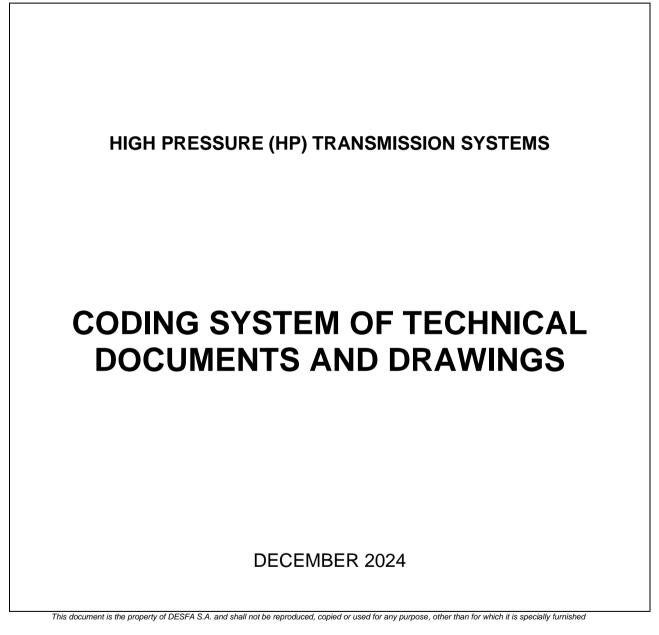
δesfa	Hellenic Gas Transmission System Operator S.A. 357-359 Messogion Av., GR 152 31 Halandri Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr		TECHNICAL SPECIFICATION
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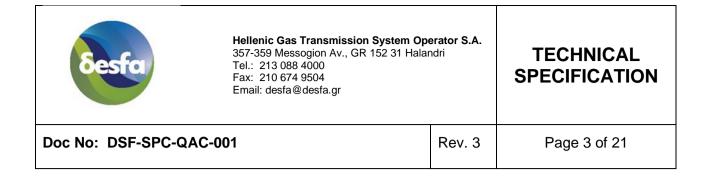


3	Forth Issue	12-12-2024	DA	DK	TPI
2	Third Issue	13-10-2023	DA	DK	TPI
1	Second Issue	30-06-2021	DA	DK	TPI
0	First Issue	05-04-2011	PQ DPT.		V.G.
REV	DESCRIPTION	DATE	PRPD	CHKD	APVD



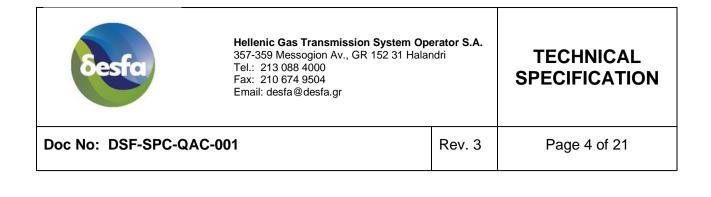
### **REVISION HISTORICAL SHEET**

Rev.	Date	Description
0	05/04/2011	First Issue
1	30/06/2021	Second Issue validated from TPI
2	13/10/2023	



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# **REFERENCE DOCUMENTS**

Job Specification : DSF-SPC-CIV-004 (Measuring Up and As Built Documentation)

## **1 SCOPE AND OBJECTIVES**

This specification concerns the preparation and implementation of a coding system for all Technical documents, Specifications and Drawings of DESFA's Projects, in order to ensure the continuity of coding of all documents and drawings.

## 2 CODING

The coding of the all Technical documents, Specifications and Drawings shall be in accordance with the following encoding system.

## 2.1 Coding of Technical Documents (except Specifications)

Each **Technical document**, except a specification, which is produced during a project, it takes a unique code according to the following structure:

	A	В	С	D	E	F
STRUCTURE OF TECHNICAL DOCUMENT CODE	Project Code	Document Resource	Unit	Subject Area	Classification of Documents	Serial Number of Documents
INDICATIVE RATES	(Work Instruction 04.01)	XXXX 8XXX 9XXX	XXX GEN	ххх	ххх	XXX/XX

	δesfa	Hellenic Gas Transmission System Operator S.A. 357-359 Messogion Av., GR 152 31 Halandri Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr		TECHNICAL SPECIFICATION	
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Where:

**A**: The code of the project for which the document is issued, as it is defined by the Owner (e.g. DSF-xxxxxxx).

**B:** Number indicating the origin of the document and takes the following numbering:

- xxxx: owner contract number for the documents issued by the contractor.
- 8xxx: for the documents issued by the Owner in terms of the Project.
- 9xxx: for the documents issued by the Owner for the Project but they do not consist part of the requirements of the Project, or the documentation for its implementation.

