



SLOVENSKI STANDARD

oSIST prEN IEC 63485:2026

01-november-2026

Intelligentno zahtevanje in posredovanje informacij - Procesni model za izmenjavo informacij za uporabo

Intelligent information request and delivery - A process model for the exchange of information for use

Sample Document

Ta slovenski standard je istoveten z: **prEN IEC 63485:2026**

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ICS:

01.110	Tehnična dokumentacija za izdelke	Technical product documentation
35.240.01	Uporabniške rešitve informacijske tehnike in tehnologije na splošno	Application of information technology in general

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3/1792/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER:

IEC 63485 ED1

DATE OF CIRCULATION:

2026-09-11

CLOSING DATE FOR VOTING:

2026-12-04

SUPERSEDES DOCUMENTS:

3/1768/CD, 3/1790/CC

IEC TC 3 : DOCUMENTATION, GRAPHICAL SYMBOLS AND REPRESENTATIONS OF TECHNICAL INFORMATION

SECRETARIAT:

Sweden

SECRETARY:

Mr Mikael Törnkvist

OF INTEREST TO THE FOLLOWING COMMITTEES:

HORIZONTAL FUNCTION(S):

ASPECTS CONCERNED:

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The CENELEC members are invited to vote through the CENELEC online voting system.

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TITLE:

Intelligent information request and delivery for digital information for use

PROPOSED STABILITY DATE: 2029

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Intelligent information request and delivery for digital information for use

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The text of this International Standard is based on the following documents:

Draft	Report on voting

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English [*change language if necessary*].

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

INTRODUCTION

Standardization in the field of documentation covers rules, principles, and methods focusing on machine-readable representation of information, including ontologies for the definition, coordination, and management of the information required during the whole life cycle of a device, system, or plant.

This document approaches information for use that covers the life cycle stages of the use of products in business to customer (B2C) and especially business to business (B2B) environments, for example, for technicians who assemble, install, operate, maintain, repair, or uninstall technical assets.

In a digitalized world, printed documents are less effective to support the information needs of people who are used to accessing all kinds of information quickly on the internet, or on mobile devices. Especially in the context of smart manufacturing or the industrial internet of things, where technical objects are mirrored by their digital twins, or by digital product passports, information regarding the efficient, effective, and safe use of technical objects or products (as required by IEC/IEEE 82079-1:2019) can be connected to these virtual objects in a dynamic way. This document assists in meeting the needs of both, human users and automated systems searching for technical information that matches their immediate interests: together with descriptive and operational data, information that helps to interpret data and to take action.

This document specifies a general document classification framework. The Intelligent Information Request and Delivery Standard ([tekomp \(2025\)](#), [iiRDS \[1\]](#)) defines a metadata framework tailored to technical documentation which enables a more granular information access as a basis for intelligent information processes. It supports three usecases, intelligent information (based on iiRDS), handover documentaion (based on VDI 2770, published by the German professional association for engineers), and basic digital documentation as a method for companies, especially small and middle-sized ones, that need a simple entry in digital publishing of information for use.

Within the ecosystem of IEC TC 3, iiRDS uses some administrative metadata according to IEC 82045. Other relevant standards in the field of information management have been evaluated as well to reduce contradictions and overlap. So, information providers and information consumers can benefit from the practical and economic advantages of iiRDS, this specification defines a standard information flow (Clause 6), a metadata model (Clause 7), and a set of core metadata (Annex A) that can be applied to facilitate this approach. Such semantically supported information processes help provide real-time delivery of the right information, at the right time, on the right place, to the immediate need of the users. It helps reduce costs for the operators of any kinds of assets, caused by wrong, outdated, or not easily accessible and understandable information.

Where the context of traditional documents is less suitable, the metadata ontology of iiRDS, maintained by the iiRDS consortium, helps to relate digital twins to the technical information needed in concrete use cases.

Whereas [IEC 62656-8:2020 \[2\]](#) defines a product ontology, iiRDS sets requirements for information products (compare IEC/IEEE 82079-1:2019), also using a different technology for specifying its requirements. Thus, iiRDS adds new aspects to the representation of technical information with respect to information for use of products.