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**Petroleum and natural gas industries —
Flexible pipe systems for subsea and
marine riser applications**

iTeh STANDARD PREVIEW

*(Industries du pétrole et du gaz naturel — Systèmes de canalisations
flexibles pour applications sous-marines et en milieu marin)*

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Reference number
ISO 10420:1994(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 10420 was prepared by the American Petroleum Institute (API) (as RP 17B, 1st edition) and was adopted, under a special "fast-track procedure", by Technical Committee ISO/TC 67, *Materials, equipment and offshore structures for petroleum and natural gas industries*, in parallel with its approval by the ISO member bodies.

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Introduction

International Standard ISO 10420:1994 reproduces the content of API RP 17B, 1st edition, 1988. ISO, in endorsing this API document, recognizes that in certain respects the latter does not comply with all current ISO rules on the presentation and content of an International Standard. Therefore, the relevant technical body, within ISO/TC 67, will review ISO 10420:1994 and reissue it, when practicable, in a form complying with these rules.

This standard is not intended to obviate the need for sound engineering judgement as to when and where this standard should be utilized and users of this standard should be aware that additional or differing requirements may be needed to meet the needs for the particular service intended.

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Standards referenced herein may be replaced by other international or national standards that can be shown to meet or exceed the requirements of the referenced standards.

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Petroleum and natural gas industries — Flexible pipe systems for subsea and marine riser applications

1 Scope

This International Standard provides guidelines for the design, analysis, testing, storage, handling and installation of flexible pipe systems used in a variety of offshore oil production applications.

2 Requirements

Requirements are specified in:

“API Recommended Practice 17B (RP 17B), 1st edition, June 1, 1988 — *Recommended Practice for Flexible Pipe*”

which is adopted as ISO 10420.

For the purposes of international standardization, however, modifications shall apply to specific clauses and paragraphs of publication API RP 17B. These modifications are outlined below.

Page 9

Information given in the POLICY is relevant to the API publication only.

Page 10

Subclause 1.2, Applicable standards

API standards referenced in subclause 1.2 and listed hereafter are available under the following ISO references:

API BUL 5C3 as ISO 10400

API RP 6G as ISO 10406

Page 41

Section 8, References

This section is informative. The documents listed therein constitute a bibliography.

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Recommended Practice for Flexible Pipe

API RECOMMENDED PRACTICE 17B (RP 17B)
FIRST EDITION, JUNE 1, 1988

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TABLE OF CONTENTS

	Page
FOREWORD	4
POLICY	5
SECTION 1 — GENERAL	
1.1 Scope	6
1.2 Applicable Standards	6
SECTION 2 — DEFINITIONS AND ABBREVIATIONS	
2.1 Definitions	7
2.2 Abbreviations	8
SECTION 3 — SYSTEM DESCRIPTION	
3.1 Scope	9
3.2 Applications	9
3.3 Construction Types	9
3.3.1 Non-bonded Construction	9
3.3.2 Bonded Construction	9
3.4 End Fittings	9
3.5 Bend Limiters	9
3.6 Bend Stiffeners	9
3.7 Buoyancy Devices	10
SECTION 4 — OPERATIONAL REQUIREMENTS AND DESIGN CONSIDERATIONS	
4.1 Scope	13
4.2 General	13
4.3 Mechanical Considerations	14
4.3.1 Dimensional	14
4.3.2 Internal Pressure	14
4.3.3 Collapse	14
4.3.4 Tensile Load	14
4.3.5 Flexibility	15
4.3.6 Minimum Bend Radius	15
4.3.7 Weight and Buoyancy	15
4.3.8 Torsion	15
4.3.9 Rapid Decompression	15
4.4 Transported Fluid Considerations	15
4.4.1 Temperature Limits	15
4.4.2 Fluid Properties	15
4.4.3 Fluid Velocity	15
4.4.4 Pipe Roughness	16
4.5 External Environment Considerations	16
4.5.1 Temperature Limits	16
4.5.2 Fire Resistance	16
4.5.3 External Protection	16
4.5.4 Anti-fouling	16
4.5.5 Environmental Conditions	16

TABLE OF CONTENTS (continued)

	Page
4.6	Other Considerations 16
4.6.1	Static or Dynamic Application 16
4.6.2	Thermal Insulation 16
4.6.3	On-Bottom Behavior 16
4.6.4	Trenching 16
4.6.5	Pigging/TFL Requirements 16
4.6.6	Service Life 16
4.6.7	End Fitting 17
4.6.8	Bend Limiter/Stiffener 17
4.6.9	Permeability 17
4.6.10	Electrical Continuity 17
4.6.11	Structural Damping 17
4.6.12	Appurtenances 17
SECTION 5 — ANALYSIS CONSIDERATIONS	
5.1	Scope 18
5.2	Analysis Objectives 18
5.3	Analysis Parameters 18
5.3.1	Pipe Characteristics 18
5.3.2	Operational Data 18
5.4	Analysis Procedures 19
5.4.1	General 19
5.4.2	System Static Analysis 19
5.4.3	System Dynamic Analysis 19
5.4.4	Local Stress Analysis 20
5.4.5	Component Analysis 20
5.4.6	Flow-Induced Motion Analysis 20
5.4.7	Service Life Analysis 20
SECTION 6 — QUALITY ASSURANCE AND QUALITY CONTROL	
6.1	General 21
6.2	Quality Assurance of Design 21
6.3	Quality Assurance of Procurement 21
6.4	Quality Assurance of Processing 21
6.4.1	Welding 21
6.4.2	Repair of Defects 21
6.4.3	Marking of Pipe 21
6.5	User Inspection 21
6.5.1	Scope 21
6.5.2	General 21
6.5.3	Documentation 22
6.5.4	Acceptance Tests 22
6.5.5	Test Certificates 22
6.6	Testing 22
6.6.1	General 22
6.6.2	Prototype Tests 22
6.6.3	Acceptance Tests 23
6.6.4	Special Tests 29

TABLE OF CONTENTS (Continued)

	Page
SECTION 7 — STORAGE, HANDLING, TRANSPORTATION AND INSTALLATION	
7.1 Scope	34
7.2 Storage	34
7.2.1 Reels	34
7.2.2 Baskets	34
7.2.3 Crates/Pallets	34
7.2.4 Storage Conditions	34
7.3 Handling and Transportation	34
7.4 Installation	34
7.4.1 Installation Methods and Equipment	34
7.4.2 Installation Loads	35
7.4.3 Intermediate Connections	36
7.4.4 Retrieval for Reuse	36
SECTION 8 — REFERENCES	37

RECOMMENDED PRACTICE FOR FLEXIBLE PIPE
FOREWORD
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