D 2167	Site Preparation and Earthworks
ASTM D 2167	Tank Foundations
ASTM D 2880	Diesel Systems
ASTM D 2922	Site Preparation and Earthworks
ASTM D 2922	Tank Foundations
ASTM D 2937	Site Preparation and Earthworks
ASTM D 2937	Tank Foundations
ASTM D 4057	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ASTM D 4177	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ASTM D 4253	Site Preparation and Earthworks
ASTM D 4254	Site Preparation and Earthworks
ASTM D 4285	Thermal Arc Sprayed Metallic Coatings

Number	Description
ASTM D 4318	Site Preparation and Earthworks
ASTM D 4417	Thermal Arc Sprayed Metallic Coatings
ASTM D 448	Tank Foundations
ASTM D 4541	Thermal Arc Sprayed Metallic Coatings
ASTM D 4595	Rock Shield Coating for Onshore Pipelines
ASTM D 5276	Export Packing Requirements for Materials
ASTM D 624	Rock Shield Coating for Onshore Pipelines
ASTM D 6251/D 6251M	Export Packing Requirements for Materials
ASTM D 6299	Process Analysers
ASTM D 638	Corrosion Protection - Three Layer Polyethylene and Polypropylene Coatings
ASTM D 693	Tank Foundations
ASTM D 808	Upstream Positive Materials Identification
ASTM D 880	Export Packing Requirements for Materials
ASTM D 999	Export Packing Requirements for Materials
ASTM E 10	Additional Requirements for Materials
ASTM E 1086	Upstream Positive Materials Identification
ASTM E 110	Additional Requirements for Materials
ASTM E 1137	Temperature Instruments
ASTM E 1137	Pressure Instruments
ASTM E 1290	Offshore Structural Welding and Inspection
ASTM E 162	Atmospheric Storage Tanks
ASTM E 165	Offshore Structural Welding and Inspection
ASTM E 165	Offshore Pipeline Weight Coating and Anode Installation
ASTM E 18	Upstream Induction Bending of Pipe
ASTM E 18	Upstream Induction Bending of Pipe
ASTM E 23	Upstream Induction Bending of Pipe
ASTM E 23	Upstream Induction Bending of Pipe
ASTM E 230	Temperature Instruments
ASTM E 230	Pressure Instruments
ASTM E 235	Temperature Instruments
ASTM E 235	Pressure Instruments
ASTM E 352	Upstream Positive Materials Identification
ASTM E 353	Upstream Positive Materials Identification
ASTM E 354	Upstream Positive Materials Identification
ASTM E 572	Upstream Positive Materials Identification
ASTM E 709	Offshore Structural Welding and Inspection
ASTM E 709	Offshore Pipeline Weight Coating and Anode Installation
ASTM E 84	Plant Buildings for Operations
ASTM E 84	Shelters for Process Analysers

Number	Description
ASTM E 84	Shelters for Process Analysers
ASTM E 84	Upstream Thermal Insulation
ASTM E 84	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ASTM E 92	Upstream Induction Bending of Pipe
ASTM E 92	Offshore Structural Welding and Inspection
ASTM E 92	Offshore Pipeline Weight Coating and Anode Installation
ASTM E 92	Upstream Induction Bending of Pipe
ASTM E 94	Additional Requirements for Special Criteria Pressure Vessels
ASTM E 96/E 96M	Upstream Thermal Insulation
ASTM F 1166	Internal Combustion Diesel Engines
ASTM F 436	Pressure Vessels
ASTM F 436M	Pressure Vessels
ASTM F 441/F 441M	Permanent Operations Rotator Housing Community
ASTM G 13	Rock Shield Coating for Onshore Pipelines
ASTM G 14	Rock Shield Coating for Onshore Pipelines
ASTM G 17	Rock Shield Coating for Onshore Pipelines
Austroads 1992	Roads and Bridges
AWS A4.3	Offshore Structural Welding and Inspection
AWS A5.20/A5.20M	Offshore Structural Welding and Inspection
AWS A5.29/A5.29M	Offshore Structural Welding and Inspection
AWS C2.16	Thermal Arc Sprayed Metallic Coatings
AWS C2.18	Thermal Arc Sprayed Metallic Coatings
AWS C2.2	Thermal Arc Sprayed Metallic Coatings
AWS D1.1	Offshore Pipeline Weight Coating and Anode Installation
AWS D1.1/D1.1M	Axial and Centrifugal Compressors for Heavy Duty Services
AWS D1.1/D1.1M	Sacrificial Anode Fabrication Specification
AWS D1.1/D1.1M	Offshore Structural Welding and Inspection
AWS D1.4	Offshore Pipeline Weight Coating and Anode Installation
BCA	Plant Buildings for Operations
BCA	Blast Resistant Building
BCA	Warehouse Building
BCA	Steel Stacks
BCA	Piled Foundations
BCA	Specification for Local Equipment Rooms and Motor Control Centre Transportable Building
BCA	Permanent Operations Rotator Housing Community
BS 3148	Concrete Mattress and Grout Bag Supply and Installation
BS 3148	Concrete Mattress and Grout Bag Supply and Installation
BS 4482	Concrete Mattress and Grout Bag Supply and Installation
BS 4482	Concrete Mattress and Grout Bag Supply and Installation

Number	Description
BS 4483	Concrete Mattress and Grout Bag Supply and Installation
BS 4483	Concrete Mattress and Grout Bag Supply and Installation
BS EN 12390-2	Offshore Pipeline Weight Coating and Anode Installation
BS EN 12390-3	Offshore Pipeline Weight Coating and Anode Installation
BS EN 12390-7	Offshore Pipeline Weight Coating and Anode Installation
BS EN 12504-1	Offshore Pipeline Weight Coating and Anode Installation
BS EN 13445	Additional Requirements for Special Criteria Pressure Vessels
BS EN 294	Axial and Centrifugal Compressors for Heavy Duty Services
BS EN 953	Axial and Centrifugal Compressors for Heavy Duty Services
BSI BS 5500	Pressure Vessels
BSI BS 6364	Actuators for On / Off Valves
BSI BS 7448 PART 2	Offshore Structural Welding and Inspection
BSI BS EN 10204	Sacrificial Anode Fabrication Specification
BSI BS EN 50081-2	Packaged Gas Turbines
BSI BS EN 50082-2	Packaged Gas Turbines
BSI BS EN ISO 8502-9	Internal Coating of Line Pipe
BSI BS EN ISO 8503-1	Internal Coating of Line Pipe
BSI BS EN ISO 8503-2	Internal Coating of Line Pipe
BSI BS EN ISO 8503-4	Internal Coating of Line Pipe
BSI PD 5500	Additional Requirements for Materials
CENELEC EN 50081-2	Environmental Protection for Instrumentation
CENELEC EN 50082-2	Environmental Protection for Instrumentation
CENELEC EN 60794-1-1	Instrument Wire and Cable
CENELEC EN 60794-1-2	Instrument Wire and Cable
CENELEC EN 61515	Instrument Wire and Cable
CENELEC ENV 50141	Environmental Protection for Instrumentation
CENELEC HD 446.3 S1	Instrument Wire and Cable
Chapter 308	Blasting for Excavations
CIRIA SP 83	Rock Material Supply and Placement
COD AP	Additional Requirements for Materials
CSA Z245.20/Z245.21	Corrosion Protection - Three Layer Polyethylene and Polypropylene Coatings
CSC	Export Packing Requirements for Materials
DNV OS-F101	Offshore Pipeline Weight Coating and Anode Installation
DNV OS-F101	Handling, Transportation, Storage and Repair of Line Pipe
DNV-OS-F101	Upstream Induction Bending of Pipe
DNV-OS-F101	Pipeline Seabed Intervention Trenching Dredging and Backfilling
DNV-OS-F101	Shore Approach Construction
DNV-OS-F101	Shallow Water Pipeline Construction and Installation
DNV-OS-F101	Upstream Induction Bending of Pipe