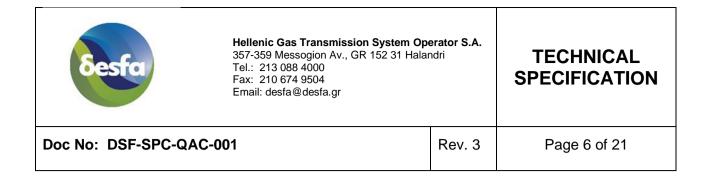
C: Unit Number taking the following rates

- XXXX: indicates the unique code of the pipeline or its stations, for which the document is issued, as defined by the Owner.
- GEN: for the documents that refer to more than one pipeline, or stations.

D: Indicates the Subject Area of the Document. Values of this part of coding are listed in Annex1.

E: Indicates the classification of the document. Values of this part of coding are listed in Annex2.

**F**: Serial number for documents with the same combination as the above mentioned having the structure XXX / XX with the second part related to the existence of different sheets of a document.



An illustrative example of the application is included in the following table

	Α	В	С	D	E	F
STRUCTURE OF TECHNICAL DOCUMENT CODE	Project Code	Document Resource	Unit	Subject Area	Classification of Documents	Serial Number of Documents
CODE	DSF- 1101401	1475	6300	ENV	STU	001

The specific document with code **DSF-1101401-1475-6300-ENV-STU-001** is related to the Environmental Impact Study of HP Pipeline to Aliveri, which was elaborated under the Contract 1475/06.

## 2.2 Coding of Specifications

Every Technical Specification issued during the implementation of a project is identified with a unique document code which has the structure shown in the following table:

	Α	В	С	D	E
STRUCTURE OF TECHNICAL SPECIFICATIONS	Project Code	Document Resource	Classification of Documents	Subject Area	Serial Number

Doc No: DSF-SPC-QAC-001 Rev. 3 Page 7 of 21	δesfa		Fax: 210 674 9504			
	Doc No: DSF-SPC-Q	AC-001	Rev. 3	Page 7 of 21		

INDICATIVE RATES	(Work Instruction - 04.01)	XXXX 9000 8XXX	SPC	ХХХ	1XX 2XX	
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Where,

**A**: The code of the project for which the document is issued, as it is defined by the Owner (e.g. DSF-xxxxxxx)

In case that a technical specification is generally applicable to Natural Gas Projects is defined as DSF-1000000.

**B**: Number indicates the resource (publisher) and the range of specification as:

• XXXX: for technical specifications issued by a Contractor for a specific project, based on the contract number (that DESFA and the Contractor have) e.g. 1475 for Technical Specifications issued under 1475-06 Contract.

• 8XXX: serial number for Technical Specifications issued by the Departments of the Division by the Owner and related to a specific Project (e.g. 8001, 8002, etc.).

• For Technical Specifications issued by the **Owner** that are generally applicable to gas projects, Specifications Code Numbers should be structured as follows:

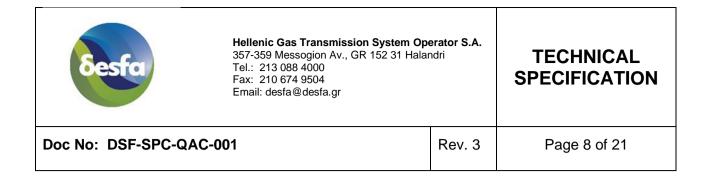
DSF-SPC- Subject Area – Serial Number.

**C**: Default symbols take the standard value SPC thus indicating that the specific code is related to Technical Specifications.

D: Indicates the Subject Area of the Document. Values of this part of coding are listed in Annex 1.

E: Serial number, (depending on the type of Technical Specifications) takes values

• 1XX for Material Specifications



• 2XX for Job Specifications.

An illustrative example of the application is included in the following table

	Α	В	С	D	E
STRUCTURE OF TECHNICAL SPECIFICATION	Project Code	Document Resource	Classification of Documents	Subject Area	Serial Number
INDICATIVE RATES	DSF- 1101401	8001	SPC	ENV	201

The specific document with code **DSF-1101401-8001-SPC-ENV-201** is related to Job Specification for the Environmental Studies that was issued by the relevant Department of DESFA for the HP Pipeline to Aliveri.

