



Exploration & Production

GENERAL SPECIFICATION

FIELD OPERATION

GS EP EXP 203

**Maintenance and Inspection documentation
preparation during project phase**

03	09/09	Complete revision to be in accordance with EDMS COMPANY (PRODOM)
02	10/05	Complete document revision
01	09/03	Change of Group name and logo
00	12/00	First issue
Rev.	Date	Notes



Contents

1. Scope	4
2. Reference documents.....	4
3. Objective	5
4. Introduction	6
4.1 Document presentation.....	6
4.2 Definitions	6
4.3 General scope	6
4.4 Maintenance dossiers organisation and presentation	7
4.5 Preparation of Maintenance Documentation	7
4.6 Creation of Maintenance files	9
4.7 Maintenance files updating	9
5. General presentation dossier.....	9
5.1 Scope.....	9
5.2 Table of contents of the general presentation volume	9
5.3 Information on breakdown of the installations	9
5.4 Generalities.....	10
5.5 Table of contents of the Maintenance files	10
5.6 List of systems/units	10
5.7 Distribution of volumes per manufacturer	10
5.8 Distribution of volumes per item of equipment.....	10
5.9 Validation of the files.....	10
5.10 Name and contact details of manufacturers and suppliers.....	10
5.11 General presentation	10
5.12 Table of Contents	10
5.13 System/unit description.....	11
5.14 General documents	11
5.15 List of functional locations and items of equipment	11
5.16 List of manufacturers and suppliers.....	11
5.17 Equipment subfile	11



6. Manufacturer grouping files	12
6.1 General	12
6.2 Table of contents	13
6.3 List of manufacturer groupings	13
6.4 Manufacturer subfile	13
7. Spare parts file	14
8. RCM and RBI studies results	14
9. List of Appendices	14
Appendix 1 MODEL A1.....	16
Appendix 2 MODEL A2.....	17
Appendix 3 MODEL A3.....	19
Appendix 4 MODEL A4.....	20
Appendix 5 MODEL A5.....	21
Appendix 6 MODEL A6.....	22
Appendix 7 MODEL A7	23
Appendix 8 MODEL B1.....	24
Appendix 9 MODEL B2.....	26
Appendix 10 MODEL B3.....	27
Appendix 11 MODEL B4.....	28
Appendix 12 MODEL B5.....	29
Appendix 13 MODEL B6.....	30
Appendix 14 MODEL C1	31
Appendix 15 MODEL C2	32
Appendix 16 MODEL C3	33



1. Scope

This specification sets out the requirements to define in a standard way how to prepare and organise the maintenance and inspection documentation during project phase.

This documentation must be directly and easily operational for people who will be in charge of the installations maintenance and inspection.

In that way, the documentation shall be:

- complete,
- organised and presented in an homogeneous way,
- addressable either by technical breakdown or by equipment characteristics.

2. Reference documents

The reference documents listed below form an integral part of this General Specification. Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and supplements, is the latest revision published at the EFFECTIVE DATE of the CONTRACT.

Standards

Reference	Title
EN 13306	Maintenance Terminology
EN 13460	Maintenance – Documents for maintenance
NF X 60-200	Maintenance - Technical documentations associated with an item throughout its life cycle
FD X 60-212	Maintenance - Handbook of instructions maintenance – Definitions and general principles for the wording and layout
X 60-250	Maintenance - Function "User Technical Documentation " – Recommendations for its introduction or organization within manufacturers of equipment

Professional Documents

Reference	Title
Not applicable	

Regulations

Reference	Title
Not applicable	



Codes

Reference	Title
Not applicable	

Other documents

Reference	Title
Not applicable	

Total General Specifications

Reference	Title
GS EP EXP 201	Operations preparation during project. Maintainability & Inspectability criteria
GS EP EXP 205	Requirements to MIEC Contractor for spare parts
GS EP EXP 207	Installation description structure
GS EP PJC 701	Document identification & numbering at project execution and field operations phases
GS EP PJC 702	Requirement for electronic documents at Project execution and Field Operations Phases
GS EP PJC 703	CONTRACTOR Final documentation requirements
GS EP PVV 201	List of pressure vessels documents to be supplied to Total

3. Objective

The maintenance and inspection files aim at:

- For maintenance purpose:
 - knowing the equipment,
 - knowing the requirements (operations, lubrication, chemicals, etc.),
 - performing effective maintenance and carrying out the necessary repairs in case of failure (maintenance instructions, drawings, spare parts, specific tools, etc.),
- For inspection purpose:
 - establishing, for reference, the "Base Line" of the supplied equipment and materials, through quality records proving their conformance to specified requirements, inclusive of the statutory requirements,
 - defining effective inspection programme and carrying out initial surveys for reference purpose.



The term “maintenance” within this specification shall be understood as covering all aspects of equipment maintenance and inspection.

4. Introduction

4.1 Document presentation

The present document contains two parts:

- a first part « explanations on how to constitute the documentation »,
- a second part « models inside the appendices ».

These appendices shall be used to establish the Maintenance files. They are named regarding the group of files they correspond to (e.g. Appendices A for general presentation volume, Appendices B for Maintenance files per system, Appendices C for manufacturer grouping files).