Number	Description
DNV-RP-B401	Sacrificial Anode Fabrication Specification
DNV-RP-C204	Pipeline Seabed Intervention Trenching Dredging and Backfilling
DNV-RP-C204	Shallow Water Pipeline Construction and Installation
DNV-RP-E305	Pipeline Seabed Intervention Trenching Dredging and Backfilling
DNV-RP-E305	Shallow Water Pipeline Construction and Installation
DNV-RP-F105	Pipeline Seabed Intervention Trenching Dredging and Backfilling
DNV-RP-F105	Shallow Water Pipeline Construction and Installation
DNV-RP-F107	Pipeline Seabed Intervention Trenching Dredging and Backfilling
DNV-RP-F107	Shallow Water Pipeline Construction and Installation
EEMUA PUB NO 191	Upstream Alarm Systems
EN 10204 (DIN 50049)	Waste Heat Recovery Unit
EN 13445	Additional Requirements for Materials
FAA AC 70/7460-1	Upstream Fired Heaters - Design and Fabrication
FCI 70-2	HIPPS
FCI 70-2	Control Valves
FCI 70-2	Packaged Unit Instrumentation
FF-007	Field bus and Control Networks
FF-569	Field bus and Control Networks
FF-831	Field bus and Control Networks
GPA 2145	Volumetric Measurement of Natural Gas and Other Gases
GPA PUBL 181	Volumetric Measurement of Natural Gas and Other Gases
GPA STD 2166	Volumetric Measurement of Natural Gas and Other Gases
GRI GM-13	Site Preparation and Earthworks
HB 276	HVAC Systems
HB 40.1	HVAC Systems
IBC	Plant Buildings for Operations
IEC 60028	Low Voltage Cable
IEC 60034	Low Voltage AC Motors
IEC 60034-1	Power System Design
IEC 60060-1	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 60060-2	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 60072	Low Voltage AC Motors
IEC 60073	Specification for Electrical Requirement for Buildings
IEC 60079-14	Process Control Systems
IEC 60079-14	Area Classification and Related Electrical Design for Flammable Liquids Gases Or Vapour
IEC 60079-20	Area Classification and Related Electrical Design for Flammable Liquids Gases Or Vapour
IEC 60085	Low Voltage AC Motors
IEC 60183	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 60228	Low Voltage Cable

Number	Description
IEC 60228	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 60230	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 60287	Low Voltage Cable
IEC 60287	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 60331	Low Voltage Cable
IEC 60331	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 60332	Low Voltage Cable
IEC 60332	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 60332-1	Specification for Electrical Requirement for Buildings
IEC 60332-2	Specification for Electrical Requirement for Buildings
IEC 60445	Field bus and Control Networks
IEC 60445	Process Control Systems
IEC 60445	Specification for Electrical Requirement for Buildings
IEC 60446	Low Voltage Cable
IEC 60529	Process Control Systems
IEC 60668	Instrument Control Panels
IEC 60751	Temperature Instruments
IEC 60754	Low Voltage Cable
IEC 60770-1	Environmental Protection for Instrumentation
IEC 60811	Low Voltage Cable
IEC 60811	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 60812	Protective Systems
IEC 60812	HIPPS
IEC 60885	Low Voltage Cable
IEC 60885	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 60947	Electrical Control and Management System (ECMS)
IEC 60986	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 61000	ECMS
IEC 61000-4-4	Environmental Protection for Instrumentation
IEC 61000-6-2	Packaged Gas Turbines
IEC 61000-6-4	Packaged Gas Turbines
IEC 61025	Protective Systems
IEC 61025	HIPPS
IEC 61078	Protective Systems
IEC 61078	HIPPS
IEC 61115	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
IEC 61131	ECMS
IEC 61131-3	HIPPS
IEC 61131-3	Fire and Gas Detection Systems

Number	Description
IEC 61158	Field bus and Control Networks
IEC 61238	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 61285	Shelters for Process Analysers
IEC 61285	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
IEC 61298-1	Environmental Protection for Instrumentation
IEC 61298-2	Environmental Protection for Instrumentation
IEC 61298-3	Environmental Protection for Instrumentation
IEC 61298-4	Environmental Protection for Instrumentation
IEC 61442	High Voltage Power Cable Rated 1 kV Through 36 kV
IEC 61508-1	HIPPS
IEC 61508-1	Fire and Gas Detection Systems
IEC 61508-2	HIPPS
IEC 61508-3	HIPPS
IEC 61508-4	HIPPS
IEC 61508-5	HIPPS
IEC 61508-6	HIPPS
IEC 61508-7	HIPPS
IEC 61511-1	HIPPS
IEC 61511-1	Fire and Gas Detection Systems
IEC 61511-1	Process Control Systems
IEC 61511-2	HIPPS
IEC 61511-2	Fire and Gas Detection Systems
IEC 61511-3	HIPPS
IEC 61511-3	Fire and Gas Detection Systems
IEC 61588	Upstream Equipment Health Management
IEC 61804	Field bus and Control Networks
IEC 61850	ECMS
IEC 62271	ECMS
IEC TR 61831	Shelters for Process Analysers
IEC TR 61831	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
IEEE 112	Low Voltage AC Motors
IEEE 112	High Voltage AC Motors
IEEE 115	High Voltage AC Motors
IEEE 141	Power System Design
IEEE 142	Earthing and Over-voltage Protection
IEEE 1613	ECMS
IEEE 242	Power System Design
IEEE 43	High Voltage AC Motors
IEEE 522	High Voltage AC Motors

