

 ISOICO	 PETROPARS	SOUTH PARS GAS FIELD DEVELOPMENT PHASE 11 EPCI Contract for Topside, Ancillaries and Tripods (SP11A)	 N.I.O.C. Pars Oil & Gas Company
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Applicable Codes & Standards

							
D1	Approved for Construction	11.Mar.2024	M.Alinejad	Gh.Haghighattalab	F.Shamasblou	K. Mehrdadi	
D0	Issued for Review	23 Dec 2023	M.Alinejad	Gh.Haghighattalab	F.Shamasblou	K. Mehrdadi	
Rev.	Purpose of Issue	Date	Prep'd	Check'd	App'd	App'd	Company Approval
			ENGINEER			Contractor	

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TABULATION OF REVISED PAGES

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	D0	D1	D2	D3	D4	D5
1	x					
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Appendices

Appendix A Applicable TOTAL General Specifications

		SOUTH PARS GAS FIELD DEVELOPMENT PHASE 11 EPCI Contract for Topsides, Ancillaries and Tripods (SP11A)	
			
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1. INTRODUCTION

1.1 General

The South Pars field is located in the Persian Gulf approximately 130 km South West of Assaluyeh and 175km West of Kish Island. The South Pars Phase 11 development facilities comprise 2 wellhead platforms named SP11A and SP11B and located around 70m water depth, two 32" sea lines associated with their 4" piggy-back returned lines, exporting the gas to the existing onshore plants. The Phase 11 development of the South Pars gas field (SP11A and SP11B) is designed for a production of 2000 MMSCFD of reservoir fluid (1000 MMSCFD for each SP11A and SP11B).

The development of SP11A is based on new 15 slots Wellhead platform and sea-line. The sea-line from SP11A Wellhead Platform (SPD11A) will send SP11A production to SP12 onshore facilities in TOMBAK via the 32" sea line. When the field starts to be depleted, a compression phase will be implemented (out of Project SOW).

In addition to the wellhead platform (SPD), a Relief platform (RP), equipped with a vertical Flare, will be connected by 2 bridges (BR1 & BR2) to the SP11A platform for personnel access. One Bridge Support Platform (BSP), supports the two bridges that allow access from SPD to RP. Typically, The SP11A Platform consists of:

1. The wellhead platform dedicated to drilling with a jack-up rig. [SPD]
2. The Relief platform, which is equipped with a vertical Flare. [RP]
3. The Bridge Support Platform [BSP]
4. The two Bridges, which connect SPD to RP through BSP [BR1, BR2]

Iran Shipbuilding & Offshore Industries Complex Co. known as ISOICO (CONTRACTOR) has been awarded to conduct and to perform the Engineering, Procurement, Supply, Fabrication, Construction, Load Out, Sea Fastening, Transportation and Installation of the SP11A Wellhead topside, ancillaries and Tripods and the commissioning of installed equipment on it, hereinafter referred to as "Project".

Scope of SLT International (ENGINEER) involvement in the Project is detail design engineering and procurement engineering services.

1.2 Purpose of the Document

The objective of this document is to list TOTAL General Specifications applicable to the Project.

Basic engineering phase of the Project was based on 2005 set of TOTAL General specifications and the general approach in basic engineering update in 2016 was to re-use as much as practicable the 2005 version of the GS referential.

Due to some change in the Project's basis of design, evolution of a particular safety [requirement](#) and design improvement, some features of 2015/2016 have been introduced in basic design documents. The document presented in Appendix A displays the revision status of TOTAL General Specifications based upon which the basic design dossier was prepared.

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In the detailed engineering phase of the Project, the same approach is taken and the revision status list of TOTAL General Specification given in the document presented in Appendix A will be governing the project engineering and construction works.

Any deviation from the design standard list as listed in the attachment, will be permitted if and only if written approval is taken from Company via technical query (TQ).

1.3 Key Definitions

Owner	National Iranian Oil Company (NIOC) Pars Oil and Gas Company (POGC)
Company	Petropars Ltd. (PPL)
Contractor	Iran Shipbuilding & Offshore Industries Complex Co. (ISOICO)
ENGINEER	SLT International;

1.4 Abbreviations

NIOC	National Iranian Oil Company;
POGC	Pars Oil & Gas Company;
PPL	Petro Pars Ltd.;
ISOICO	Iran Shipbuilding & Offshore Industries Complex Co;
SLT	SLT International;
AFC	Approved For Construction;
CA	Certifying Authority;
CRS	Comment Response Sheet;
IDC	Inter Discipline Check;
IFA	Issued For Approval;
IFR	Issued For Review;
DC	Document Controller;
EM	Engineering Manager;
EDMS	Engineering Document Management System;
LE	Lead Engineer;
PM	Project Manager;
QA	Quality Assurance;
SOW	Scope Of Work;
TBA	To Be Advised;
TBC	To Be Confirmed;

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WHP

Well Head Platform;

1.5 References

The following listed documents are considered as references for preparation of this document.

1.5.1 Project References

[1] Review of Critical Difference Between Requirements of 2005 Deliverables and 2016 General Specifications

Doc. No. IR-S11-00-BEUD-105004

[2] List of COMPANY General Specifications applicable to EPC Call for Tenders

Doc. No.: IR-S11-00-BEUD-010003

[3] TOTAL General Specifications (GS) Edition 2016

		SOUTH PARS GAS FIELD DEVELOPMENT PHASE 11 EPCI Contract for Topside, Ancillaries and Tripods (SP11A)	
			
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2. FACILITY DESCRIPTION

The SP11A gas field shall be developed to produce 1000 MMSCFD reservoir fluid to supply gas to Tombak (SP 12 part) with a 32" export pipeline.

The SPD11A wellhead platform consist of a four-legged jacket substructure and a topside consist of a truss-framed structure. Facilities to be designed during the engineering phase are as follows.

2.1 Jacket Tripods

Tripods facilities to be installed at SP11A location are as follows:

- Tripod support structure for Bridge Support Platform, including piling (BSP11A);
- Tripod support structure for Flare Support Platform, including piling (RP11A);

2.2 Topside and ancillaries

A brief description of topside facilities to be installation at SPD11A location is as follows:

- 1) One WHP (SPD11A) with 15 slots; with below main equipment:
 - Well Heads;
 - Production/Test manifold;
 - Test separator;
 - Export metering system;
 - Scraper launcher;
 - HP relief KO drum;
 - Closed drain/LP flare drum;
 - Open drain system;
- 2) Associated utilities (Diesel, MEG, Methanol, KHI, Chemicals, Nitrogen, Fresh Water);
- 3) One Relief Platform (RP), including deck and flare tower, installed on the RP11A being connected by bridge to BSP11A;
- 4) One Deck installed on the BSP11A, being connected by bridges to the wellhead platform and RP11A;
- 5) Two bridges connecting SPD11A to BSP11A and BSP to RP11A;

2.3 Onshore Facilities

An Onshore Facility after sealine onshore tie-in that includes:

- Valve station;
- Pig Receiver;
- Onshore pipeline to Phase 12 Plant;
- ICSS and Telecommunication

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3. APPLICABLE CODES AND STANDARDS

As explained in Section 1.2, the applicable TOTAL General Specifications is listed in Appendix A.