Project documentation has to be electronically organized with an Electronic Documentation Management System (EDMS) such as PRODOM. , The index, document properties and keyword functions will be managed by this EDMS. All documents shall be available from a “single source”.

4.2 Definitions

COMPANY	TOTAL affiliate (for installations extensions) or Project team
EPCC	Engineering Procurement Construction and Commissioning party
MIEC	Maintenance and Inspection Engineering Contract
MDR Master Document Register	File containing the list of all documents to be provided by MIEC and its necessary associated information for the management needs.
Deliverables	Documentation to be delivered by MIEC Contractor to COMPANY within the framework of the MIEC.
Media Support	Physical support to be used for issuing the Master File, for example: CD Rom, DVD Rom or External hard disk.
RCM	Reliability Centered Maintenance
RBI	Risk Based Inspection

4.3 General scope

All tagged equipment (either inside process and suppliers PID, or inside schemes) shall be in the maintenance files. Moreover, certain materials which have no tag number may be considered if required.

All the documents related to MIE activities shall be included into the maintenance files in compliance with COMPANY indications.

4.4 Maintenance dossiers organisation and presentation

Maintenance documentation shall be organised as follows:

- a dossier for general presentation, this includes Spare Part list and “Methods”.
- several technical dossiers named « manufacturer grouped files »,
- several dossiers named “files per item of equipment”
- one or several technical dossiers named « spare parts files ».

All the dossiers shall have an identical and homogeneous design. Each dossier shall describe the table of contents of the maintenance dossier.

The identification number of the Maintenance dossiers shall conform to the Project documentation numbering.

Country Code	Site Code	Sector Code	Contractor Code	Contract Number or Equivalent
AA	BBB	CCCCC	EEEE	NNNNN

Country Code	Site Code	Sector Code	Contractor Code	System	Unit
AA	BBB	CCCCC	EEEE	PPPPP	UUUUU

Country Code	Site Code	Sector Code	Contractor Code	Manufacturer
AA	BBB	CCCCC	EEEE	PPPPPP

Where:

- AA is the country code given by Project;
- BBB is the site code given by Project;
- CCCCC is the sector code given by Project;
- EEEE is the MIEC code given by Project;

NNNNN must be GENE for general presentation dossier without Second Level

PPPPPP must be “system description” and QQQQQQ “Unit description”

PPPPPP must be MANUF for “manufactured grouped documents” without Second Level

All codes are given by PROJECT.

4.5 Preparation of Maintenance Documentation

All documentation produced by the MIEC Contractor shall be in COMPANY EDMS (PRODOM).

MIEC shall create and deliver a MDR for his deliverables.



All the MIEC deliverables shall be issued to COMPANY through COMPANY EDMS (PRODOM) individually. If MIEC has to create an extraction of an existing document, the extraction shall be put in PRODOM following **GS EP PJC 701**, and by creating a link in between the original document and the extraction within PRODOM.

4.6 Creation of Maintenance files

The Maintenance files shall contain the documents described in chapter 10.

Depending on the number of MIEC dossiers, CONTRACTOR could use the following media support:

- CD-ROM
- DVD-ROM
- External hard disk.

No paper copy is required unless otherwise specified.

4.7 Maintenance files updating

The Maintenance files are the snapshot of the composition of an installation at a precise moment prior to delivery to the subsidiary.

The documentation and the stored data must therefore be updated by the MIEC Contractor taking into account the comments and/or modifications (marked-up documents) made during commissioning and start up phases.

The MIEC Contractor shall produce and submit to COMPANY a procedure describing the marked-up documents management process.

The revision sheet in Appendix A, Model A1 shall be used at the time of commissioning or during start up if any modifications have been made to the installations. This revision sheet shall apply only to MIEC deliverables.

5. General presentation dossier

5.1 Scope

The general presentation dossier is intended to help the user to reading and learning the data and documents contained in the maintenance files.

Consequently, the user should be able to find easily the information he is looking for.

Moreover this volume contains the list of pending items in the preparation of the « Maintenance files » together with a list of names and addresses of all the suppliers and manufacturers involved in the project.

5.2 Table of contents of the general presentation volume

The table of contents of this volume shall conform to the Model A2. The contents of each chapter are described here below.

5.3 Information on breakdown of the installations

The information included in the technical volumes shall be organised in accordance with the installations structure, as per **GS EP EXP 207**.

An installation is divided up into systems. Each system comprises several units and functional locations. An item of equipment may be linked to a functional location.



5.4 Generalities

In that way, it is important to give examples based either on the tag / marking or on a manufacturer or on any other element provided it is clearly demonstrated.

A summary shall explain how the maintenance files are organised regarding the organisation of the installations as already mentioned in previous chapter.

5.5 Table of contents of the Maintenance files

This chapter is intended to give an overall view of the Maintenance files (see standard table of contents in Model A3).

5.6 List of systems/units

Each system is briefly described and the relevant PID number and the volume in which it is to be found must be given (see Model A4). **GS EP EXP 207** describes the standard installation description structure.