Number	Description
IEEE 730	Process Control Systems
IEEE 80	Earthing and Over-voltage Protection
IEEE 81	Earthing and Over-voltage Protection
IEEE 828	Process Control Systems
IEEE 837	Earthing and Over-voltage Protection
IEEE 841	Rotary Screw Compressors
IEEE 841	Low Voltage AC Motors
IEEE C37.90.1	Programmable Logic Controllers Specification
IEEE C37.90.1	Process Control Systems
IMDG Code	Export Packing Requirements for Materials
ISA 12.13.01	Packaged Gas Turbines
ISA 18.1	Upstream Alarm Systems
ISA 5.1	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ISA 5.1	Fire and Gas Detection Systems
ISA 5.1	Field bus and Control Networks
ISA 5.2	Protective Systems
ISA 5.2	HIPPS
ISA 5.5	Process Control Systems
ISA 50.02	Field bus and Control Networks
ISA 71.01	Environmental Protection for Instrumentation
ISA 71.01	Control Centres
ISA 71.01	Process Control Systems
ISA 71.04	Environmental Protection for Instrumentation
ISA 71.04	Control Centres
ISA 71.04	Process Control Systems
ISA 75.01.01	Control Valves
ISA 75.17	Control Valves
ISA 75.17	Control Systems for Packaged Turbo-Machinery
ISA 75.19.01	Control Valves
ISA 84.00.01	Fire and Gas Detection Systems
ISA 84.00.01 P1	HIPPS
ISA 84.00.01 P2	HIPPS
ISA 84.00.01 P3	HIPPS
ISA 84.01	Process Control Systems
ISA 88.01	Process Control Systems
ISA 95.00.01	Control Systems and Equipment Management System Security Implementation
ISA MC96.1	Instrument Wire and Cable
ISA TR84.00.02 Part 1	HIPPS
ISA TR84.00.02 Part 2	HIPPS

Number	Description
ISA TR84.00.02 Part 3	HIPPS
ISA TR84.00.02 Part 4	HIPPS
ISA TR84.00.02 Part 5	HIPPS
ISO 10715	Production Metering
ISO 14120	Axial and Centrifugal Compressors for Heavy Duty Services
ISO 1461	Sacrificial Anode Fabrication Specification
ISO 1496-1	Export Packing Requirements for Materials
ISO 15589-1	Cathodic Protection Requirements for Onshore Pipelines
ISO 15590-1	Upstream Induction Bending of Pipe
ISO 15590-1	Upstream Induction Bending of Pipe
ISO 3046	Internal Combustion Diesel Engines
ISO 31	Facility Noise Design Criteria
ISO 3166-1	Numbering System for Project Documents
ISO 3170	Production Metering
ISO 3171	Production Metering
ISO 3511	Process Control Systems
ISO 3690	Offshore Structural Welding and Inspection
ISO 3744	Facility Noise Design Criteria
ISO 3874	Export Packing Requirements for Materials
ISO 4309	Transport Rigging and Erection of Equipment and Vessels
ISO 5167-1	Flow Instruments
ISO 5167-2	Flow Instruments
ISO 5167-3	Flow Instruments
ISO 5167-4	Flow Instruments
ISO 6346	Export Packing Requirements for Materials
ISO 668	Export Packing Requirements for Materials
ISO 8501-1	Corrosion Protection - Fusion Bonded Epoxy Coating for Offshore Pipelines
ISO 8501-1	Corrosion Protection - Three Layer Polyethylene and Polypropylene Coatings
ISO 8501-1	Corrosion Protection - Upstream Three Layer Polypropylene Coating for Bends and Fittings
ISO 8501-1	Sacrificial Anode Fabrication Specification
ISO 8501-1	Internal Coating of Line Pipe
ISO 8501-1	Offshore Pipeline Weight Coating and Anode Installation
ISO 8502-3	Corrosion Protection - Fusion Bonded Epoxy Coating for Offshore Pipelines
ISO 8502-6	Instrumentation for Fired Heaters
ISO 8502-6	Corrosion Protection - Fusion Bonded Epoxy Coating for Offshore Pipelines
ISO 8502-6	Corrosion Protection - Three Layer Polyethylene and Polypropylene Coatings
ISO 8503-1	Instrumentation for Fired Heaters
ISO 8503-1	Corrosion Protection - Fusion Bonded Epoxy Coating for Offshore Pipelines
ISO 8503-1	Corrosion Protection - Three Layer Polyethylene and Polypropylene Coatings

Number	Description
ISO 8503-3	Corrosion Protection - Upstream Three Layer Polypropylene Coating for Bends and Fittings
ISO 8503-4	Corrosion Protection - Upstream Three Layer Polypropylene Coating for Bends and Fittings
ISO 8503-5	Internal Coating of Line Pipe
ISO 8528	Internal Combustion Diesel Engines
ISO 8943	Sample Transport and Sample Conditioning Systems for Process Stream Analysers
ISO 9001	Packaged Gas Turbines
ISO 9001	Offshore Structural Welding and Inspection
ISO TC 104	Export Packing Requirements for Materials
Method 20	Packaged Gas Turbines
MIL-A-18001	Sacrificial Anode Fabrication Specification
MIL-C-104C (1)	Export Packing Requirements for Materials
MIL-C-3774B	Export Packing Requirements for Materials
MIL-HDBK-217	Process Control Systems
MSS SP-25	Control Valves
MSS SP-97	Lubrication Shaft-Sealing and Oil Control Systems and Auxiliaries
N/A	Upstream Simulation Standards
NACE MR0103	Axial and Centrifugal Compressors for Heavy Duty Services
NACE MR0175	Internals for Towers Drums and Fixed Bed Molecular Sieve Vessels
NACE MR0175	Positive Displacement Pumps - Rotary
NACE MR0175	Upstream Positive Displacement Pumps - Reciprocating
NACE MR0175	Axial and Centrifugal Compressors for Heavy Duty Services
NACE MR0175	Additional Requirements for Materials
NACE MR0175	Onshore Pipeline Design
NACE MR0175/ISO 15156	TEMA Type Shell-and-Tube Heat Exchangers
NACE MR0175/ISO 15156	Axial and Centrifugal Compressors for Heavy Duty Services
NACE RP0169	Rock Shield Coating for Onshore Pipelines
NACE RP0169	Onshore Pipeline Design
NACE RP0287	Corrosion Protection - Fusion Bonded Epoxy Coating for Offshore Pipelines
NACE RP0287	Corrosion Protection - Three Layer Polyethylene and Polypropylene Coatings
NACE RP0287	Thermal Arc Sprayed Metallic Coatings
NACE RP0394	Corrosion Protection - Fusion Bonded Epoxy Coating for Offshore Pipelines
NACE RP0394	Corrosion Protection - Three Layer Polyethylene and Polypropylene Coatings
NACE RP0490	Corrosion Protection - Fusion Bonded Epoxy Coating for Offshore Pipelines
NACE SP0169	Cathodic Protection Requirements for Onshore Pipelines
NACE SP0177	Cathodic Protection Requirements for Onshore Pipelines
NACE SP0177	Onshore Pipeline Design
NACE SP0286	Cathodic Protection Requirements for Onshore Pipelines
NACE SP0387	Sacrificial Anode Fabrication Specification
NACE SP0492	Sacrificial Anode Fabrication Specification

