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Technical product documentation (TPD) Classification of requirements

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/24

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**Technical product documentation (TPD) - Classification of  
requirements - Part 1: Framework (ISO 24096-1:2024)**

Documentation technique de produits (TPD) -  
Classification des exigences - Partie 1: Cadre (ISO  
24096-1:2024)

Technische Produktdokumentation (TPD) -  
Klassifizierung von Anforderungen - Teil 1: Allgemeine  
Grundlagen (ISO 24096-1:2024)

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**EN ISO 24096-1:2024 (E)**

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## **European foreword**

This document (EN ISO 24096-1:2024) has been prepared by Technical Committee ISO/TC 10 "Technical product documentation" in collaboration with CCMC.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2025, and conflicting national standards shall be withdrawn at the latest by March 2025.

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## **Endorsement notice**

The text of ISO 24096-1:2024 has been approved by CEN as EN ISO 24096-1:2024 without any modification.



# International Standard

**ISO 24096-1**

## Technical product documentation (TPD) — Classification of requirements —

### Part 1: Framework

*Documentation technique de produits (TPD) — Classification des  
exigences —*

*Partie 1: Cadre*

**First edition  
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**ISO 24096-1:2024(en)****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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 10, *Technical product documentation*, Subcommittee SC 6, *Mechanical engineering documentation*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/SS F01, *Technical drawings*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

A list of all parts in the ISO 24096 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).



**ISO 24096-1:2024(en)****Introduction**

This document addresses the classification of requirements. It provides a framework for building systems to enable the classification of requirements and an indication of the classification in the functional specification, FUN-SPEC, to support communication of the consequences of nonconformity to functional requirements. FUN-SPEC (see ISO/TS 21619) is a part of the technical product documentation (TPD). Other approaches than classification of requirements can be state of the art in achieving the objective of securing the end product.

This document has been developed mainly to be implemented within industry, e.g. the automotive and aerospace industries. However, it can also be used in other engineering fields.

Classification of requirements is a tool by which subsequent parties and stakeholders can be informed of the level of consequences of nonconformity of requirements. This facilitates the guiding of production and quality assurance resources (e.g. purchasing, production planning, control, revision). The classification system relies on established procedures, regulatory framework and contractual agreements for implementation and follow up as present in all modern industry.

There are several examples of industrial stakeholders that deploy their own or partially self-developed system and methodology for classification of requirements. There has previously not been any ISO document that pragmatically describes “what is” and “how to create” a classification system. This series bridges the identified gap and meets the need to describe how to introduce and work with a classification system in an industrial and design context.

Knowledge of the consequences of nonconformity, with requirements and actions taken to resolve the source of the deviation from the given requirements, will have a positive effect on product quality, user safety and economy of the product. Production and inspection resources can then be used where they are most needed.

[Annex A](#) gives guidance for class implication and system application.

[Annex B](#) gives guidance for indication, definition of requirement classes and the selection of symbols.

[Annex C](#) gives guidance for indication in TPD and placing of symbols.

# Technical product documentation (TPD) — Classification of requirements —

## Part 1: Framework

### 1 Scope

This document specifies a framework for building systems for the classification of requirements. Such systems can be used to indicate requirements of special importance, and communicate them for production set-up, verification, audit, etc.

This document:

- gives background information why such systems are useful in many areas of manufacturing;
- can be referred to for the concept of classification of requirements;
- functions as a framework for applying such systems in technical product documentation (TPD);
- indicates the needed elements for a classification system;
- supports with aspects in the choice of symbols for a classification system.

As a framework, this document does not give the details of a specific classification system. Instead, it functions as a basis for an organization-specific system which contains details such as notations and symbols, classification levels, assessment procedures, etc., including usage and interpretation in the TPD.

This document does not specify the contractual consequences of a classification (e.g. needed actions such as choice of tools, reliability index or process capability for a classification level) nor other references to standards or documents for handling classifications and nonconformity to requirements.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 8015:2011, *Geometrical product specifications (GPS) — Fundamentals — Concepts, principles and rules*

ISO 10209, *Technical product documentation — Vocabulary — Terms relating to technical drawings, product definition and related documentation*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**