5.7 Distribution of volumes per manufacturer

This chapter, presented in the form of a table a model of which is enclosed in Model A5, must guide the user to the right volume.

5.8 Distribution of volumes per item of equipment

Same as 5.7 but navigation through the volumes is via the item of equipment identification number (see Model A7).

5.9 Validation of the files

This chapter recapitulates all pending points when the files were made.

A detailed and accurate list of the information missing must be provided for each volume.

5.10 Name and contact details of manufacturers and suppliers

A list of manufacturers and suppliers of equipment and apparatus shall be listed in alphabetical order as per Model A7.

It shall include the address, telephone and fax numbers and generic e-mail address.

5.11 General presentation

Each chapter listed into the table of contents shall begin with a recapitulative list of the included documents.

This list shall indicate the reference of documents (drawing number for example) and their revision. The objective is to be able to trace the documents included in the Maintenance files.

5.12 Table of Contents

The table of contents shall be in line with Model B1. This is the first volume of a system file.

A system may comprise several volumes, in which case the table of contents must cover all its constituent volumes.



This table of contents must be described in virtual dossiers as listed in § 4.6

5.13 System/unit description

This chapter shall contain a description of the function, normal operation and operation in the event of incident.

5.14 General documents

This chapter comprises the PFD, PID, and other main diagrams of the system.

5.15 List of functional locations and items of equipment

This shall include the functional location tag or equipment identification number, its designation, its manufacturer and reference (see Model B2).

5.16 List of manufacturers and suppliers

List the manufacturers and suppliers of equipment and apparatus in the system and refer to volume 1 for their addresses.

5.17 Equipment subfile

Each item of equipment forms part of a subfile. All subfiles must be composed in an identical manner.

5.17.1 Table of contents

This is presented in Model B3 and shall be above each equipment subfile.

5.17.2 Identification sheet

This sheet shall indicate the main function of the equipment and provide a brief description.

5.17.3 Technical characteristics of functional locations and items of equipment

Each functional location or item of equipment has specific characteristics. All these characteristics shall appear on a data sheet as delivered by CONTRACTOR or SUPPLIER.

5.17.4 Plans and diagrams of the skid

If these plans and diagrams exist in other volumes, this must be indicated and the appropriate references provided.

5.17.5 Operation, storage and cocooning instructions

It concerns the instructions provided by manufacturers, which explain the operation principle of equipment. Storage and cocooning instructions must also be included.

5.17.6 Maintenance instructions

This section comprises:

- manufacturers maintenance manuals for equipment, subassemblies and accessories (if these are given in another volume, refer the reader as appropriate),
- wiring diagrams (if given elsewhere, indicate the references),



- troubleshooting diagrams,
- the grid for locating anomalies,
- the plans and the instructions for dismantling and handling of subassemblies and complete assemblies in order to assure their replacement.

5.17.7 Lubrication sheets

An example of lubrication sheet is shown in Model B5. Whenever the lubricants recommended by the suppliers of certain equipment are not TOTAL ones, the equivalent must be found by consulting either the manufacturer of the equipment or the relevant TOTAL vendors.

5.17.8 Adjustment settings

It concerns the settings present for the operations of the installation (example: PSH, LSL, etc.). See Model B6.

If these values are not available when the file is created the relevant information shall be incorporated in the Maintenance file after commissioning or start up phases by MIEC.

5.17.9 Sectional view plans and detailed views

These are used for identifying the spare parts which are listed in the Spare Part Lists (SPL) described hereafter. They must therefore clearly show the manufacturer's tags, descriptions and catalogue parts references.

5.17.10 Spare Parts Lists

This will include all the spare parts lists relative to the equipment described in the present equipment subfile, in compliance with **GS EP EXP 205**.

5.17.11 Maintenance and inspection baseline

This chapter shall contain all commissioning and test reports performed on the installed equipment, as well as the baseline inspection results.

5.17.12 Background

This chapter should allow to find the description and the quantity of equipment ordered at the outset of the project. It includes one unpriced copy of the main purchase orders and suborders together with the technical characteristics, specifications and certificates.

6. Manufacturer grouping files

6.1 General

The technical files named « manufacturer groupings » describe all kinds of materials supplied by the same manufacturer however they are located in several systems. It concerns generally small materials, such as instruments. As far as possible, these files are sorted by speciality: electrical, mechanical, instrument, etc.

As a general rule, each of the chapters listed into the table of contents should begin with a recapitulative list of the included documents.

When necessary, this list shall indicate the reference of documents (drawing number for example) and their revision index. The objective is to perfectly trace the documents included into the Maintenance files.

6.2 Table of contents

The manufacturer grouping file begins with a table of contents a model of which (C1) is enclosed hereafter. The table of contents must represent all the manufacturers grouped in this part of the Maintenance files.

A manufacturer grouping file could include several volumes. In that case, the table of contents shall represent all the volumes which constitute this file.

6.3 List of manufacturer groupings

The list, drawn up on the base of Model C2, must comprise the names of all the manufacturers for which grouping files exist.

6.4 Manufacturer subfile

Each manufacturer forms a subfile. All subfiles must be composed in an identical manner.