Number	Description
NACE SP0572	Cathodic Protection Requirements for Onshore Pipelines
NACE TM0190	Sacrificial Anode Fabrication Specification
NACE TM0284	Additional Requirements for Materials
NEMA 250	Axial and Centrifugal Compressors for Heavy Duty Services
NEMA 250	Temperature Instruments
NEMA 250	Process Control Systems
NEMA MG 1	Packaged Gas Turbines
NFPA 101	Shelters for Process Analysers
NFPA 101	Warehouse Building
NFPA 11	Atmospheric Storage Tanks
NFPA 1901	Centrifugal Fire Pumps
NFPA 20	Centrifugal Fire Pumps
NFPA 20	Internal Combustion Diesel Engines
NFPA 24	Permanent Operations Rotator Housing Community
NFPA 30	Warehouse Building
NFPA 30	Atmospheric Storage Tanks
NFPA 496	Plant Buildings for Operations
NFPA 496	Shelters for Process Analysers
NFPA 496	Axial and Centrifugal Compressors for Heavy Duty Services
NFPA 496	Process Control Systems
NFPA 59A	Instruments for Storage Tanks and Vessels
NFPA 70	Plant Buildings for Operations
NFPA 70	Packaged Gas Turbines
NFPA 70	Process Control Systems
NFPA 72	Packaged Gas Turbines
NFPA 750	Packaged Gas Turbines
NFPA 780	Upstream Fired Heaters - Design and Fabrication
NFPA 780	Permanent Operations Rotator Housing Community
NFPA 90A	Permanent Operations Rotator Housing Community
PFI ES-22	Upstream Positive Materials Identification
PNG Department of Works	Roads and Bridges
PNG Department of Works	Roads and Bridges
PNG Department of Works	Roads and Bridges
PNGS 1001: Part 3	Specification for Fences and Gates
RCF 4330	Upstream Equipment Health Management
RMA IP-3-3	Air-Cooled Heat Exchangers
RMA IP-3-3	Sizing of Drivers and Transmission for Compressors Fans and Pumps
SFS SFS-EN 60534-2-1	Control Valves
SIS 05 59 Sa2 1/2	Export Packing Requirements for Materials

Number	Description
SSPC - SP10	Internal Combustion Diesel Engines
SSPC PA 1	Thermal Arc Sprayed Metallic Coatings
SSPC PA 2	Thermal Arc Sprayed Metallic Coatings
SSPC SP 1	Thermal Arc Sprayed Metallic Coatings
SSPC SP 10	Thermal Arc Sprayed Metallic Coatings
SSPC SP 11	Thermal Arc Sprayed Metallic Coatings
SSPC SP 2	Thermal Arc Sprayed Metallic Coatings
SSPC SP 3	Thermal Arc Sprayed Metallic Coatings
SSPC SP 5	Thermal Arc Sprayed Metallic Coatings
SSPC SP 6	Volumetric Measurement of Natural Gas and Other Gases
STOOMWEZEN	Additional Requirements for Materials
TEMA Standards	Waste Heat Recovery Unit
WHO	Permanent Operations Rotator Housing Community
WRC BUL 107	Pressure Vessels
WRC BUL 297	Pressure Vessels
WSA 03	Permanent Operations Rotator Housing Community

Part 2

This list of industry standards is representative of the industry codes and standards to be used on the Oil Fields Associated Gas Facilities. As detailed design progresses, further codes and standards may be used.

Number	Description	
API RP 521	Guide for Pressure Relieving and Depressuring Systems. 5th Edition, September 2005	
0000-TS-L001	Piping General Specification	
0000-TS-L002	Piping Materials and Service Specification	
0000-TS-L003	Process Equipment Skids Piping Specification	
0000-TS-L005	Shop Piping Fabrication Specification	
0000-TS-L006	Ball Valves Specification	
0000-TS-L007	Gate, Globe, Butterfly and Needle Valves Specification	
0000-TS-L010	Installation of Shop and Field Fabricated Piping Specification	
PNGS 1001	Part 3 – Wind Loads	
PNGS 1001	Part 4- Seismic Loads (Seismic Zone 3)	
PNGS 1082	Health and Safety at Work Principles and Practices (as AS 1470)	
0000-TS-C050	Chevron Design Guide for Assessment of Seismic Loads Specification	
0000-TS-M002	Insulation	
0000-TS-M003	Protective Coatings	
0000-TS-M004	General Equipment Specification	
0000-TS-M006	Noise	
0000-TS-M008	Internals and Packing for Vessels Specification	
0000-TS-M011	Installation of Mechanical Equipment Specification	
0000-TS-M012	API Centrifugal Pumps Specification	
0000-TS-M013	Filter Separators Specification	
0000-TS-M014	Shaft Sealing Systems for Centrifugal and Rotary Pumps Specifications	
API 520	Recommended Practice for the Design and Installation of Pressure Relieving Devices for Refineries	
API 521	Guide for Pressure Relieving Systems and De-Pressuring Systems	
API 610	Centrifugal Pumps	
API 675	Positive Displacement Pumps (Controlled Volume)	
AS 1271	Safety Valves, Other Valves, Liquid Level Gauges and Other Fittings for Boilers and Unfired Pressure Vessels	
AS 1210_1970	Pressure Vessels (Including Amendments 1, 2 and 3) – Adopted as PNGS 1009	
ASME BPV-VIII Div 1_2007	Boiler and Pressure Vessel Code Division 1	
WRC 107_1979	Local Stresses in Spherical and Cylindrical Shells Due to External Loadings	
WRC 297_1987	Local Stresses in Cylindrical Shells due to External Loadings on Nozzles – Supplement to WRC Bulletin No. 107	
0000-TS-M001	Chevron Niugini Carbon Steels Vessels Specification	
0000-TS-M005	Shell and Tube Heat Exchangers	
AS 4458_1997	Pressure Equipment – Manufacture	
AS 3892_2001	Pressure Equipment – Installation	
AS 4037_1999	Pressure Equipment – Examination and Testing	

