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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 24257-2009

**Petroleum and natural gas industries -- Content and drafting of
a functional specification**

石油天然气工业 功能规范的内容与编写

(English Translation)

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Foreword

This revised standard adopts ISO 13879:1999 "Content and preparation of oil and gas industry functional specification" (in English).

This standard is based on ISO 13879:1999 redrafted.

The structure of this standard and ISO 13879:1999 is identical to the provisions of the same work of standardization of national standards consistent and Do modify the following technical content.

--- Increasing the GB/T 1.1 for the normative references and normative references to alternative standards and GB/T 1.1 of the same content to Avoid duplication and inconsistencies;

--- With Normative references in GB/T 24258-2009 instead of ISO 13880:1999.

For ease of use, this standard also made the following editorial changes.

- a) "this International Standard" be replaced by "this standard";
- b) Remove ISO 13879:1999 Foreword;
- c) a reference to an information file, (transformed) of national standards to replace the corresponding international standards.

Appendix A of this standard is an informative annex.

The standard proposed by China National Petroleum Corporation.

This standard by the National Standardization Technical Committee of Oil and Gas.

This standard was drafted. Institute of Petroleum Industry Standardization.

Introduction

When a user or a buyer would need to get a product, process or service, the user or the buyer may propose a functional specification. Meanwhile, manufacturing Party or supplier also provides technical specifications (see GB/T 24258-2009 "Content and preparation of oil and gas industry's technical specifications") as the system Made or pursuant to discharge. User or buyer, directly or indirectly, to determine the requirements needed to be met, and in connection with a manufacturing or supply-side together the same will be described. However, if the user or buyer want to get a standard manufacture or offer products, processes or services, not Necessary to raise the functional specification.

Need to write functional specifications while meeting the work of standardization, guidelines and standards related to the preparation of national rules standards.

Oil and Gas Industry Content and preparation of functional specifications

1 Scope

This standard gives guidance on the content and functional specification prepared.

If the user or buyer wishes to obtain a standard manufacture or offer products, processes or services, the need to develop the functional specification.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 1.1 Standardization Guide Part 1. Standard structure and writing rules (GB/T 1.1-2000, ISO/IEC Di-rectives, Part, 1997,

RuiesforthestructureanddraftingofInternationalStandards, NEQ) GB/T 24258-2009 content and preparation of oil and gas industry's technical specifications (ISO 13880:1999, MOD)

3 Terms and Definitions

The following terms and definitions apply to this standard.

Proposed product, process or service performance, characteristics, process conditions, and determine the boundaries and scope of its operations and does not apply the requirements of file.

According to the functional specification of the specified product, process or service

documents should meet the technical requirements.

NOTE: If necessary, the technical specifications should be made to achieve the technical requirements of the program to be executed.

Guidelines for the preparation 4 Objective 4.1 functional specification the purpose of the functional specification is to ensure that users get the buyer or the performance of products to meet the requirements, processes or services developed verifiable Terms. Preparation of functional specification should follow the GB/T 1.1 requirements, taking into account the whole life cycle and other related operations, safety and maintenance side Face problems.

Note: In some cases, performance requirements may lead to long and complex testing process, if this is the case, by describing features to regulate it may be necessary.

4.2 Functional specification format

The functional specification should specify the requirements can be verified. Within each one of a series of technical specifications as well as any relevant technical specifications, involving Structure, style and terminology should be consistent. Series standard structure and chapters of the number should be as similar as possible. Similar provisions should be used Class Like language to express. Within each standard or series of standards, a given concept should use the same terminology, the concepts defined shall be avoided Free use of synonyms.

The body of the functional specification should follow the relevant provisions of the existing basis for national standards in order to achieve overall coordination of all standard objects, see GB/T 1.1.

In addition, for specific technical areas, we should also consider the following relevant provisions of the relevant national standards.