6.4.1 Table of contents manufacturer N

Each manufacturer subfile must have the same standard table of contents. This is presented in Model C3 and must appear above each manufacturer subfile.

6.4.2 Equipment inventory

This section, created according Model C4, must include:

- the unpriced purchase order number,
- the name of the company who placed the order (COMPANY, CONTRACTOR or other),
- the tag number,
- the equipment designation and its main characteristics,
- the serial and reference numbers,
- the ordered quantity,
- the number of the system on which the equipment is to be found,
- the line or equipment on which the equipment is to be found (function),
- the PID number,
- a column for entering observations.

6.4.3 Other manufacturer subfile chapters

Their format is identical to the chapters already defined for the equipment subfiles.

- Operation, storage and cocooning instructions Identical to 6.7.5.
- Maintenance instructions Identical to 6.7.6.
- Lubrication sheets Identical to 6.7.7.

- Adjustment settings Identical to 6.7.8.
- Sectional view plans and detailed views Identical to 6.7.9.
- Spare Parts Lists Identical to 6.7.10.
- Background Identical to 6.7.11.

7. Spare parts file

This file shall contain all the spare part orders of the installation which are sorted in chronological order by their purchase order number.

At the outset of the file, there are two tables of orders lists:

- one list of unpriced purchase orders sorted by chronological order of numerous,
- one list of unpriced purchase orders sorted by alphabetical order of manufacturers or suppliers.

An extra column may be added to the second list in order to indicate the description of the purchase order's equipment.

8. RCM and RBI studies results

This file contains the results of the Reliability Centered Maintenance and Risk Based Inspection studies performed during the project.

The documents must be sufficient to trace all decisions made during the studies.

The documents format will be defined for each project.

9. List of Appendices

Revision sheet	Model A1
Table of contents of general presentation volume	Model A2
Table of contents of maintenance files	Model A3
List of systems/units	Model A4
Distribution of volumes per manufacturer	Model A5
Distribution of volumes per item of equipment	Model A6
List of manufacturers and suppliers	Model A7
Table of contents of the first volume per system	Model B1
List of functional location and item of equipment of system	Model B2
Table of contents of an item of equipment sub-file	Model B3
Items of equipment characteristics	Model B4
Lubrication sheet	Model B5
Adjustment settings	Model B6
Table of contents of manufacturer groupings	Model C1



List of manufacturers groupings

Model C2

Table of contents of a manufacturer grouping file

Model C3

Items of equipment inventory

Model C4



Appendix 1 MODEL A1

Revision sheet

Revision								
Nbr	Date	Tag number	Chapter	Page	Revision purpose	Issuer	Checked by	Approved by



Appendix 2 MODEL A2

Table of contents of general presentation dossier

Contact details of manufacturers and suppliers	
Validation of the files	
Distribution of volumes per item of equipment	
Distribution of volumes per functional location	
Distribution of volumes per manufacturer	
List of systems/units	
Table of contents of maintenance files	
Generalities	
Information about splitting of installations	
Table of contents of general presentation volume	1
	2
	3
	4
	5
	6
	7
	8
	9
	10

Company

Site

**GENERAL
PRESENTATION**

Job n°

VOLUME

Date



View in EDMS :

Item #	Section Name	Sub-Section Name	nn	Ref
1	Table of contents of general presentation volume			List of documents references;
2	Information about splitting of installations			List of documents references;
2.1	Information about splitting of installations	xxxx		List of documents references;
2.2	Information about splitting of installations	yyyy		List of documents references;
2.n				List of documents references;
3	Generalities			List of documents references;
4	Table of contents of maintenance dossiers			List of documents references;
5	List of systems/units			List of documents references;
6	Distribution of dossiers per manufacturer			List of documents references;
7	Distribution of dossiers per functional location			List of documents references;
8	Distribution of dossiers per item of equipment			List of documents references;
9	Validation of the dossiers			List of documents references;
10	Contact details of manufacturers and suppliers			List of documents references;
11	Spare parts			List of documents references;
11.1	Spare parts	Spare parts orders list		List of documents references;
11.n	Spare parts			List of documents references;
12	Methods			List of documents references;
12.1	Methods	RCM and RBI results		List of documents references;
12.n	Methods			List of documents references;

General presentation
from MIEC "CCCC"
Contract "NNNNN"

Appendix 3 MODEL A3

Sample table of contents of maintenance files

Level	Dossiers	Contents
System/Unit	AA-SSS-sssss-CCCC-NNNN	General presentation
	AA-SSS-sssss-CCCC-PPPPP-UUUUU	System/Unit 1 – Functional Location 1 to 4
	AA-SSS-sssss-CCCC-PPPPP-UUUUU	System/Unit 2 – Functional Location 1 to 3
		System/Unit S – Functional Location 1 to 5
Manufacturer groupings	AA-SSS-sssss-CCCC-MMMMM	Manufacturer A
		Manufacturer B
		Manufacturer M
Spare Parts	N-1	Spare Parts Orders List
Methods	N	RCM and RBI results



Appendix 4 MODEL A4

Company:

Site:

Sector:

Model A4

Chapter:

Page:

Date:

Revision:

List of Systems/Units

System/Unit	Description	PID or schema	Dossier
EXT/EWELL	Wells Well control panels Pumping	AA001 A AA001 B	AA-SSS-sssss- CCCC-EXT- EWELL
OIL/SEP	Separation and treatment Test separator DS 303 Separators DS 301-DS 302	AA002 AA002 AA007	AA-SSS-sssss- CCCC-OIL-SEP
COF/FO	Fuel storage	AA013	
OIL/TRANS	Oil expedition	AA003	
ELE/PWD	HV electricity Transformers 30 kv/5,5 kv Transformers 30 kv/380 v Switchboard 30 kv and 5,5 kv	Schéma unifilaire	AA-SSS-sssss- CCCC-ELE-PWD
ELE/PWD	LV electricity Switchboard 380 v and 220 v Electric generator - Charger and inverter Chargers 48 v - Distribution Chargers 12 v - Distribution		
CRS/FWAT	Fire water	AA008	
CRS/AIR	Service & instrument air	AA012	



Appendix 5 MODEL A5

Company:

Site:

Sector:

Model A5

Chapter:

Page:

Date:

Revision:

Distribution of volumes per manufacturer/suppliers

Suppliers Manufacturers	Tag number	System/Unit		Manufacturer grouping file		N° volume
		n°	Chapter	Speciality	Chapter	
ABB	NF301/30 2	24	7	ELE.	1	10
ACEBIT						7
AGAR		1	7	INS.	1	11
AMRI				ROB	1	14
AUTOCON		27	9			2
AUTOCHIM						8
AUXITROL		29	10	INS.	2	11
BAILEY SEREG						8
BERGERAT		8				4
MONNOYEUR		19				6
BOUILLET	NF303/30 4	13	7	INS.	3	12
BOURDON						4
BRAN LUBBE		1	7	ROB.	2	14
CAI						2
CEGELEC		27	9	ELE.	2	10
CEN	DG301/30 6 TA801/80 2	4	8			2
CENTRILIFT		13	9			8
CERBERUS GUINARD				ROB.	5	15
CIPEG						3
CITBA						4



Appendix 6 MODEL A6

MODEL A6

Company:

Site:

Sector:

Chapter:

Page:

Date:

Revision:

Distribution of volumes per item of equipment

Item of equipment identification number	Functional location tag	System/Unit	Volume	Manufacturer or supplier



Appendix 7 MODEL A7

Model A7

List of manufacturers and suppliers

Job n:

Call for tender n:

Order n:

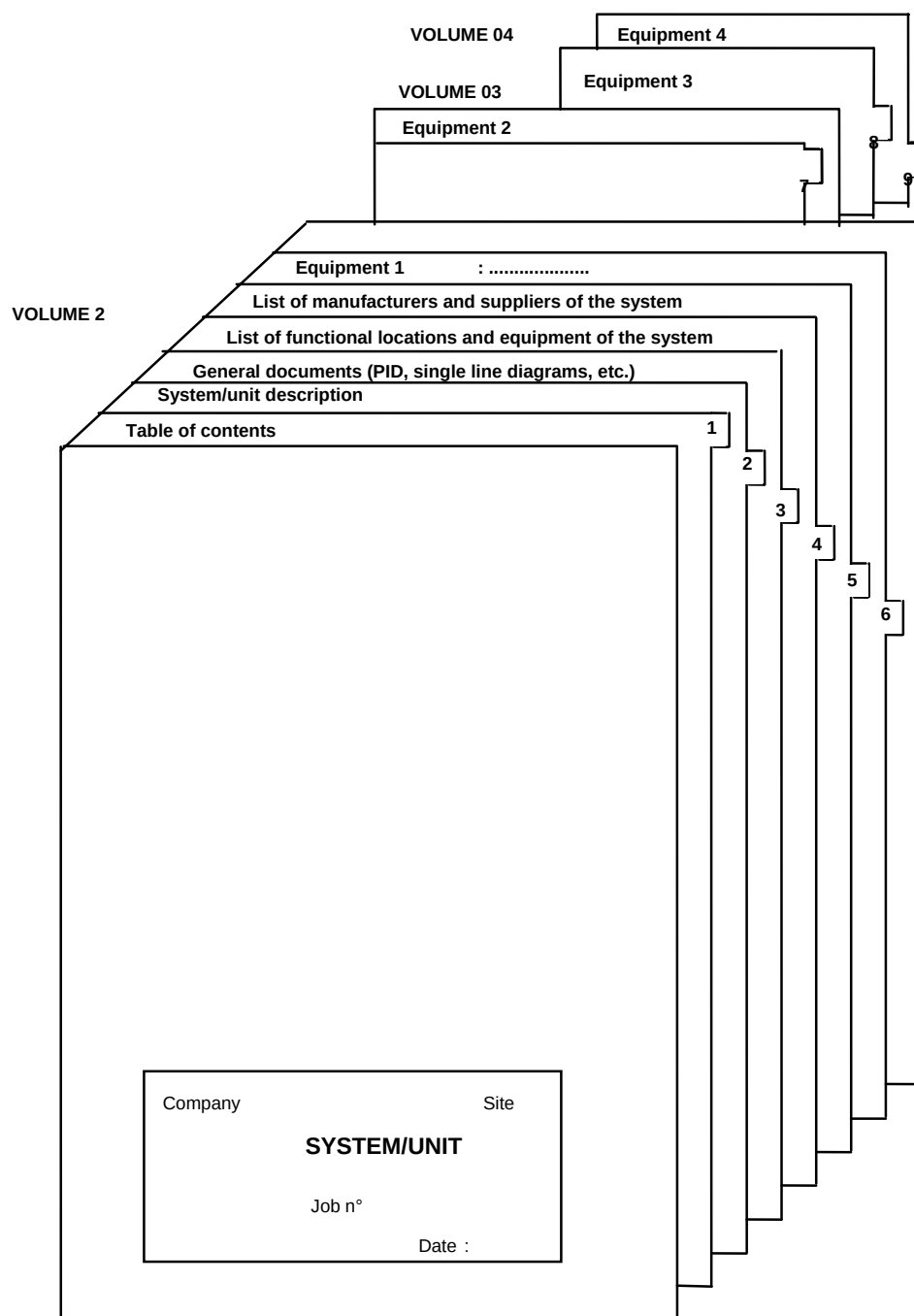
Supplier	Address	City	Post code	Country	Contact person	Telephone	Fax	Telex	Supplied equipment