### 2.3 Coding of Drawings

Each **Drawing**, which is produced during a project, it takes a unique code according to the following structure:

	Α	В	С	D	Е	F
STRUCTURE						
OF DRAWINGS CODES	Project Code	Document Resource	Unit	Classification of Drawings	Size	Serial Number

<u>δesfa</u>	Hellenic Gas Transmission System Op 357-359 Messogion Av., GR 152 31 Hala Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr		TECHNICAL SPECIFICATION
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INDICATIVE RATES	(Work Instruction - 04.01)	XXXX 8XXX 9XXX	XXXX GEN STD	XX/XX	х	xxx/xx
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#### Where:

**A**: The code of the project for which the document is issued, as it is defined by the Owner (e.g. DSF-xxxxxxx).

**B:** Number indicating the origin of the document and takes the following numbering:

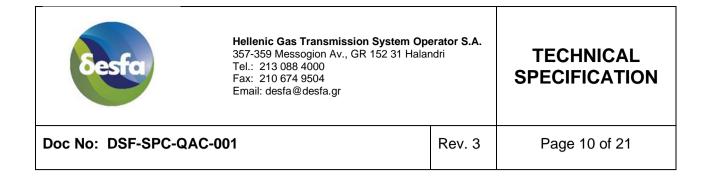
- xxxx: owner contract number for the documents issued by the contractor.
- 8xxx: for the documents issued by the Owner in terms of the Project.
- 9xxx: for the documents issued by the by the Owner for the Project but they do not consist part of the requirements of the Project, or the documentation for its implementation.

C: Unit Number taking the following rates

- XXXX: indicates the unique code of the pipeline or its stations, for which the document is issued, as defined by the Owner.
- GEN: for the documents that refer to more than one pipeline, or stations.
- STD: for Standard Drawings
- For Standard Drawings issued by the Owner that are generally applicable to gas projects, STD Drawings Code Numbers should be structured as follows:
  DSF-STD- Classification of Drawings – Size - Serial Number.

**D:** Number indicating the Classification of the drawings. . Values of this part of coding are listed in **Annex 3**.

The second part concerning the category 55 =, it takes the following values



- 01: Recording Plans
- 02: Longitudinal Plans

**E:** Series of symbols indicating the size of the drawing. It takes the following values:

- 0: For typical size A0
- 1: For typical size A1
- 2: For typical size A2
- 3: For typical size A3
- 4: For typical size A4
- N: For non typical size

**F:** Serial number of the structure XXX takes values:

- for isometric drawings: based on the line number for which the Drawing is issued
- for Drawings of Category 03: depending on the type of Drawing, as follows:
  - o 001, 002, etc.: Engineering Flow Diagrams.
  - o 101, 102, etc.: Process Flow, Utility Balance, Block Flow Diagrams.
  - o 201, 202, etc.: Materials of Construction Diagrams.
  - o 301, 302, etc.: Design Pressure / Temperature Diagrams.
  - o 401,402, etc.: Packaged Unit Diagrams.
  - For the rest: serial number
- An illustrative example of the application is included in the following table

	Α	В	С	D	E	F
STRUCTURE OF DRAWINGS CODES	Project Code	Document Resource	Unit	Classification of Drawings	Size	Serial Number

δesfa	Hellenic Gas Transmission System Op 357-359 Messogion Av., GR 152 31 Halar Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr		TECHNICAL SPECIFICATION
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		1	

INDICATIVE RATES	DSF- 1101401	1555	6300	93	2	001
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This project, with code **DSF-1101401-1555-6300-93-2-001** is referred to Topographical Drawing with scale 1:5000, size A2, prepared for the HP Pipeline to Aliveri under the Contact 1555/06.

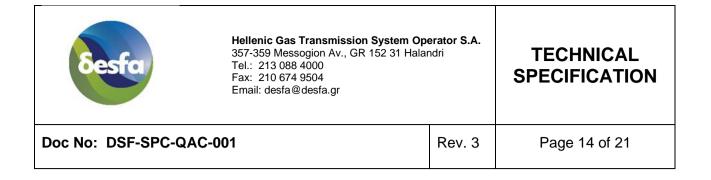
<b>δesfa</b>	Hellenic Gas Transmission System Ope 357-359 Messogion Av., GR 152 31 Halar Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr		TECHNICAL SPECIFICATION
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# **APPENDIX 1**

<b>δesfa</b>	Hellenic Gas Transmission System Op 357-359 Messogion Av., GR 152 31 Halar Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr		TECHNICAL SPECIFICATION
Doc No: DSF-SPC-QA	C-001	Rev. 3	Page 13 of 21

#### List of Code Values for the subject of Technical Documents and Specifications

- ADM Administration ARC Architectural CIV Civil (Earthworks & Concrete Structures) СОМ Commercial CON Construction CPR Cathodic Protection DCC Document Control ELE Electrical ENV Environmental GEL Geoelectrical GEO Geological GET Geotechnical
- **INS** Instrumentation
- MAC Machinery (Rotating Mechanical)
- MEC Mechanical
- PCE Project Cost Estimation
- PCO Project Control
- PER Permits
- **PIP** Piping (other than Natural Gas Service, Utilities)
- PLN Pipeline (Natural Gas Service)
- **PRC** Procurement