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Appendices

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Appendix A **Applicable TOTAL General Specifications**

SOUTH PARS FIELD DEVELOPMENT PHASE 11 - HP MODE

BASIC ENGINEERING UPDATE

List of COMPANY General Specifications applicable to EPC Call for Tenders

02	03-Aug-17	CPe	Approved for Design	EB	EB		
01	21-Jun-17	CPe	Approved for Design	VFo	EB		
00	17-Mar-17	VFo	Issued for Review	EB	EB		
Revision	Date	By	Description	Checked	Approved	Spec.	Resp.
				ENGINEER approval		COMPANY approval	
			SOUTH PARS FIELD DEVELOPMENT PHASE 11 – HP MODE BASIC ENGINEERING UPDATE				 N.I.O.C. Pars Oil & Gas Company
STATUS CODE : IFR = Issued for Review - IFA = Issued for Approval - AFD = Approved							
This document is the property of COMPANY. It must not be stored, reproduced or disclosed to others without written authorisation from the COMPANY.							
Discipline:	PJM	Doc Type	LIS	Syst./S-Syst : NN	E-file : ir-s11-00-beud-010003_rev02 - list of cpy gs applicable to epc contracts.docx		Status
Country	Field		Zone	Originator	Sequential No.		
I	R	S	1	1	0	0	AFD
			0	0	B	E	
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SOUTH PARS FIELD PHASE 11 BASIC ENGINEERING UPDATE	Document number	Discipline	Rev./ Status	Date	Page
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List of COMPANY General Specifications applicable to EPC Call for Tenders	IR-S11-00-BEUD-010003	PJM	02/AFD	03-Aug-17	3/6

1. INTRODUCTION

The South Pars field is located in the Persian Gulf approximately 130 km South West of Assaluyeh and 175km W of Kish Island.

The South Pars Phase 11 HP mode development facilities comprise 2 wellhead platforms located around 70m water depth, two 32" sea lines associated with their 4 ½ piggy-back returned lines, one exporting the raw gas-to the existing onshore plant of Tombak (SP 12 part) and the second one to existing onshore plant of Assaluyeh (SP 6-7-8 part).

The Phase 11 HP mode development is a complete offshore green-field development with onshore tie backs on existing plants operated by others. The architecture of the offshore facilities is based on a "wet" scheme, which consists in sending the well effluents to shore in a multiphase flow. The gas will then be treated by existing onshore gas plants. Later on, when the field starts to be depleted, a compression phase will be implemented.

All the offshore necessary utilities will be generated and/or provided on-site except MEG/MDEA supplied from the onshore plants.

The Phase 11 HP mode development of the South Pars gas field is designed for a production of 2000 MMSCFD of reservoir fluid (average daily rate: 1860 MMSCFD) to supply gas to Tombak (1000 MMSCFD) and Assaluyeh (1000 MMSCFD).

2. SCOPE AND PURPOSE

The objective of this document is to list the COMPANY General Specifications applicable to the EPC call for tenders that will be issued for the development of the South Pars Phase 11 HP mode offshore facilities.

The South Pars Phase 11 Basic Engineering Update is carried out re-using as much as possible the basic engineering dossier prepared in 2005-2006.

This dossier was based on the 2005 set of COMPANY General Specifications, and the general approach in 2016 is to re-use as much as practicable the 2005 version of the GS referential.

Nevertheless, when preparing the update of the 2005/2006 documentation, ENGINEER has performed a gap analysis between the requirements of the documents (...) issued by ENGINEER in 2005/2006 and the applicable TOTAL General Specifications edition 2016 to identify *critical* differences. (see ref [1])

As a result, some features from the current (2016) version of the referential have been introduced in the design. This may be because of:

- a change in the project's basis of design (input data),
- an evolution of a particular safety requirement that should be reflected in the current design, or
- a significant evolution of the GS allowing to significantly improve the design.

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To maintain as much consistency as possible, the approach has been to validate the use of some aspects of the 2016 referential via Technical Engineering Queries (TEQ). These TEQs are referenced in the following tables, whenever applicable.

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3. DEFINITIONS AND ABBREVIATIONS

3.1 Definitions

COMPANY TOTAL E&P SOUTH PARS SAS

3.2 Abbreviations

CFT Call For Tender
EPC Engineering, Procurement and Construction
GS General Specification
NR Not Referenced
TEQ Technical Engineering Query

4. REFERENCE DOCUMENTS

4.1 Applicable Codes and Standards

All work specified shall be in accordance with all applicable sections of the latest edition of the Standards, Professional Documents, Regulations and Codes (and their current amendments) listed below and in the applicable TOTAL General Specifications, and shall form an integral part of this project.

4.2 Local Regulations

When more stringent, Iranian regulations and laws shall have precedence over this specification, the following project specifications and codes and standards.

4.3 Project Documents

[1] IR-S11-00-BEUD-105004 Review of Critical Difference Between Requirements of 2005 Deliverables and 2016 General Specifications

4.4 COMPANY General Specifications

Refer to section 6.

Note: Whenever the terms “2005 GS” (resp. “2016 GS”) are used, they mean “the GS from the 2005 referential” (resp. “2016 referential”).

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5. NOTES

The attached list of GS is presented under the following table format:

A	B	C	D	E	F
GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Technical Query
--	--	--	--	--	--
--	--	--	--	--	--

Column A: GS reference number. Note: "EP" is indicated in the GS reference, even if the GS dates back from 2005.

Column B: GS title

Column C: For info, "X" if the version from the 2005 referential is used

Column D: For info, "X" if the version from the 2016 or other referential is used

Column E: "RR" revision of the GS used. NR is indicated if the GS is not referenced in the project documents

Column F: Reference of the technical query issued to validate that the 2016 GS (or part of) can be used to amend or complete the 2005 GS when applicable.