Number	Description
AS 3992_1998	Pressure Equipment – Welding and Brazing Qualifications
0000-TS-M001	Carbon Steel Vessel Specification
0000-TS-M005	Shell and Tube Heat Exchangers
AS 1210_1997	Pressure Vessels (Including Amendments 1, 2 and 3)
AS 3788_2006	Pressure Equipment in Service Inspection
0000-TS-J001	Instrumentation Installation
0000-TS-J003	Instrument Control Panels Specification
0000-TS-J004	Instrumentation of Packages, Plants or Utilised Mechanical Equipment
0000-TS-J005	On / Off Actuated Valves Specification
0000-TS-J006	Modulating Control Valves
0000-TS-J007	Relief Valves Specification
0000-TS-J011	Checkout and Commissioning Instrumentation
0000-TS-J012	Wellhead Control Panels Specification
0003-TS-J001	Agogo Production Facilities Monitoring and Control (MAC) System
0003-TS-J003	Flare Gas Header Flow Metering Equipment Specification
0003-TS-J004	Agogo Production Facilities Plant Safeguarding System (PSS)
0003-TS-J010	Fire Detection System Equipment Specification
0003-TS-P005	Impressed Current Cathodic Protection System Specification
PNGS 1000 (ISO 1000)	The International System of Units and its Application (SI Units)
PNGS 1001.1	General Design Requirements
PNGS 1008 (AS / NZS 1200)	Pressure Equipment
PNGS 1009 (AS 1210)	Rules for Unfired Pressure Vessels
PNGS 1011 (AS 1271)	Safety Valves, other valves, liquid level gauges and other fittings for boilers and unfired pressure vessels
PNGS 1012 (AS 1375)	Industrial fuel-fired appliances (known as the PNG Industrial Fuel-Fired Appliances Code)
PNGS 1022 (AS / NZS 3000)	The Electrical Installation – Buildings, Structures and Premises (known as the PNG Wiring Rules)
PNGS 1023 (AS / NZS 3100)	Approval and Test Specification – General Requirements for Electrical Equipment
PNGS 1024 (AS 1100)	Technical Drawings
PNGS 1086 (AS 1319)	Safety Signs for the Occupational Environment
PNGS 1212 (AS 1670)	Fire Detection, Warning, Control and Intercom Systems – System design, installation and commissioning
PNGS 1213 (AS 1603)	Automatic fire detection and alarm systems
PNGS 1288 (AS / NZS 1768)	Lightening Protection
PNGS 1458 (AS 1020)	The control of undesirable static electricity
PNGS 1499 (AS 3011)	Electrical Installations – Secondary batteries installed in buildings
PNGS 1561 (AS / NZS 2381)	Electrical equipment for explosive atmospheres – selection, installation and maintenance
PNGS 1657 (AS 1349)	Bourdon tube pressure and vacuum gauges
PNGS 9000 (ISO 9000)	Quality Management Systems
AS 1102	Graphic Symbols for Electro-Technology

Number	Description
AS 1376	Conversion Factors
AS 1470	Health and Safety at Work – Principles and Practices
AS 1939	Degrees of Protection Provided by Enclosures for Electrical Equipment (IP Code)
AS 2380	Electrical Equipment for Explosive Atmospheres – Explosion-Protection Devices
AS 2381	Electrical Equipment for Explosive Atmospheres – Selection, Installation and Maintenance
AS 2430	Classification of Hazardous Areas
AS 3008	Electrical Installations – Selection of Cables
AS 3892	Pressure Equipment – Installation
AS 4168	Programmable Controllers
AS 4382	Preparation of Function Charts for Control Systems
AS 4428	Fire Detection, Warning, Control and Intercom Systems
AS 61508	Functional Safety of Electrical / Electronic / Programmable Electronic Safety-Related Systems (IEC 61508)
AS 61511	Functional Safety – Safety Instrumented Systems for the Process Industry Sector (IEC 61511)
AS 61882	Hazard and Operability Studies – Application Guide (IEC 61882)
ISA S75.01	Control Valve Sizing Equations
ISA S75.02	Control Valve Capacity Test Procedure
ISA S75.04	Face to Face Dimensions of Flangeless Control Valves
PTC 19.3	ASME / ANSI Thermowell Strength Correlation (Wake Frequency Calculation)
PTC 19.3	ASME PTC 19.3 - Part 3: Temperature Measurement Instruments and Apparatus
0000-TS-G001	Specification for Electrical Requirements of Packaged Plant of Unitised Mechanical Equipment
0000-TS-G002	Specification for Electrical AS Motors 335 kW and Smaller
0000-TS-G003	Specification for Labels and Name Plates for Electrical Equipment
0000-TS-G004	Low Voltage Switchgear Specification
0000-TS-G005	Light and Power Distribution Boards Specification
0000-TS-G006	Emergency Generators Specification
0000-TS-G007	Oil Filled Power Transformers Specification
0000-TS-G008	Specification for the Installation of Electrical Equipment
0000-TS-G012	Lighting Columns Specification
0000-TS-G014	Lighting Specification
0000-TS-G017	Automatic Transfer Switch Specification
0000-TS-G018	DC Supply Unit Specification
0000-TS-G019	Low Voltage Electronic Soft Starters Technical Specification
0000-TS-G020	Electrical Heat Tracing Systems Technical Specification
0000-TS-G021	Inspection and testing of Electrical Installations
0003-TS-G001	Operation of Electrical Distribution and Generation System
0003-TS-G002	Diesel Generator Control System Specification
PNGS 1000 (ISO 1000)	The International System of Units and its Application (SI Units)
PNGS 1001.1	General Design Requirements
	· ·

