

INTERNATIONAL
STANDARD

ISO
13880

First edition
1999-10-15

**Petroleum and natural gas industries —
Content and drafting of a technical
specification**

*Industries du pétrole et du gaz naturel — Rédaction et contenu
d'une spécification technique*



Reference number
ISO 13880:1999(E)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 13880 was prepared by Technical Committee ISO/TC 67, *Materials, equipment and offshore structures for petroleum and natural gas industries*.

Annex A of this International Standard is for information only.

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Introduction

When a user/purchaser wishes to procure a product, process or service, the user/purchaser may produce a functional specification. If so, the manufacturer/supplier provides a technical specification as the basis for manufacturing or execution. The user/purchaser decides on the extent to which it is necessary to determine, directly or indirectly, that relevant requirements are fulfilled and states this in the contract with the manufacturer/supplier. A technical specification may not be necessary for a known standard product, process or service to a recognized standard.

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Petroleum and natural gas industries — Content and drafting of a technical specification

1 Scope

This International Standard provides guidance for the content and drafting of a technical specification in order to ensure that all technical requirements of a product, process or service are included and can be verified as complying with specified performance requirements, such as may be specified in a functional specification (see ISO 13879).

A technical specification may not be necessary for a known standard product, process or service manufactured/supplied to a recognized standard.

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this International Standard. For this dated reference, subsequent amendments to, or revisions of, this publication do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 13879:—¹⁾, *Petroleum and natural gas industries — Content and drafting of a functional specification.*

3 Terms and definitions

For the purposes of this International Standard, the following terms and definitions apply.

3.1

functional specification

document that describes the features, characteristics, process conditions, boundaries and exclusions defining the performance and use requirements of the product, process or service

3.2

technical specification

document that defines technical requirements to be fulfilled by the product, process or service in order to comply with the functional specification

NOTE 1 A technical specification should indicate, whenever appropriate, the procedure(s) by means of which it may be determined whether the requirements given are fulfilled.

NOTE 2 A technical specification may be a standard, be included in a standard(s) or be independent of a standard.

¹⁾ To be published.