6. LIST OF COMPANY GS APPLICABLE TO EPC CALL FOR TENDERS

DISCIPLINE: CIV

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSC1 Jacket CFT	EPSC2 Topsides CFT	EPSC3 Pipeline CFT	I1 Installation CFT
GS (EP) CIV 101	General earthworks		X	07	May-15				X	
GS (EP) CIV 102	Dredging and Reclamation Works	X		02					X	
GS (EP) CIV 103	Fences	X		01					X	
GS (EP) CIV 201	Design and construction of roads and stabilized areas	X		01					X	
GS (EP) CIV 202	Drainage and underground networks	X		01					X	
GS (EP) CIV 300	Reinforced and prestressed concrete		X	07	May-15				X	
GS (EP) CIV 301	Design of reinforced and prestressed concrete		X	07	May-15				X	
GS (EP) CIV 401	Minimum requirements for building design and construction	X		02					X	
GS (EP) CIV 403	Temporary construction camps and associated facilities (onshore)		X	04	May-15				X	
GS (EP) CIV 405	Plumbing and sanitary for onshore and offshore installations	X		01				X		
GS (EP) CIV 406	Thermal and acoustic insulation	X		01				X		
GS (EP) CIV 500	Special foundations for onshore structures		X	06	Oct-15				X	
GS (EP) CIV 501	Execution of Dredging and Rock Dumping Works		X	00	Oct-16				X	

DISCIPLINE: COR

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EP5CT1 Jacket CFT	EP5CCT2 Topsides CFT	EP5CIC3 Pipeline CFT	I1 Installation CFT
GS (EP) COR 100	Cathodic protection of offshore structures	X		02		TEQ-00018: - Use current densities as per GS (EP) COR 100 rev02 - Use CBF in the buried section as per GS (EP) COR 100 rev12 - Use anodes electro-chemical properties as per GS (EP) COR 100 rev12	X	X	X	
GS (EP) COR 101	Internal cathodic protection of equipment and storage tanks		X	11	Oct-15	TEQ-000022: COMPANY confirms that rev11 shall be used.		X		
GS (EP) COR 102	Design of cathodic protection of submarine pipelines by galvanic anodes	X		02					X	
GS (EP) COR 110	External cathodic protection of onshore structures	X		03					X	
GS (EP) COR 111	External cathodic protection of onshore facilities	X		03					X	
GS (EP) COR 161	Internal corrosion and erosion-corrosion monitoring: Design and installation		X	08	Oct-15			X		
GS (EP) COR 162	Internal corrosion control in petroleum production installations	X		03				X		
GS (EP) COR 163	Chemical treatments for corrosion control: Engineering and construction requirements	X		02				X	X	
GS (EP) COR 170	Materials for upstream sour service application. Specification for selection and design	X		03				X	X	
GS (EP) COR 201	Supply of sacrificial Anodes	X		02			X	X	X	
GS (EP) COR 202	Monitoring systems for cathodic protection of offshore structures		X	01					X	
GS (EP) COR 210	Insulating joints	X		02					X	
GS (EP) COR 220	Three layer polyethylene external coating for pipelines		X	11	Oct-15	TEQ-000019: Use of external coating as per rev10 of GS (EP) COR 221	X		X	
GS (EP) COR 223	Hot enamel Pipe coating	X		01					X	
GS (EP) COR 225	Polyethylene and polypropylene coatings for bends and fittings	X		00					X	
GS (EP) COR 226	Materials for thermal insulation of pipeline, piping and subsea components	X		00					X	
GS (EP) COR 230	External laminated glass fibre/resin based coating for risers of sea line	X		02				X	X	
GS (EP) COR 231	External elastomer based coating for risers of sea line	X		02			X	X	X	
GS (EP) COR 350	External protection of offshore and coastal structures and equipment by painting		X	13	Dec-16		X	X	X	X
GS (EP) COR 351	External protection of structures and equipment by painting. Floating structures	X		03					X	
GS (EP) COR 352	Internal protection of equipment by painting		X	12	Sep-15			X		
GS (EP) COR 353	Design and application of passive fire protection coatings	X		01				X	X	
GS (EP) COR 401	Installation of anodes on submerged pipelines	X		02					X	
GS (EP) COR 420	External field joint coatings of pipelines		X	10	Oct-15	TEQ-000019: Use of Pipeline CBF as per rev10 of GS (EP) COR 420		X	X	
GS (EP) COR 460	Chemical cleaning of equipment and piping network		X	01				X		
GS (EP) COR 501	Control of cathodic protection of submerged fixed structures	X		02					X	
GS (EP) COR 502	Control by electrical measurements of cathodic protection of submerged pipelines	X		02					X	
GS (EP) COR 560	Physical and chemical treatment of hydrostatic test water	X		02				X	X	
GS (EP) COR 771	Thermal insulation (hot and dual services)	X		02						

DISCIPLINE: DEV

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EP5CT1 Jacket CFT	EP5CCT2 Topsides CFT	EP5CIC3 Pipeline CFT	I1 Installation CFT
GS (EP) DEV 001	Asset Objects Tagging		X	00	dec-2016			X		
GS (EP) DEV 002	Reference Data Library		X	00	Oct-16			X		

DISCIPLINE: ECP

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) ECP 103	Process sizing criteria	X		02		- TEQ-000011: Use of ECP 103 rev10 (2016 referential) for EDP calculations - TEQ-000021: Use gas service criterion specified in GS (EP) ECP 103 rev10 (2016 referential) for flare line sizing - TEQ-000041: Performing Acoustic Inlet Vibration analysis as per GS (EP) ECP 103 rev10 (AIV was not required in 2005) - TEQ-000059: HP flare KO drum sizing criteria		X		
GS (EP) ECP 105	Process and Flow Assurance deliverables to be prepared by Contractor during engineering phase	X		02				X		

DISCIPLINE: ELE

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EP5CT1 Jacket CFT	EP5CT2 Topsides CFT	EP5CT3 Pipeline CFT	I1 Installation CFT
GS (EP) ELE 001	Electrical design criteria	X		02				X	X	
GS (EP) ELE 011	Electrical requirements for packaged units	X		02				X		
GS (EP) ELE 013	Electrical requirements for generating units	X		00				X		
GS (EP) ELE 031	Design of earthing and bonding systems for Offshore Installations	X		01			X	X		
GS (EP) ELE 061	Minimum requirements for HV & LV cable sizing	X		01				X		
GS (EP) ELE 079	Electrical Apparatus for Potentially explosive gas atmospheres	X		02			X	X		
GS (EP) ELE 081	Lighting	X		02			X	X		
GS (EP) ELE 091	Minimum Contractor document requirements	X		00				X		
GS (EP) ELE 111	Induction motors	X		02				X		
GS (EP) ELE 115	AC generators driven by diesel engine	X		02				X		
GS (EP) ELE 135	Low voltage switchgear assembly	X		01				X		
GS (EP) ELE 137	Distribution boards	X		00				X		
GS (EP) ELE 141	Power transformers	X		02				X		
GS (EP) ELE 151	DC Uninterruptible Power Systems (UPS)	X		01				X		
GS (EP) ELE 152	AC Uninterruptible Power Systems (UPS)	X		02				X		
GS (EP) ELE 161	Electrical cables	X		02			X	X	X	
GS (EP) ELE 211	Electrical cabin, Construction and equipment	X		01				X		
GS (EP) ELE 311	Cable trays/ladders	X		02			X	X		
GS (EP) ELE 321	Navigational Aids System	X		01			X	X		
GS (EP) ELE 364	Electrical installations	X		01				X		
GS (EP) ELE 374	Construction site electrical installations	X		00				X	X	X
GS (EP) ELE 451	THIRD PARTY inspection. Ind(EP)endant verification of electrical facilities	X		01			X	X	X	X