Number	Description
PNGS 1001.2	Dead and Live Loads
PNGS 1022 (AS / NZS 3000)	The Electrical Installation – Buildings, Structures and Premises (known as PNG Wiring Rules)
PNGS 1023 (AS / NZS 3100)	Approval and Test Specification – General Requirements for Electrical Equipment
PNGS 1024 (AS 1100)	Technical Drawings
PNGS 1086 (AS 1319)	Safety Signs for the Occupational Environment
PNGS 1193 (AS / NZS 2293)	Emergency Evacuation Lighting for Buildings
PNGS 1288 (AS / NZS 1768)	Lightning Protection
PNGS 1458 (AS 1020)	The Control of Undesirable Static Electricity
PNGS 1499 (AS 3011)	Electrical Installations – Secondary Batteries Installed in Buildings
PNGS 1561 (AS / NZS 2381)	Electrical Equipment for Explosive Atmospheres – Selection, Installation and Maintenance
PNGS 9000 (ISO 9000)	Quality Management Systems
AS 1102:	Graphic Symbols for Electro-technology
AS 1243:	Voltage Transformers for Measurement and Protection
AS 1359:	Rotating Electrical Machines – General Requirements
AS 1376:	Conversion Factors
AS 1470:	Health and Safety at Work – Principles and Practices
AS 1675:	Current Transformers – Measurement and Protection
AS 1767:	Insulating Oil for Transformers and Switchgears
AS 1864:	High Voltage Alternating Current Contactors
AS 1939:	Degrees of Protection Provided by Enclosures for Electrical Equipment (IP Code)
AS 2374:	Power Transformers – General
AS 2380:	Electrical Equipment for Explosive Atmospheres – Explosion-protection Devices
AS 2381:	Electrical Equipment for Explosive Atmospheres – Selection, Installation and Maintenance
AS 2430	Classification of Hazardous Areas
AS 3008:	Electrical Installations – Selection of Cables
AS 3439:	Low Voltage Switchgear and Control Gear Assemblies
AS 4168:	Programmable Controllers
AS 61882:	Hazard and Operability Studies – Application Guide (IEC 61882)
PNGS 1001	Part 3 – Wind Loads
PNGS 1001	Part 4 – Seismic Loads (Seismic Zone 3)
AS 1170	Minimum Design Loads on Structures
	Part 0: General Principles
	Part 1: Permanent, Imposed and Other Actions
	Part 2: Wind Actions
	Part 4: Earthquake Actions
AS 1418	Cranes
	Part 1: General Requirements
	Part 2: Serial Hoists and Winches
	Part 3: Bridge, Gantry and Portal Cranes

Number	Description
AS 4600	Cold-Formed Steel Structures
AS 1554	Structural Steel Welding
AS 1657	Fixed Platforms, Walkways, Stairways and Ladders – Design, Construction and Installation
AS 1664	Aluminium Structures Code
AS 1665	Welding of Aluminium Structures
AS 1940	The Storage and Handling of Flammable and Combustible Liquids
AS 2159	Piling – Design and Installation
AS 2312	Guide to the Protection of Iron and Steel Against Exterior Atmospheric Corrosion
AS 2870	Residential Slabs and Footings
AS 3500	National Plumbing and Drainage Code
AS 3600	Concrete Structures
AS 3610	Formwork for Concrete
AS 3700	Masonry Code
AS 3735	Concrete Structures for Retaining Liquids
AS 3774	Loads on Bulk Solids Containers
AS 3780	Storage of Hazardous Chemical Materials
AS 3798	Guidelines on Earthworks for Commercial and Residential Developments
AS 4100	Steel Structures
ASME B31.3_2006	Chemical Plant and Petroleum Refinery Piping
AS 2885.1_2007	Pipelines Gas and Liquid Petroleum
	Part 1 – Design and Construction (2007)
	Part 2 – Welding (2007)
	Part 3 – Operations and Maintenance (2001)
	Part 5 – Field Pressure Testing (2002)
API Spec 6D	Valves
ASME B16.9	Fittings
MSS SP45	Fittings
ASME B16.5	Flanges (where available – for large diameter, high pressure flanges, proprietary compact flanges will be considered)
Requirements of the Civil Aviation Authority of Papua New Guinea	Aviation
The International Civil Aviation Organization (ICAO) Annex 14.	Aviation
ExxonMobil Aviation Operations Guide.	Aviation

Part 3

The following list shows the ExxonMobil corporate specifications that will be applied to the project.

ExxonMobil Specification
Wharves and Associated Marine Works
Operating Practices for Production Systems
Hydrate Management in Production Systems
Alloy Verification
Post-weld Heat Treatment
Equipment and Piping Corrosion Monitoring Guidelines
Pressure Casting Quality and Inspection
Additional Requirements for Materials
Specification for Hot-dip Galvanizing
Jpstream Positive Materials Identification
Jpstream Duplex Stainless Steel Requirements
Jpstream Material Integrity Report Requirements
Jpstream Material Identification and Traceability
Jpstream Welding Procedure Specification - General Requirements for Process Piping and Pressure Vessels
Jpstream Process Piping Welding and Inspection
Jpstream Pressure Vessel Welding and Inspection
Pre Commissioning Cleaning of Piping Systems for Rotating Equipment
Vater Treatment - Chemical Feed Equipment
Diesel Systems
Fuel Gas Systems
Heat Tracing
Health Inspection Guidelines
Narine Project Design Basis
Specification for Marine Fender System
Specification for Quick Release Mooring Hooks and Marine Monitoring System
Specification for Dredging and Disposal
Specification for Gangway
Specification for Navigation Aids
Specification for Impressed Current Cathodic Protection System
Specification for Piled Foundations
Specification for Steel Work
Specification for Laser Docking and Drift Warning System
Specification for Causeway Erosion Protection
Specification for Painting and Protective Coatings
General Requirements for Marine Operations
Marine Transportation

ExxonMobil Specification
Lifting From Floating Vessels
nspection and Audit of Marine Vessels
Anchor Handling
Diving Operations
Equipment Lifts
Construction Plan for Temporary Facilities
Neight Estimating, Reporting and Weighing
Transport, Rigging and Erection of Equipment and Vessels
Automated Ultrasonic Testing (AUT) Qualification Requirements
Shore Approach Construction
Offshore Pipeline Filling, Cleaning, Gauging, Hydrotesting and Drying
Rock Material Supply and Placement
Jpstream Thermal Insulation
Zinc Attack Protection
Closed Cooling Water Systems for Internal Combustion Engines and Reciprocating Compressors
Centrifugal Pumps
Shaft Sealing Systems for Centrifugal and Rotary Pumps
Centrifugal Pumps for Non-hydrocarbon General Plant Service
Positive Displacement Pumps - Rotary
Positive Displacement Pumps - Controlled Volume
Centrifugal Fire Pumps
Jpstream Positive Displacement Pumps - Reciprocating
Axial and Centrifugal Compressors and Expander - Compressors
Rotary Screw Compressors
Reciprocating Process Compressors
Packaged Gas Turbines
Cold Gas Turbo Expanders Packages
Special Purpose Gear Units
General Purpose Gear Units
Sizing of Drivers and Transmission for Compressors, Fans and Pumps
/ibration Axial Position and Bearing Temperature Monitoring Systems for Compressors and Drivers
nternal Combustion Diesel Engines
Natural Gas Engines
Centrifugal Axial Compressors for Heavy Duty Services
Packaged, Integral Geared Centrifugal Plant and Instrument Air Compressors
Cryogenic Submerged Motor Pumps
Centrifugal Pumps for General Purpose Services