- PRJ Project Engineering
- PRM Project Management
- PRS Process
- **QAC** Quality Assurance / Control
- SAF Safety
- SEI Seismic
- **STA** Stress Analysis
- **STR** Structural (Steel Structures)
- **TLC** Telecommunications (including RCC / SCADA / LMR / FT)
- **TOP** Topographical

δesfa	Hellenic Gas Transmission System Ope 357-359 Messogion Av., GR 152 31 Halar Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr		TECHNICAL SPECIFICATION
Doc No: DSF-SPC-Q	AC-001	Rev. 3	Page 15 of 21

# **APPENDIX 2**

δesfa	Hellenic Gas Transmission System Operator S.A. 357-359 Messogion Av., GR 152 31 Halandri Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr		TECHNICAL SPECIFICATION
Doc No: DSF-SPC-Q	AC-001	Rev. 3	Page 16 of 21

#### List of Code Values for the category of Technical Documents

- BUD Budget
- CAT Catalogue
- CER Certificate
- **CES** Cost Estimation
- CHT Chart
- CLC Calculation
- CON Contract
- DAB Data Book
- DAT Data Sheet
- **DES** Description (Technical)
- **IND** Index
- LIC License
- LST List
- MAN Manual
- MST Method Statement
- MTO Material Take Off
- PHL Philosophy
- PLN Plan
- PRC Procedure
- PUR Purchase Order
- REG Register



- REP Report
- **REQ** Requisition
- SCH Schedule
- SHT Sheet
- **SOS** Scope of Services
- SOW Scope of Works
- STU Study
- TAB Table, Tabulation
- GEN General Document

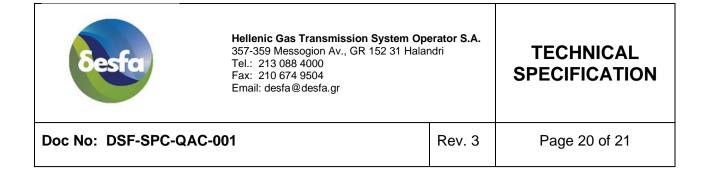
δesfa	Hellenic Gas Transmission System Op 357-359 Messogion Av., GR 152 31 Halar Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr		TECHNICAL SPECIFICATION
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# **APPENDIX 3**

δesfa	Hellenic Gas Transmission System Op 357-359 Messogion Av., GR 152 31 Hala Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr	<b>erator S.A.</b> ndri	TECHNICAL SPECIFICATION
Doc No: DSF-SPC-QA	\C-001	Rev. 3	Page 19 of 21

## List of Code Values for the category of Drawings

Plot Plan and elevations:	01
Model:	02
Process Flow Diagrams:	03
Engineering Flow Diagrams (Process Issue):	03
Other Process Diagrams:	03
Towers:	11
Pressure Vessels:	11
Storage Tanks (Atmospheric):	11
Pipeline Mechanical Details:	11
Heat Exchangers:	21
Geological drawings:	40
Site Development drawings-Paving:	41
Concrete Structures:	43
Foundations:	43
Sewer System:	45
Steel Structures:	46
Buildings:	47
Engineering Flow Diagrams (Project Issue):	50
A/G Piping Arrangement drawings	
(incl. Firefighting & Pump-out dwgs):	51
Piping Isometrics:	52



Pipeline plans & Longitudinal sections:	55
Piping Layout:	56
Pipeline Crossings:	58
Pipe Supports:	59
Instrument drawings:	65
Fixed Telecommunication:	67
Underground Electrical drawings:	71
Electrical power Distribution, Area	
Classification:	73
Electrical Lighting drawings:	74
Electrical Communication and Fire Alarm:	75
Cathodic Protection:	78
Water Supply:	81
Sewer System:	<mark>82</mark>
Fire Fighting:	<mark>83</mark>
Plant Air System:	85
HVAC System:	<mark>86</mark>
Crane Bridge:	87

δesfc	Hellenic Gas Transmission System Op 357-359 Messogion Av., GR 152 31 Hala Tel.: 213 088 4000 Fax: 210 674 9504 Email: desfa@desfa.gr		TECHNICAL SPECIFICATION
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Survey dwgs - Scale 1:1000:	91
Survey dwgs – Details:	92
Survey dwgs - Scale 1:5000:	93
Survey dwgs - Scale 1:50000:	94
Survey maps:	95