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) ENV 001	Environmental Requirements for Projects Design and E&P activities	X		02			X	X	X	X
GS (EP) ENV 011	Environmental specification for onshore pipeline construction	X		01	Oct-03				X	
GS (EP) ENV 112	Environmental baseline and monitoring studies: Offshore and Nearshore Sites	X		02				X		X
GS (EP) ENV 121	Environmental impact assessment for onshore activities	X		01					X	
GS (EP) ENV 122	Environmental impact assessment offshore activities	X		01	Oct-03		X	X	X	X
GS (EP) ENV 500	Noise abatement in production units	X		01	Oct-03		X	X	X	X

DISCIPLINE: EXP

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) EXP 101	Pre-commissioning and Commissioning specification		X	07	May-15		X	X	X	
GS (EP) EXP 103	Pre-commissioning and Commissioning Engineering		X	07	May-15		X	X	X	
GS (EP) EXP 105	Pre-commissioning Execution		X	06	May-15		X	X	X	
GS (EP) EXP 107	Commissioning Execution		X	06	May-15		X	X	X	
GS (EP) EXP 131	Design and installation of Process Data Server - Creation and administration of Asset Model using Field Share method	X								
GS (EP) EXP 139	Alarm Management		X	01	May-15			X		
GS (EP) EXP 153	Requirements for Production Operating Manuals		X	01	May-15			X		
GS (EP) EXP 157	Operator Training Simulator	X								
GS (EP) EXP 159	Pipeline Management System	X								
GS (EP) EXP 201	Operations pr(EP)aration during project - Maintainability & Inspectability criteria		X	04	May-15			X	X	
GS (EP) EXP 203	Maintenance and Inspection documentation pr(EP)aration during project phase		X	05	May-15			X	X	
GS (EP) EXP 207	Installation description structure		X	09	Jan-17			X	X	
GS (EP) EXP 217	Spare Parts requirements for EPCs, Supplier, Manufacturer and MIE Team		X	03	Dec-15			X	X	
GS (EP) EXP 221	Data formats for CMIMS loading		X	03	May-15			X	X	
GS (EP) EXP 311	Plant integrity - Minimum inspection requirements		X	05	Dec-16			X	X	
GS (EP) EXP 401	QRA for O&G installations	X								
GS (EP) EXP 403	Production Availability Studies (PAS) of oil and gas facilities	X		02				X		
GS (EP) EXP 405	Standard reliability data r(EP)ort	X								
GS (EP) EXP 407	Identification of Safety Critical Elements		X	04	Feb-17			X	X	
GS (EP) EXP 501	Equipment and piping numbering		X	06	May-15			X	X	

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) FP 262	Organisation and Safety during Stimulation Operations		X	02	may-2015			X		
GS (EP) FP 330	Manufacturing and Qualification Specification for new seamless OCTG carbon & low alloy material		X	05	2016					
GS (EP) FP 331	Seamless Carbon and low alloy OCTG pipes purchased from stock		X	04	may-2015					
GS (EP) FP 332	Specification for Wellhead & Christmas Tree Manufacturing		X	04	may-2015			X		
GS (EP) FP 335	Manufacturing Specification for new seamless OCTG in CRA material		X	00	2016					
GS (EP) FP 336	Conductor, riser, casing and tubing connection qualification requirements		X	00	2016					
GS (EP) FP 338	Manufacturing specification for new welded pipe for conductor pipe application		X	04	mai-15					
GS (EP) FP 339	Manufacturing & Welding of Connectors to Conductor Pipe		X	04	mai-15					
GS (EP) FP 370	Processus de qualification et d'accréditation des inspecteurs		X	04	2016					
GS (EP) FP 415	Surface Wellhead, surface christmas tree and MLS		X	00	janv-17			X		
GS (EP) FP 440	Surface WCE Specifications & Tests		X	01	Apr-15					
GS (EP) FP 337	Manufacture of OCTG Crossovers		X	03	oct-15					
GS (EP) FP 333	Specification for Downhole Completion Equipment Manufacturing		X	03	Dec-2015					

DISCIPLINE: GEO

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) GEO 101	Offshore Geotechnical Survey		X	09	May-15		X		X	X
GS (EP) GEO 102	Onshore Geotechnical Soil Survey		X	09	Nov-16				X	
GS (EP) GEO 110	Requirements for Offshore Survey Vessels		X	05	May-15		X		X	X
GS (EP) GEO 201	Offshore Geophysical Site Investigation		X	09	May-15		X		X	X
GS (EP) GEO 202	ROV Survey Work for the Installation and/or the Inspection of Offshore Structures and Flowlines		X	07	May-15				X	X
GS (EP) GEO 203	Geophysical survey for offshore pipeline inspection		X	06	Oct-15				X	
GS (EP) GEO 204	Geophysical debris survey		X	05	May-15		X		X	X
GS (EP) GEO 207	ROV Seabed Survey		X	01	May-15				X	X
GS (EP) GEO 216	Onshore geophysical site survey - Electro-Magnetic Geophysical Survey		X	02	May-15				X	
GS (EP) GEO 401	GIS requirements for engineering site surveys and studies		X	06	Dec-16				X	X
GS (EP) GEO 402	GIS Requirements for Field Development Project		X	02	Nov-16					X
GS (EP) GEO 505	Monitoring of Metocean Conditions for Offshore Units		X	08	May-15				X	X
GS (EP) GEO 506	Meteorological and Oceanographic Forecasting		X	03	May-15				X	X
GS (EP) GEO 601	Seismic Hazard Assessment for Offshore Structures		X	01	May-15				X	X
GS (EP) GEO 602	Seismic Hazard Assessment for Onshore Structures		X	01	May-15				X	
GS (EP) GEO 701	Geotechnical Design Considerations for Soil-Pipeline Interaction		X	07	Nov-16				X	
GS (EP) GEO 702	Requirements for design and installation of skirted foundations and suction anchors		X	07	Nov-16					X
GS (EP) GEO 703	Requirements for design and installation of drag anchors and anchor piles for offshore floating structures		X	04	Jul-16					X