ExxonMobil Specification
Vertical Pumps for General Services
Centrifugal Fans
Special Purpose Couplings for Process Service
Marine Loading Arms
Supplier Drawings and Data Requirements for Rotating, Special, Utility and Solids Processing Equipment
General Requirements Installation, Maintenance and Operating Manuals for Equipment
Spare Part List and Interchangeability Record
Requirements for Complication of Manufacturer's Data Report (MDR)
Supplier Installation Requirements for Rotating and Packaged Equipment
Upstream Packaged Units - General Requirements
Overhead Cranes - General Requirements
Instrument and Utility Air Compressors
Compressed Air Systems
Upstream Systems Completion Management Database Requirements
Systems Completion
General Operability Requirements
Operations Maintenance and Reliability Program Requirements
Operational Spare Parts Management
Maintenance Procedure Requirements
Computerized Maintenance Management System (CMMS) Data Preparation
Operating Procedure Requirements
Operations Training and Competency Evaluation Requirements
Procedure for Long-Term Tropical Preservation of Operational Spares
Preservation and Protection During Shipping and Construction
Export Packing Requirements for Materials
Transport of Heavy Loads
Area Classification and Related Electrical Design for Flammable Liquids Gases Or Vapour
Protection of Electrical Equipment in Contaminated Environments
Power System Design
ECMS
Wiring Methods and Material Selection
Earthing and Over-voltage Protection
Lighting
Security Lighting of Plants
Substation Layout
Motor Application
Instrument and Essential Services Power Supplies
Electrical - AC Uninterruptible Power Supply (UPS) System

ExxonMobil Specification	
Low Voltage AC Motors	
High Voltage AC Motors	
Synchronous Generators	
Power Transformers	
Neutral Earthing Resistors	
Secondary Selective Substations with Residual Voltage Based Automatic Transfer	
Field Installation and Testing of Electrical Equipment	
Standard LV Variable Frequency Drives	
Engineered Variable Frequency Drive Systems	
Electrical - Engine Generator Packaging	
Electrical - Engine - Generator Control Panels	
Generator Sizing Criteria	
Electrical - Electrical Heat Tracing	
nstrumentation, Lighting and Power Distribution Panels	
_V Motor Control Centres	
Electrical - Packaged Equipment	
High Voltage Switchgear	
Specification for Local Equipment Rooms and Motor Control Centre Transportable Buildings	
Low Voltage Cable	
Nedium Voltage Power Cable Rated 1 kV Through 36 kV	
General Technical Requirements for High Voltage Equipment Installation	
36 kV SF6 Gas Insulated Switchgear 72.5 kV SF6 Gas Insulated Switchgear	
Netal Enclosed Bus Duct Rated 600 V Through 15 kV	
Battery Banks and Battery Chargers	
Specification for Electrical Requirement for Buildings	
Electrical Design Criteria	
Skirt Heating System of Cryogenic Liquefaction Equipment	
Cathodic Protection Specification	
Cathodic Protection of Above Ground Storage Tanks	
Annunciators for Electrical Substations	
NG Tank Under-Heater	
Cathodic Protection for Vessel and Tank Internals	
Heat Tracing	
Cathodic Protection for Tank Bottoms and Underground Piping	
Cathodic Protection Requirements for Onshore Pipelines	
Cathodic Protection Unit for Onshore Pipelines	
Suction Discharge and Interstage Piping for Reciprocating Compressors	
Strainers for Mechanical Equipment	

ExxonMobil Specification
Piping Layout, Supports, and Flexibility
Expansion Joints
General Requirements for Valves
Piping Fabrication Shop or Field
Jpstream Piping Classification - Line Class Atmospheric and 125
Jpstream Piping Classification - Line Class 150
Jpstream Piping Classification - Line Class 300
Jpstream Piping Classification - Line Class 600
Jpstream Piping Classification - Line Class 900
Jpstream Piping Classification - Line Class 1500
Jpstream Piping Classification - Line Class 2500
Jpstream Piping Classifications - Valve Indices and Descriptions
iberglass Pipe Systems for Low Pressure
iberglass Pipe Systems for High Pressure
ndex of Piping Material Classes (IOPMC)
est Requirements for Valves in Cryogenic Service
Dnshore Pipeline Design
Jpstream Pipeline Fittings and Flanges Onshore
Jpstream Onshore Seamless Liquid Pipeline Material
Jpstream Onshore Pipeline Welding and Inspection
Velding Qualification Requirements for Pipelines in High Strain Application
Electrodeless Nickel Plating (ENP) Requirements
Jpstream Piping Classification - Line Class API 5000
Jpstream Piping Classification Line Class API 10000
Jpstream Induction Bending of Pipe
Jpstream Cold Bending of Pipe
Onshore Submerged-Arc Welded Pipe Longitudinal Seam (SAWL)
RW Line Pipe for High Strain Applications
SAW Line Pipe for High Strain Applications
ligh Frequency (Electric) Welded (HFW) Pipe
lechanical Protection Coating for Onshore Pipelines
Jpstream Piping Fabrication, Erection, Inspection and Testing
Jpstream Piping Component Selection and System Design
Suction and Discharge Piping for Centrifugal Pumps
Piping for Fired Equipment
Iushing and Drain Piping for Centrifugal and Rotary Gas Compressors
EMA Type Shell-and-Tube Heat Exchangers
Brazed Aluminum Heat Exchangers
Nir-Cooled Heat Exchangers

ExxonMobil Specification
Hairpin Heat Exchangers
Plate Heat Exchangers
Main Cryogenic Heat Exchanger
LNG Subcooler
Fire Protection - Storage Tanks
Upstream Fireproofing
Pressure Relief, Flare, and Vapour Disposal Systems for Upstream Facilities
Firewater Systems and Devices for Upstream Facilities
Fire and Gas Detector Layout for Upstream Facilities
Portable Fire Extinguisher and Fire Blankets for Upstream Facilities
Upstream Human Factors
Loss Prevention for Upstream Onshore Production Facilities
Elastomer and Thermoplastic Selection Guidelines for Oil and Gas Production
Operations Data Surveillance System
Supplier Documents Requirements List - Master Listing
Inspection of Equipment and Materials
Upstream Qualification of Manufacturers of Corrosion Resistant Material
Camp Expansions
EMDC Health Design Specifications for Projects
Plant Buildings for Operations
Blast-resistant Buildings
Shelters for Process Analysers
Warehouse Buildings
Heating, Ventilation, Air Conditioning (HVAC) Systems
Operations Camps
Solid Desiccant Dehydration Units
Pigging Systems
Hot Tapping
Sewer Systems
Pressure Relieving System
Fill and Discharge Lines and Auxiliary Piping for Storage Tanks and Vessels
Piping at Control and Protective System Valve Stations
Utility Connections to Piping and Equipment
Vents and Drains, Flushing and Cleaning Connections
Pressure Relief Valves
Piping for Instruments
Piping Assembly, Testing, Flushing and Cleaning
Upstream Use of Laser Scanning to Capture Existing Facility Conditions
Reinforced Concrete Foundations, Anchor Bolts and Grout