Appendix 8 MODEL B1

Model B1

Table of contents of the first volume per system/unit





Item #	Section Name	Sub-Section Name	nn	Ref
1	Table of content			List of documents references;
2	System-Unit description			List of documents references;
3	General documents (PID, single line diagrams, etc, ...)			List of documents references;
4	List of functional locations and equipment of system			List of documents references;
5	List of manufacturers and suppliers of the system			List of documents references;
6	System-Unit-Tag1			List of documents references;
6.1	System-Unit-Tag1	Table of contents		List of documents references
6.2	System-Unit-Tag1	Identification sheet		List of documents references
6.3	System-Unit-Tag1	Equipment characteristics		List of documents references
6.4	System-Unit-Tag1	Characteristics of the equipment		List of documents references
6.5	System-Unit-Tag1	Plans and diagrams of the skid		List of documents references
6.6	System-Unit-Tag1	Operation, storage and cocoonong instructions		List of documents references
6.7	System-Unit-Tag1	Maintenance instructions		List of documents references
6.8	System-Unit-Tag1	Lubrication sheet		List of documents references
6.9	System-Unit-Tag1	Adjustement settings		List of documents references
6.1	System-Unit-Tag1	Sectional view plans and detailed view		List of documents references
6.11	System-Unit-Tag1	Spare parts lists		List of documents references
6.12	System-Unit-Tag1	Background		List of documents references
6.13	System-Unit-Tag1	Maintenance and inspection baseline		List of documents references
7	System-Unit-Tag2			List of documents references
7.1	System-Unit-Tag2	Table of contents		List of documents references
7.2	System-Unit-Tag2	Identification sheet		List of documents references
7.3	System-Unit-Tag2	Equipment characteristics		List of documents references
7.4	System-Unit-Tag2	Characteristics of the equipment		List of documents references
7.5	System-Unit-Tag2	Plans and diagrams of the skid		List of documents references
7.6	System-Unit-Tag2	Operation, storage and cocoonong instructions		List of documents references
7.7	System-Unit-Tag2	Maintenance instructions		List of documents references
7.8	System-Unit-Tag2	Lubrication sheet		List of documents references
7.9	System-Unit-Tag2	Adjustement settings		List of documents references
7.1	System-Unit-Tag2	Sectional view plans and detailed view		List of documents references
7.11	System-Unit-Tag2	Spare parts lists		List of documents references
7.12	System-Unit-Tag2	Background		List of documents references
7.13	System-Unit-Tag2	Maintenance and inspection baseline		List of documents references
8	System-Unit-Tag3			List of documents references
	System-Unit-Tag3	Table of contents		List of documents references
	System-Unit-Tag3	Identification sheet		List of documents references
	System-Unit-Tag3	Equipment characteristics		List of documents references
	System-Unit-Tag3	Characteristics of the equipment		List of documents references
	System-Unit-Tag3	Plans and diagrams of the skid		List of documents references
	System-Unit-Tag3	Operation, storage and cocoonong instructions		List of documents references
	System-Unit-Tag3	Maintenance instructions		List of documents references
	System-Unit-Tag3	Lubrication sheet		List of documents references
	System-Unit-Tag3	Adjustement settings		List of documents references
	System-Unit-Tag3	Sectional view plans and detailed view		List of documents references
	System-Unit-Tag3	Spare parts lists		List of documents references
	System-Unit-Tag3	Background		List of documents references
	System-Unit-Tag3	Maintenance and inspection baseline		List of documents references



Appendix 9 MODEL B2

Company:

Site:

Sector:

Model B2

Chapter:

Page:

Date:

Revision:

System/Unit CRS/AIR: service and instrument air List of functional locations

Tag number	Description	Manufacturer	Reference	Sub-file n°
UA 6001	Air compression unit	Fluides Service	ACDD 60	
KX 6001-	Electro-compressor	Creyssensac	V 110 A D20S	
K 6001-	Compressor	Creyssensac	V 110 A	
X 6001-A	Electrical motor	ABB	D20S MEDS	
EV 1	Electrovalve	Joucomatic	125 00 008	
KX 6001-	Electro-compressor	Creyssensac	V 110 A D20S	
K 6001-	Compressor	Creyssensac	V 110 A	
X 6001-	Electrical motor	ABB	D20S MEDS	
EV 2	Electrovalve	Joucomatic	125 00 008	
A	Dryer	Deltech	ZW 65	
FH 1	Filter deoiler	Deltech	813	
DGP 1	Differential manometre	Deltech		
ROV 1-A	Pneumatic valve	Burckert	251B20EG3/4	
ROV 2-A	Pneumatic valve	Burckert	251A13EG1/2	
ROV 3-A	Pneumatic valve	Burckert	251A13EG1/2	
ROV 4-A	Pneumatic valve	Burckert	251B20EG3/4	
FD 1	Filter	Deltech	851PF	
B	Dryer	Deltech	ZW 65	
FH 2	Filter deoiler	Deltech	813	
DGP 2	Differential manometre	Deltech		
ROV 1-B	Pneumatic valve	Burckert	251B20EG3/4	
ROV 2-B	Pneumatic valve	Burckert	251A13EG1/2	
ROV 3-B	Pneumatic valve	Burckert	251A13EG1/2	
ROV 4-B	Pneumatic valve	Burckert	251B20EG3/4	
FD 2	Filter	Deltech	851PF	



Appendix 10 MODEL B3

Company:

Site:

Sector:

Model B3

Chapter :

Page :

Date :

Revision :

Table of contents of an equipment sub-file

Maintenance and inspection baseline	
Background	
Spare parts lists	
Sectional view plans and detailed views	
Adjustment settings	
Lubrication sheet	
Maintenance instructions	
Operation, storage and cocooning instructions	
Plans and diagrams of the skid	
Characteristics of the equipment	
Equipment characteristics	
Identification sheet	
Table of contents	
	1
	2
	3
	4
	5
	6
	7
	8
	9
	10
	11
	12

Company

Site

SYSTEM/UNIT N°

EQUIPMENT

Job n°

Date :



Appendix 11 MODEL B4

Company:

Site:

Sector:

Model B4

Chapter:

Page:

Date:

Revision:

Functional location or equipment characteristics

Screw pump

- Make
- Type
- Serial number
- Fluid
- Flowm³/h
- Manometric heightmwc
- Suction pressure bar
- Exhaust pressure bar
- Length of driving screw mm
- Number of drive screws
- Body material
- Screw material
- Discharge pressure bar
- Reducer type
- Rotation speed RPM
- Absorbed power kW
- Lubrication type
- Lubricant quantity gr
- Diametre of driving shaft mm



Appendix 12 MODEL B5

Lubrication sheet

KB 801 A/B

Tag number	Function	Maker/ Type	Lubrication point	O/G	Lubricant		First drain	Filling make up	Drain	Observations
					Volume	Quality				
KB 801 A/B	Air compressor	CREYSENSAC ROLLAIR 50 HN	Oil pan	O	28 L	DACNIS VS 46	500 H	Week	2000 H	No-grease bearings
KX 801 A/B	Electrical motor of air comp.	ABB D20/ MEDL200 L2	Driving shaft end	G	EPEXA 2		NA	NA	4000 H	
KX 802 A/B	Electrical motor of fan cooler	ABB D20/ MEDL90 L2	NA		NA				NA	
				O = Oil G = Grease			NA : not applicable			Oil analysis Pan cleaning



Appendix 13 MODEL B6

Model B6

Company:

Site:

Sector:

Adjustment settings

System/Unit:

Equipment:

Chapter:

Page:

Date:

Revision:

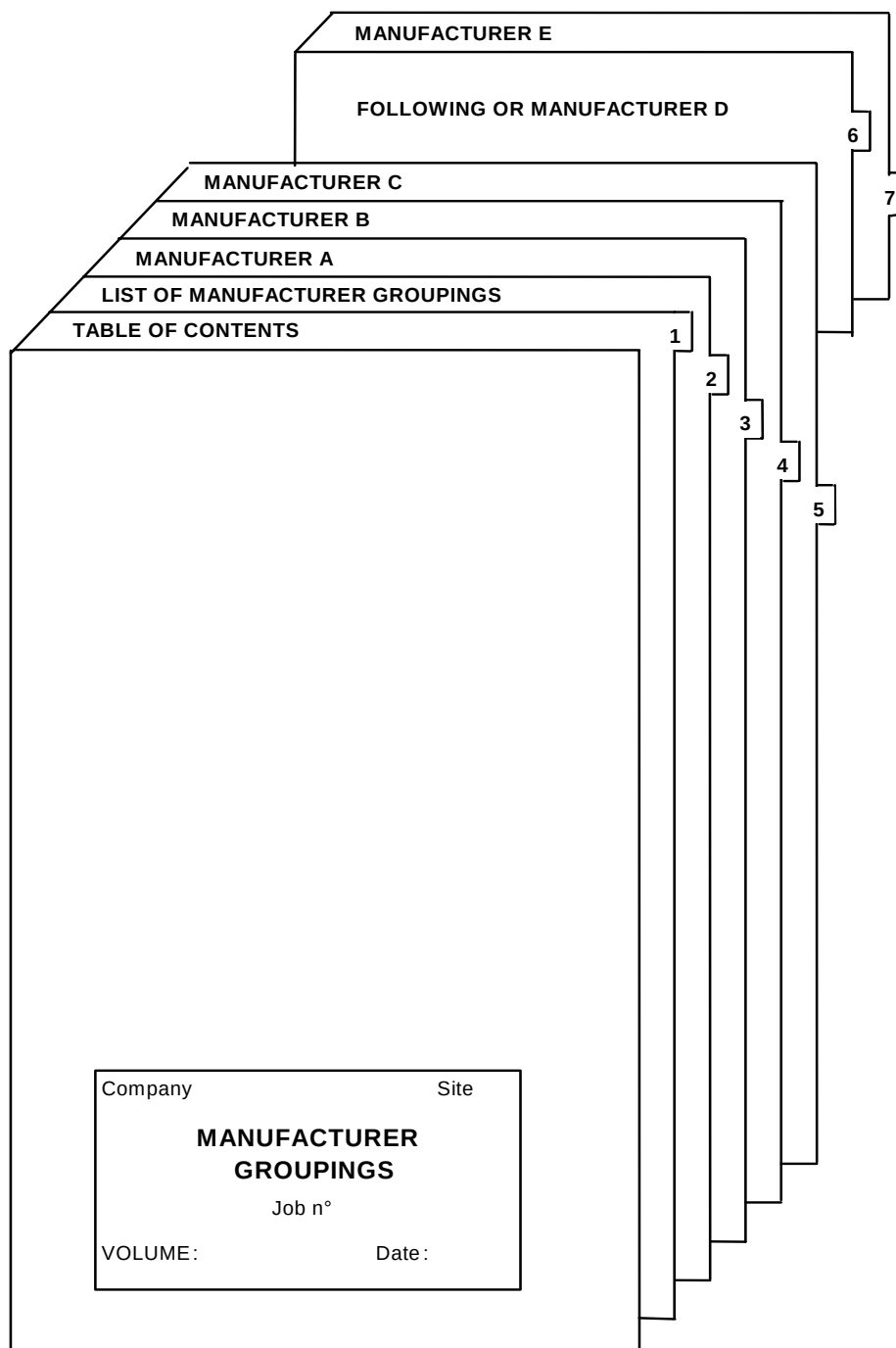
Tag number	Contents	Setting band	Setting point	Date/Visa	Adjusted by



Appendix 14 MODEL C1

Model C1

Table of contents of manufacturers groupings





Appendix 15 MODEL C2

Model C2

Company:

Site:

Sector:

Chapter:

Page:

Date:

Revision:

List of manufacturers groupings

Manufacturers	Equipment description	Volume n°



Appendix 16 MODEL C3

Model C3

Table of contents of a manufacturer grouping file

Background	
Spare parts lists	
Sectional view plans and detailed views	
Adjustment settings	
Lubrication sheet	
Maintenance instructions	
Operation, storage and cocooning instructions	
Equipment inventory	
Table of contents manufacturer N	1
	2
	3
	4
	5
	6
	7
	8

Company

Site

PRESENTATION

..... N

Job n°

VOLUME

Date :



Exploration & Production

General Specification

Date: 09/2009

GS EP EXP 203

Rev: 03

Appendix 16

Model C4

Company:

Equipment inventory

Chapter:

Site:

Page:

Sector:

Supplier : MASONEILAN

Date:

Revision:

Purchase order n° and supplier	Tag number	Contents	Reference Serial n°	Number	System	Function	PID	Remarks
490400 Masoneilan	LCV 2201	Control valve Varipack B square-type 1"6000RTJ CV=0,6 made inox linear check valve stell with positionneur 7700	28-28 16084 1"600RTJ CV=0,06 7700 62654505-1	1	C02	Condensate line 2" HN117	AA001	
490400 Masoneilan	LCV 1001	Control valve II type straigh 1"½ x 0,6 300 RF carbone steel make with positionneur 4610	35-35202 1"½ x 0,6 300 RF 4612 62654510-1	1	B03	Intake test DS 1001	AA002	
490400 Masoneilan	PDCV 2001	Control valve Camflex II type straigh 1"½ x 0,6 300RF carbone steel make with positionneur 4610	35-35202 1"½ x 0,6 300 RF 4612 62654509-1	1	B03	Output test DS 1001	AA002	
490400 Masoneilan	LDCV 1010	Control valve 2"300RF square-type anti-cavitation model VRT	38-78002 2"300 RF 7401-802	1	D05	Oil expediting	AA004	