DISCIPLINE: GPA

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) GPA 201	Seismic HSE for Marine Activities			NR						
GS (EP) GPA 202	Seismic HSE for Land Activities			NR						
GS (EP) GPA 203	Seismic HSE for Shallow Water and Transition Zone Activities			NR						

DISCIPLINE: HVA

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) HVA 001	General Requirements Applicable to HVAC Discipline		X	01	May-15			X		
GS (EP) HVA 010	Selection of Stainless Steel Grade for HVAC Equipment		X	02	Oct-15			X		
GS (EP) HVA 202	Air Handling Unit(s) (AHU)		X	09	May-15			X		
GS (EP) HVA 204	Anti-blast dampers		X	03	Oct-08			X		
GS (EP) HVA 205	FAN UNIT(s)		X	02	Oct-15			X		
GS (EP) HVA 206	Air Conditioning Unit(s) (ACU)and Associated Air Cooled Condensers(s) (ACC)		X	01	Oct-15			X		
GS (EP) HVA 211	Electrical heater(s)		X	05	Oct-12			X		
GS (EP) HVA 213	Fire Damper(s) Electrically Actuated		X	05	May-15			X		
GS (EP) HVA 217	Sound attenuators		X	05	May-15			X		
GS (EP) HVA 218	Coalescer Filter(s)		X	02	May-15			X		
GS (EP) HVA 219	Non-return Dampers		X	02	May-15			X		
GS (EP) HVA 220	Shut-off Dampers		X	03	May-15			X		
GS (EP) HVA 221	Pressure Relief Dampers		X	03	May-15			X		
GS (EP) HVA 222	Balancing Dampers		X	02	May-15			X		
GS (EP) HVA 223	Kitchen Hood(s)		X	02	May-15			X		
GS (EP) HVA 236	Balancing Valves for HVAC Installations		X	01	May-15			X		
GS (EP) HVA 290	Shut-off Damper Electrical Actuator(s)		X	02	May-15			X		
GS (EP) HVA 301	HVAC Plant Room(s)		X	04	May-15			X		
GS (EP) HVA 400	Ducts for HVAC systems		X	02	May-15			X		
GS (EP) HVA 410	HVAC Equipment FACTORY COMPLIANCE TESTS		X	02	May-15			X		
GS (EP) HVA 430	HVAC Piping		X	00	Oct-15			X		
GS (EP) HVA 461	Ductwork numbering rules		X	01	May-15			X		
GS (EP) HVA 462	HVAC equipment numbering rules		X	01	May-15			X		
GS (EP) HVA 463	HVAC Equipment Name Plates		X	01	May-15			X		
GS (EP) HVA 801	Terminology, definitions, abbreviations		X	09	May-15			X		
GS (EP) HVA 802	Documents to supplied for Basic Engineering and Detail Engineering	X		00				X		
GS (EP) HVA 803	Symbols for P&ID and D&ID	X		00				X		
GS (EP) HVA 830	Typicals HVAC P&ID - D&ID		X	04	May-15			X		
GS (EP) HVA 832	HVAC Duct Insulation Details		X	01	May-15			X		
GS (EP) HVA 833	HVAC Pipe Insulation Details		X	01	May-15			X		

DISCIPLINE: ICS

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) ICS 001	2D CAD Layouts		X	02	Dec-16			X	X	
GS (EP) ICS 002	2D CAD Process Schematics		X	02	Dec-16			X	X	
GS (EP) ICS 003	Numbering of wells, facilities, equipment and documents at project definition phase		X	01	Jun-15				X	
GS (EP) ICS 004	3D CAD Models		X	02	Dec-16			X		
GS (EP) ICS 005	3D CAD Model Administration & Catalogues		X	02	Dec-16			X		

DISCIPLINE: INS

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) INS 101	Instrumentation Design	X		03				X	X	
GS (EP) INS 102	Instrumentation Identification	X		01				X	X	
GS (EP) INS 104	Design of generation and distribution of instrument air or gas	X		02				X	X	
GS (EP) INS 107	Design and installation of instrumentation links	X		01				X	X	
GS (EP) INS 108	Instrumentation for the design of plant rooms and control rooms	X		02				X	X	
GS (EP) INS 110	Instrumentation for package units	X		00				X	X	
GS (EP) INS 112	Design and supply of gas custody transfer metering units	X		00				X	X	
GS (EP) INS 115	Instrument Earthing		X	01	May-15	TEQ-000006_Earthing Philosophy	X	X	X	
GS (EP) INS 134	Design and supply of integrated control and safety system	X		02				X	X	
GS (EP) INS 135	Cybersecurity Requirements for Industrial Information Systems (SII)		X	10	Oct-15			X	X	
GS (EP) INS 137	On/Off Valve Control Panels and Actuators	X		01				X	X	
GS (EP) INS 146	Generation and Distribution of Hydraulic Energy	X		02				X	X	
GS (EP) INS 147	Wellhead Control Panels	X		01				X	X	
GS (EP) INS 309	Access Control System	X		00	Oct-15			X	X	
GS (EP) INS 900	Instrument Hook-up Diagram	X		02				X	X	

DISCIPLINE: LSO

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) LSO 110	Environmental effects considerations for helidecks	X		00				X		
GS (EP) LSO 115	Helideck Specifications for Operations		X	04	Jun-16					X
GS (EP) LSO 201	Towing of Watercraft		X	05	Apr-17				X	X
GS (EP) LSO 202	Personnel transfer between watercrafts and between watercrafts and offshore structures		X	06	Jun-16			X	X	X
GS (EP) LSO 207	Notices to mariners and restricted navigation zone		X	02	Sep-15					X
GS (EP) LSO 209	Life Jackets & Immersion Suits Specification		X	02	May-15			X	X	X
GS (EP) LSO 306	Selection and Operation of Dynamically Positioned Vessels		X	04	May-15	Note to be added in Exh E: "Rev 05 will be provided by Tender Bulletin when issued."		X	X	X
GS (EP) LSO 410	Manned Underwater Operations		X	05	May-15				X	X