ExxonMobil Specification	
Supporting Structures and Foundations for Heavy Machinery	
Grouting for Machinery and Structural Steelwork	
Dynamic Vibration Limits for Foundations and Structures Supporting Centrifugal, Rotary and Reciprocating Machines	
Design Loads for Structures	
Specification for Concrete	
Specification for Steelwork	
Specification for Piled Foundations	
nstallation of Gabions and Reno Mattresses	
Blasting for Excavations	
Roads and Bridges	
Retaining Wall Design Specification - CGCP	
nstallation of Corrugated Steel Drainage Structures and Protection Works	
Detailed Earthworks and Trenching	
Site Preparation and Earthworks	
Explanation and use of Upstream Global Practices	
Jpstream CAD Requirements - Drawings, Data and System	
Numbering System for Project Documents	
dentification of Equipment Component and Devices Lines and Valves	
Jpstream Simulation Standards	
Jnits of Measurement	
Jpstream Project Technical Documentation Requirements and Deliverables	
Dil and Gas Separators	
Jpstream Information Management Process	
Project Painting Requirements	
Jpstream Vessel and Tank Lining	
Sacrificial Anode Fabrication Specification	
Corrosion Protection - FBE Field Joint Coating for Pipelines	
Fluoropolymer Coatings for Fasteners	
Jpstream Coating of Pipeline Field Joints, Bends and Fittings	
Rock Shield Coating for Onshore Pipelines	
Downstream Quality Programs	
Jpstream Project Quality Assurance - General Requirements	
Jpstream Structured Cabling System	
RF Cabling	
Computing and Telecommunications Rooms	
Radiation Hazard Assessment and Control for Telecommunication Systems	
Public Address / General Alarm System with Page/Party Optional	
Ship-to-Shore Link System	

ExxonMobil Specification	
Non-Directional Beacon (NDB)	
Facility Security Systems	
Closed Circuit Television (CCTV)	
Microwave and Radio Data Links	
Very Small Aperture Terminal (VSAT)	
Two-Way Radio Systems	
Communications Tower	
Audio/Video Entertainment System	
Private Automatic Branch Exchange (PABX)	
Meteorological Weather Station	
Berthing Aid	
Auxiliary Structures for Operations and Maintenance	
Pipe Supports	
Plant Infrastructure	
Recommended Spacing within Operating Facilities	
Specification for Fences and Gates	
Helicopter Landing Sites	
Pressure Vessels	
Additional Requirements for Special Criteria Pressure Vessels	
Internals for Towers, Drums, and Fixed Bed Reactors	
Pressure Testing of Unfired Pressure Vessels	
Single Containment LNG Storage Tanks	
Tank Hydroloading Procedure	
9% Nickel (9Ni) Plate Materials for the LNG Industry	
Fabrication, Welding and Inspection of 9% Nickel Materials	
Qualification Requirements for Automated Ultrasonic Test of LNG Tank Welds	
Weld Inspection of Large LNG Storage Tanks	
Atmospheric Storage Tanks	
Existing Surface Storage Tank Inspection, Repair, Modification and Testing	
Austenitic Stainless Steel Clad Carbon Steel Pressure Vessels and Heat Exchangers	
Noise Control	
Manual Sampling Systems	
Instrumentation for Fired Heaters	
Instrumentation for Compressors and Drivers	
Instruments for Storage Tanks and Vessels	
Temperature Instruments	
Pressure Instruments	
Flow Instruments (Orifice Plates and Variable Area Flow Meters)	
Production Metering	

ExxonMobil Specification	
Production Allocation Systems	
Custody Transfer of Petroleum Liquids	
Level Instruments	
Electronic and Pneumatic Instruments	
Environmental Protection for Instrumentation	
Programmable Logic Controllers Specification	
Electric Power Branch Circuit Design for Instrumentation	
Protective Systems	
HIPPS	
Alarm System Specification	
Jpstream Alarm Management	
Process Analysers	
Sample Transport and Sample Conditioning Systems for Process Stream Analysers	
Fire and Gas Detection Systems	
Control Valves	
Electric Motor Operators for Valves	
Actuators for ON/OFF Valves	
nstrument Transmission Systems	
Field bus and Control Networks	
nstrument Control Panels	
Control Centres	
Process Control Systems	
SPI Intools for Project Use	
Requirements of Control Systems for Third-Party Equipment Packages	
Control Systems and Equipment Management System Security Implementation	
nstrument Wire and Cable	
Nellhead Shutdown and Hydraulic Control Panels	
Jpstream Control Systems for Package Turbo-Machinery	
Jpstream Equipment Health Management	
nstrumentation Asset Management Systems	
nspection, Testing, Calibration and Pre-Commissioning of Instrumentation	
Packaged Unit Instrumentation	
System Security	
Testing of Control Valves in Cryogenic Service	
CSS Packaged Controller Interface	
CSS HMI Graphic Standard	
CSS PCS and Sis Control Loop Standards	
/olumetric Measurement of Natural Gas and Other Gases	
Steel Stacks	

ExxonMobil Specification
Upstream Fired Heaters - Design and Fabrication
Burners for Fired Heaters
Waste Heat Recovery Units
Individual Specification for Elevated Flare Stacks
Corrosion Protection - Fusion Bonded Epoxy Coating for Offshore Pipelines
Upstream Shallow Water Pipeline Materials, Gas - Sweet Service (SAWL)
Upstream Cathodic Protection for Offshore Pipelines
Corrosion Protection - Three Layer Coatings for Pipelines
Onshore Pipeline Installation
Onshore Pipeline Land and Route Survey
Pipeline Corrosion Protection
System Gauging, Hydrotesting and Disposal
Drying and Purging
Pipeline Seabed Intervention, Trenching, Dredging and Backfilling
Directional Boring
Upstream Offshore Pipeline Welding and NDT Specifications
Handling, Transportation, Storage and Repair of Line Pipe
Internal Coating of Live Pipe
Concrete Mattress and Grout Bag Supply and Installation
Offshore Pipeline Design
Offshore Pipeline Weight Coating and Anode Installation Specification
Shallow Water Pipeline Construction and Installation
Offshore Pipeline Surveying
Pipeline Seismic Design

Coffey Natural Systems Attachment_3_Rev0_v3.doc 52