

NORSOK STANDARD

DESIGN PRINCIPLES
NORSOK STANDARDS AND DATA SHEETS

Z-DP-001
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1. FOREWORD

This standard has been developed by the NORSOK Standardisation Work Group.

ANNEX A is normative.

2. SCOPE

This standard defines the structure of the Norwegian NORSOK trade standards and states the requirements regarding the format, development and use of the same standards.

3. NORMATIVE REFERENCES

ANNEX A	Equipment data sheet, Material data sheet.
IEC/ISO Directive - Part 3	Drafting and Presentation of International Standards.
ISO WD 13879	Standard for the Writing and Content of a Functional Specification for the Petroleum and Natural Gas Industries.
NORSOK Z-DP-002	NORSOK standard for Coding System.

4. DEFINITIONS AND ABBREVIATIONS

4.1 Definitions

NORSOK	"Norsk Søkkel Konkurransesposisjon", the Norwegian initiative to reduce cost on offshore projects.
Functional Standard	As defined in ISO WD 13879 and 13880: The document that specifies the totality of needs expressed in features, characteristics, process conditions, boundaries and exclusions defining the performance of a product or service, including the Quality Assurance requirements.
Technical Specification	As defined in ISO WD 13880: The document that specifies the totality of needs expressed by features, characteristics, properties and all information that is required to produce a product or provide a service including the objective evidence that the product or service will comply with the Functional Specification (Standard).

Normative references	Shall mean normative in the application of NORSOK Standards.
Informative references	Shall mean informative in the application of NORSOK Standard.
Shall	Shall is an absolute requirement and shall preferably be used in all NORSOK standards. Non-compliance to shall-requirements shall be accepted by the client.
Should	Should is a recommendation. Alternative solutions having the same functionality and quality are acceptable to the client.
May	May-requirements are conditional. Alternative solutions can be allowed if the required functional criteria have been met.

4.2 Abbreviations

HVAC	Heating, Ventilation and Air Conditioning.
NPD	Norwegian Petroleum Directorate
ISO	International Standardisation Organisation.
IEC	International Electrotechnical Commission.

5. STRUCTURE AND USE OF NORSOK STANDARDS

5.1 General

The layout and the presentation of the NORSOK standards shall be as in this standard.

This standard is based on the IEC/ISO Directives - Part 3, Drafting and Presentation of International Standards. Current version is dated 1989. As the NORSOK standards are developed by the Norwegian NORSOK Standardisation Work Group, some of the elements in the Directive will not be applicable.

Functional NORSOK standards shall be based on ISO WD 13879, Standard for the Writing and Content of a Functional Specification for the Petroleum and Natural Gas Industries.

5.2 Structure of NORSOK standards

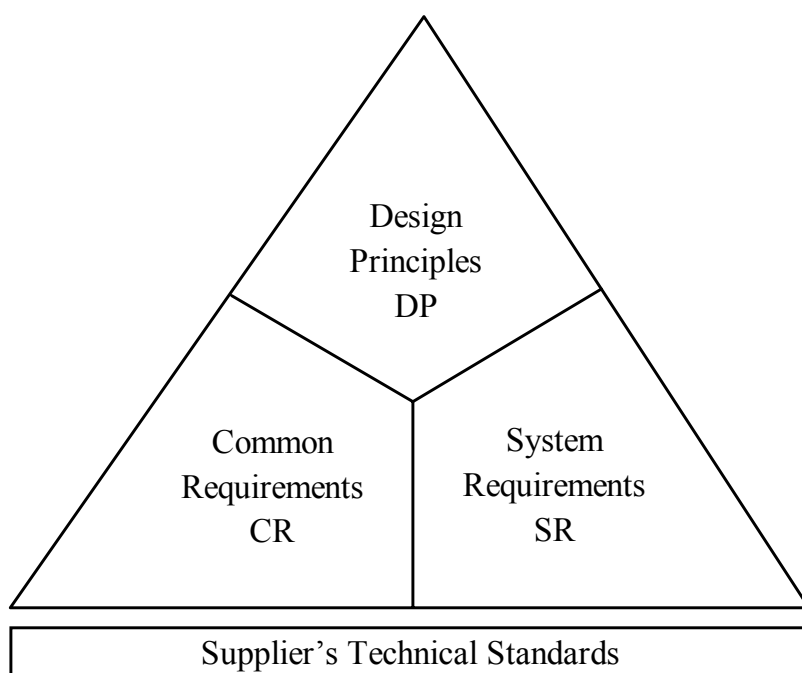


Fig. 1 Standardisation structure for the NORSOK standards.

The standards are based on international standards and shall refer to such standards and not repeat their requirements.

The NORSOK standards shall be functional, short and to the point.

Tables shall be preferred to text to increase the intelligibility and reduce document size.

There are three different NORSOK standard categories as shown in fig. 1. The supplier's shall prepare their own technical standards based on the NORSOK standards.

5.3 Design Principles, DP

Design Principles standards are fundamental criteria for design of plants and systems and selection of critical main equipment. Typical documents are:

- Operational Requirements
- Drilling Facilities
- Technical Safety
- Working Environment
- Environmental Care
- Material Selection
- Coding System.