DISCIPLINE: MEC

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EP5CT1 Jacket CFT	EP5CCT2 Topsides CFT	EP5CIC3 Pipeline CFT	I1 Installation CFT
GS (EP) MEC 101	Design and Power Margin	X		03				X		
GS (EP) MEC 270	Supply of Mechanical Seal According to API Standard 682	X		01						
GS (EP) MEC 271	Centrifugal Pumps for the Petroleum, Chemical and Gas Industry Services according to API Standard 610		X	06	May-2015			X		
GS (EP) MEC 273	Supply of centrifugal pumps class II according to ISO 5199	X		01						
GS (EP) MEC 281	Lubrication, Shaft Sealing and Oil Control Systems and Auxiliaries according to ISO 10438/API Standard 614	X		02				X		
GS (EP) MEC 290	Rotating Machines Packages	X		02				X		
GS (EP) MEC 301	Rotating Machines - Inspection and SMOP Tests		X	01	Aug-03			X		

DISCIPLINE: MED

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS MED 060	On site medical structures		X	01	Oct-05		X	X	X	X
GS MED 061	Medical support for E&P sites		X	01	Oct-05		X	X	X	X
GS MED 062	Hygiene in bases and living quarters		X	01	Oct-05		X	X	X	X
GS MED 063	Specific risks : clinical and therapeutic elements		X	01	Oct-05		X	X	X	X

DISCIPLINE: PJC

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) PJC 301	Hook-up organization and pr(EP)aration		X	03	Oct-15		X	X	X	X
GS (EP) PJC 302	Work status methodology		X	04	May-15		X	X	X	X
GS (EP) PJC 501	Requirements for Contractor Quality Management		X	08	May-15		X	X	X	X
GS (EP) PJC 502	Requirements for Contractor criticality rating of a Unit		X	08	May-15		X	X	X	X
GS (EP) PJC 503	Requirements for Contractor Quality Surveillance		X	09	Jan-17		X	X	X	X
GS (EP) PJC 701	Documents Identification & Numbering at Project Execution and Field Operations Phases		X	10	Dec-16		X	X	X	X
GS (EP) PJC 702	Requirements for electronic Documents at Project Execution and Field Operations Phases.		X	09	Dec-16		X	X	X	X
GS (EP) PJC 703	Contractor final documentation requirements		X	06	Dec-16		X	X	X	X

DISCIPLINE: PLR

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) PLR 000	General Specification Catalogue	X		01				X	X	
GS (EP) PLR 001	Documentation requirements	X		00			X	X	X	
GS (EP) PLR 002	Organization of the design works	X		00				X	X	
GS (EP) PLR 100	Submarine pipeline systems		X	12		See TEQ 062		X	X	
GS (EP) PLR 101	Design of submarine pipeline as per DNV 1981	X		01					X	
GS (EP) PLR 103	Design of submarine pipelines as per DNV-OS-F101	X		02					X	
GS (EP) PLR 104	Onshore pipeline systems	X		01					X	
GS (EP) PLR 111	Submarine bundles	X		00					X	
GS (EP) PLR 201	Fabrication of seamless pipes for pipelines (sweet and mild sour service)	X		03		See TEQ 065	X		X	
GS (EP) PLR 205	Carbon steel, clad and lined pipe manufacturing for lin(EP)pipe applications according to API SPEC 5L and DNV-OS-F101 (sweet and sour service, onshore and offshore)		X	01	Nov-15				X	
GS (EP) PLR 212	Fabrication of longitudinally submerged arc welded pipes for pipelines	X		04		See TEQ 060	X		X	
GS (EP) PLR 221	Fabrication of hot bends for pipelines (sweet service)	X		03		See TEQ 066	X		X	
GS (EP) PLR 222	Carbon steel flanges and branch outlet fittings and forged components for pipelines (sweet service)	X		02		See TEQ 070	X	X	X	
GS (EP) PLR 223	Carbon steel tees for pipelines (sweet service)	X		03					X	
GS (EP) PLR 231	Induction bends for pipelines (mild, intermediate and severe sour service)	X		03		See TEQ 069	X		X	
GS (EP) PLR 232	Carbon steel flanges and branch outlet fittings and forged components for pipelines (mild, intermediate and severe sour service)	X		03		See TEQ 063	X		X	
GS (EP) PLR 233	Carbon steel tees for pipelines (mild, intermediate and severe sour service)	X		03		See TEQ 067		X	X	
GS (EP) PLR 401	Installation of Submarine pipelines		X	12	May-15				X	
GS (EP) PLR 403	Installation of onshore pipelines		X	11	Oct-16				X	
GS (EP) PLR 406	Storage and transportation of line pipes		X	08	May-15		X	X	X	
GS (EP) PLR 407	Load out of submarine cables, umbilical and flexible pipes	X		01					X	
GS (EP) PLR 408	Transportation of submarine cables, umbilical and flexible pipes	X		01					X	
GS (EP) PLR 409	Installation of submarine cables, umbilical and flexible pipes	X		01					X	
GS (EP) PLR 410	Concrete coating for submarine pipelines		X	10	Oct-16				X	
GS (EP) PLR 420	Site welding of carbon steel pipelines to API 1104 (sweet and mild severe sour service)	X		03		See TEQ 068	X	X	X	
GS (EP) PLR 421	Site welding of carbon steel pipelines to API 1104 (intermediate and severe sour service)	X		03		See TEQ 064	X	X	X	
GS (EP) PLR 426	Site welding of carbon steel and CRA pipelines (sweet and sour service, onshore and offshore) according to DNV-OS-F101		X	01	Oct-15				X	
GS (EP) PLR 430	Automated Ultrasonic Testing of pipeline girth welds according to DNV standards	X		01			X	X	X	
GS (EP) PLR 501	Hydrostatic testing of pipelines	X		02			X	X	X	
GS (EP) PLR 502	Pre-commissioning of pipelines	X		01			X	X	X	

DISCIPLINE: POS

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) POS 001	Offshore surface positioning works		X	03	Jul-15		X			X
GS (EP) POS 002	Subsea positioning works		X	04	Jul-16		X		X	X
GS (EP) POS 003	Land surveying and positioning works		X	03	Apr-16				X	X
GS (EP) POS 004	The use of Differential Global Navigation Satellite System		X	02	Jan-12				X	X

DISCIPLINE: PVV

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSC1 Jacket CFT	EPSC2 Topsides CFT	EPSC3 Pipeline CFT	I1 Installation CFT
GS EP PVV 101	List of piping documents to be supplied to Total	X		01			X	X		
GS EP PVV 102	Piping Hook-up Standards			03						
GS EP PVV 107	Piping Stress Analysis	X		02				X		
GS EP PVV 109	Allowable loads on static equipment	X		01				X		
GS EP PVV 111	Piping design specification	X		03			X	X		
GS EP PVV 112	Piping material classes	X	X	04 and rev 14	Oct-15	TEQ-000032: Use of B91 PMC as defined in GS EP PVV 112 rev14 (2016 referential)		X	X	
GS EP PVV 115	3D electronic models	X		01				X		
GS EP PVV 116	Model review check list	X		01				X		
GS EP PVV 119	Design and fabrication of metallic piping supports - Standard for piping supports	X		02			X	X		
GS EP PVV 142	Valves	X		01				X	X	
GS EP PVV 143	Metallic pipes	X		02			X	X	X	
GS EP PVV 144	Fittings	X		01			X	X	X	
GS EP PVV 145	Flanges	X		02			X	X	X	
GS EP PVV 146	Bolting for piping	X		01			X	X		
GS EP PVV 147	Gaskets for piping and vessels	X		02			X	X	X	
GS EP PVV 148	Glass - Reinforced plastic Epoxy Resin Piping materials (tubes and accessories)	X		01				X		
GS EP PVV 171	Steel piping fabrication	X		03			X	X	X	
GS EP PVV 173	Pneumatic testing of above ground piping systems	X		01				X		
GS EP PVV 175	Cleaning of piping and vessels	X		01			X	X		
GS EP PVV 178	Design and erection of Glass Reinforced Plastic (GRP) with Epoxy resins piping system	X		01				X		
GS EP PVV 201	List of pressure vessels documents to be supplied to Total	X		01			X	X		
GS EP PVV 202	Standard drawings for accessories and equipment of vessels	X		01			X	X		
GS EP PVV 211	Design and fabrication of pressure vessels according to ASME VIII	X		01		Some § of 2016 has been added inside Pressure vessel specification		X	X	
GS EP PVV 212	Design and fabrication of pressure vessels according to BSI PD 5500	X		01		Some § of 2016 has been added inside Pressure vessel specification		X		
GS EP PVV 312	Design and fabrication of metallic vertical storage tanks	X		01				X		
GS EP PVV 551	Flare Tips		X	01	May-15					
GS EP PVV 611	Welding of pressure containing piping and equipment	X		03			X	X		
GS EP PVV 612	Piping and equipment subject to severe sour service. Metallurgical and welding requirements	X		02		Some § of 2016 has been added inside Pressure vessel specification		X		
GS EP PVV 613	Valves Materials Requirement for use in Sour Service	X		02		Some § of 2016 has been added inside Pressure vessel specification		X	X	
GS EP PVV 615	Welding of UNS 31254 alloy	X		01						
GS EP PVV 618	Fabrication of alloy UNS 06625 grade 1 materials	X		01				X		
GS EP PVV 620	Specification for fabrication and welding of piping systems in cupronickel and associated materials	X		01				X		
GS EP PVV 621	Piping Components in Material 2 1/4Cr- 1%Mo		if any	02	May-15					
GS EP PVV 622	Piping and equipment subject to mild and intermediate sour service. Metallurgical and welding requirements	X		02				X		
GS EP PVV 630	TOFD Inspection		x	06	May-15					
GS EP PVV 811	Diatom earth pre-coat filter	X		01						
GS EP PVV 813	Skid mounted units for static equipment	X		01				X		
GS EP PVV 814	Skid mounted units for chemical products injection systems	X		01				X		
GS EP PVV 912	Piping fabrication facilities survey	X		01				X		
GS EP PVV 913	QA questionnaire for piping fabrication	X		01				X		
GS EP PVV 920	Inspection procedure for pressure vessels	X		01				X		
GS EP PVV 921	Check list for inspection of pressure vessel	X		01				X		
GS EP PVV 950	Technical Assesement of Pressure Vessels and Heat Exchangers Manufacturers		if any	01	May-15					
GS EP PVV 951	Technical Assesement of Pipes Fittings Manufacturers		if any	01	May-15					
GS EP PVV 952	Technical Assesement of Piping Manufacturers		if any	01	May-15					
GS EP PVV 953	Technical Assesement of Valves Manufacturers		if any	02	May-15					
GS EP PVV 954	Technical Assesement of Glass-Reinforced Plastics (GRP) Piping Manufacturers		if any	01	May-15					
GS EP PVV 955	Foundry Technical Assesement		if any	02	May-15					

DISCIPLINE: **PVV**

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS EP PVV 956	Forging Mill Technical Assessment		if any	01	May-15					
GS PVV 923	Vendor quality assurance questionnaire: pressure vessels and heat exchangers	X		01				X		
GS PVV 924	Agenda for technical audit of pressure vessel and heat exchangers	X		01				X		
GS PVV 942	Shop survey - valves	X		01				X		
GS PVV 943	QA questionnaire valves	X		01				X		

DISCIPLINE: SAF

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) SAF 021	Layout	X		01			X	X	X	X
GS (EP) SAF 041	Technological Risk Assessment Methodology		X	03	Nov-15		X	X	X	X
GS (EP) SAF 216	Area Classification	X		01			X	X	X	X
GS (EP) SAF 221	Safety rules for buildings	X		01			X	X	X	X
GS (EP) SAF 222	Safety rules for turbines, Diesel engines, gas engines and process units in sheltered or enclosed areas	X		01			X	X	X	X
GS (EP) SAF 226	Completed wells safety systems and safety rules	X		01			X	X	X	X
GS (EP) SAF 228	Liquid drainage	X		01			X	X	X	X
GS (EP) SAF 253	Impacted area, restricted area and fire zones	X		01			X	X	X	X
GS (EP) SAF 261	Emergency Shutdown and Emergency D(EP)ressurisation (ESD & EDP)	X		01			X	X	X	X
GS (EP) SAF 262	Pressure protection relief and hydrocarbon disposal systems	X		01			X	X	X	X
GS (EP) SAF 311	Rules for the selection of active fire protection systems	X		01			X	X	X	X
GS (EP) SAF 312	Fire and Gas detection	X		01			X	X	X	X
GS (EP) SAF 321	Fire pump stations and fire water mains	X		01		TEQ-00013: Use of GS-(EP)-SAF-321 rev04 for flow velocities in the rig main	X	X	X	X
GS (EP) SAF 322	Fixed fire water systems	X		01		TEQ-00012: Use of GS-(EP)-SAF-322 rev04 (2016) for water flow velocity in deluge network	X	X	X	X
GS (EP) SAF 331	Carbon dioxide fixed fire extinguishing systems		X	04	May-15		X	X	X	X
GS (EP) SAF 332	Water mist and gaseous fixed fire extinguishing systems	X		01						
GS (EP) SAF 334	Foam fire extinguishing systems	X		01						
GS (EP) SAF 337	Passive Fire Protection: basis of design	X		01			X	X	X	X
GS (EP) SAF 351	Escape, evacuation and rescue from fixed installations	X		01			X	X	X	X
GS (EP) SAF 361	SIL assignment		X	01	May-15		X	X	X	X
GS (EP) SAF 371	Emergency control facilities		X	04	May-15		X	X	X	X

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) SDV 101	Etat Initial Sociétal			NR						
GS (EP) SDV 102	Etude d'Impact Sociétal			NR						
GS (EP) SDV 103	Human Rights Impact Assessment (HRIA)			NR						

DISCIPLINE: SPS

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) SPS 027	WOROV spread minimum requirements		X	04	Oct-15				X	X
GS (EP) SPS 030	Observation ROV spread minimum requirements		X	04	May-15				X	X

DISCIPLINE: STR

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) STR 001	Weight monitoring and weighing offshore and onshore units	X		04			X	X	X	X
GS (EP) STR 002	Crane for fixed offshore installations	X		03				X		
GS (EP) STR 004	Riser / Umbilical Pulling Rig, Pulling and Mooring Winches		X	06						
GS (EP) STR 005	Lifting Appliances other than cranes and winches		X	03						
GS (EP) STR 006	Requirements for the design, fabrication and testing of Overhead Travelling Cranes		X	02						
GS (EP) STR 100	Offshore steel structures – General	X		04			X	X	X	X
GS (EP) STR 101	Design of offshore jacket and subsea structures	X		04			X		X	
GS (EP) STR 102	Design of offshore topside structure	X		04				X		
GS (EP) STR 103	Design and fabrication of skids and equipment supporting structures	X		03				X	X	
GS (EP) STR 104	Design and fabrication of technical cubicles for offshore and onshore oil installations		X	5	Nov-15			X		
GS (EP) STR 105	Boat landings and bumpers	X		03			X		X	X
GS (EP) STR 107	Offshore structures decommissioning		X	04	May-15			X		X
GS (EP) STR 108	Requirements for evaluation of finite elements analysis and results		X	03	May-15					
GS (EP) STR 201	Materials for offshore steel structures	X		03			X	X	X	
GS (EP) STR 301	Fabrication of offshore steel structures	X		04			X	X	X	X
GS (EP) STR 304	Fabrication of Welded Plate Girders (W.P.G.) and Box Girders (B.G.)	X		02			X	X		
GS (EP) STR 401	Loadout, seafastening, transportation and installation of offshore structures		X	15	May-16		X	X	X	X
GS (EP) STR 402	Anchorage for a support vessel on an offshore site		X	04	May-15			X	X	X
GS (EP) STR 403	Acc(EP)table criteria of a support vessel for offshore works	X		02			X	X	X	X
GS (EP) STR 404	Marine aspects for load-out, transportation and installation of offshore and onshore structures		X	04	Nov-15		X	X	X	X
GS (EP) STR 411	Crane and transport operations onshore		X	02	Nov-16				X	
GS (EP) STR 431	Installation of piles for offshore steel structures. Driven piles		X	10	May-15		X			X
GS (EP) STR 432	Installation of piles for offshore steel structures. Drilled and grouted piles		X	05	May-15		X			X
GS (EP) STR 485	ROV	X		01					X	X
GS (EP) STR 611	Determination of the location of an offshore terminal	X		03					X	
GS (EP) STR 901	Design rules and construction standards for ancillary structures of offshore and onshore installations	X		03			X	X	X	
GS (EP) STR 902	Pultruded fire resistant fibre reinforced plastic floor grating		X	03	Nov-15					

DISCIPLINE: TEL

GS Ref	GS Name	2005	Other	Rev of GS used for SP11 update	Rev (Other)	Comment	EPSCT1 Jacket CFT	EPSCCT2 Topsides CFT	EPSCIC3 Pipeline CFT	I1 Installation CFT
GS (EP) TEL 002	Telecom Shutdown Philosophy		X	05	May-15	TEQ-000049_Telecom Applicable GS		X		
GS (EP) TEL 111	Design and installation of a Tel(EP)hony System		X	03	May-16	TEQ-000049_Telecom Applicable GS Referential 2017 requested by COMPANY		X		
GS (EP) TEL 120	Point to point microwave links		X	07	May-15	TEQ-000049_Telecom Applicable GS		X		
GS (EP) TEL 121	Point to Multipoint radio network		X	03	Oct-15	TEQ-000049_Telecom Applicable GS		X		
GS (EP) TEL 130	Marine and Air/Ground Radio Links		X	02	May-15	TEQ-000049_Telecom Applicable GS		X		
GS (EP) TEL 133	Trunked radio networks		X	02	May-15	TEQ-000049_Telecom Applicable GS		X		
GS (EP) TEL 140	Public Address and General Alarm (PAGA)		X	09	Nov-16	TEQ-000049_Telecom Applicable GS Referential 2017 requested by COMPANY		X		
GS (EP) TEL 150	Design, supply and installation of satellite telecommunication systems		X	04	dec 2015	TEQ-000049_Telecom Applicable GS		X		
GS (EP) TEL 160	Closed-Circuit Television (CCTV)		X	09	May-16	TEQ-000049_Telecom Applicable GS		X		
GS (EP) TEL 161	Audio, video and internet entertainment system		X	08	Jul-15	TEQ-000049_Telecom Applicable GS		X		
GS (EP) TEL 170	Communications Network		X	07	May-15	TEQ-000049_Telecom Applicable GS Referential 2017 requested by COMPANY		X		
GS (EP) TEL 190	Offshore optical fibres based telecommunications		X	06	May-15	TEQ-000049_Telecom Applicable GS		X		
GS (EP) TEL 191	Telecom Fibre Optic System Design		X	04	May-15	TEQ-000049_Telecom Applicable GS		X		
GS (EP) TEL 410	Installation rules		X	09	Dec-16	TEQ-000049_Telecom Applicable GS Referential 2017 requested by COMPANY	X	X		
GS (EP) TEL 413	Telecom mast telecom requirements		X	04	Dec-16	TEQ-000049_Telecom Applicable GS Referential 2017 requested by COMPANY		X		
GS (EP) TEL 414	Telecommunication Cables		X	03	Dec-16	TEQ-000049_Telecom Applicable GS Referential 2017 requested by COMPANY		X		
GS (EP) TEL 700	Telecommunications Engineering services		X	07	May-15	TEQ-000049_Telecom Applicable GS		X		
GS (EP) TEL 710	Telecom equipment numbering		X	08	Jul-16	TEQ-000049_Telecom Applicable GS Referential 2017 requested by COMPANY		X		