

SLOVENSKI STANDARD

SIST EN ISO 25065:2021

01-februar-2021

Sistemi in programska oprema - Zahteve za kakovost in vrednotenje programske opreme (SQuaRE) - Skupni industrijski format (CIF) za uporabnost: specifikacija zahtev uporabnikov (ISO 25065:2019)

Systems and software engineering - Software product Quality Requirements and Evaluation (SQuaRE) - Common Industry Format (CIF) for Usability: User requirements specification (ISO 25065:2019)

System- und Software-Engineering - Qualitätskriterien und Bewertung von Systemen und Softwareprodukten (SQuaRE) - Allgemeines Industrieformat (CIF) zur Gebrauchstauglichkeit: Spezifikation der Nutzungsanforderungen (ISO 25065:2019)

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Ingénierie des systèmes et du logiciel - Exigences et évaluation de la qualité des systèmes et logiciels (SQuaRE) - Format industriel commun pour la facilité d'utilisation: Spécification des exigences de l'utilisateur (ISO 25065:2019)

Ta slovenski standard je istoveten z: EN ISO 25065:2020

ICS:

13.180	Ergonomija	Ergonomics
35.080	Programska oprema	Software

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EUROPEAN STANDARD

EN ISO 25065

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2020

ICS 13.180; 35.080

English Version

Systems and software engineering - Software product
Quality Requirements and Evaluation (SQuaRE) - Common
Industry Format (CIF) for Usability: User requirements
specification (ISO 25065:2019)

Ingénierie des systèmes et du logiciel - Exigences et
évaluation de la qualité des systèmes et logiciels
(SQuaRE) - Format industriel commun pour la facilité
d'utilisation: Spécification des exigences de l'utilisateur
(ISO 25065:2019)

System- und Software-Engineering - Qualitätskriterien
und Bewertung von Systemen und Softwareprodukten
(SQuaRE) - Allgemeines Industrieformat (CIF) zur
Gebrauchstauglichkeit: Spezifikation der
Nutzungsanforderungen (ISO 25065:2019)

This European Standard was approved by CEN on 31 August 2020.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of ISO 25065:2019 has been prepared by Technical Committee ISO/TC 159 "Ergonomics" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 25065:2020 by Technical Committee CEN/TC 122 "Ergonomics" the secretariat of which is held by DIN.

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 2021, and conflicting national standards shall be withdrawn at the latest by March 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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INTERNATIONAL
STANDARD

ISO
25065

First edition
2019-05

**Systems and software engineering —
Software product Quality
Requirements and Evaluation
(SQuaRE) — Common Industry Format
(CIF) for Usability: User requirements
specification**

iTeh STANDARD PREVIEW

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*Ingénierie des systèmes et du logiciel — Exigences et évaluation de
la qualité des systèmes et logiciels (SQuaRE) — Format industriel
commun pour la facilité d'utilisation: Spécification des exigences de
l'utilisateur*

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ISO 25065:2019(E)

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 documents 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).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared jointly by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 4, *Ergonomics of human-system interaction* and Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 7, *Software and systems engineering*.

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.

Introduction

Specifying user requirements in a consistent manner will assist those developing and acquiring interactive systems that are usable. The term "user requirements" is used in this document to refer to user-system interaction requirements (that specify the required interaction to achieve intended outcomes) and use-related quality requirements (expressed in terms of effectiveness, efficiency and satisfaction). It describes a set of content elements for user requirements specifications as part of a human-centred approach to design of an interactive system. A common industry format for a user requirements specification is intended to assist human-centred design teams in specifying user requirements for an interactive system.

The Common Industry Format (CIF) for usability is described in ISO/IEC TR 25060 and is part of the SQuaRE series (ISO/IEC 25000–ISO/IEC 2509x) on systems and software product quality requirements and evaluation.

Usability as used in the CIF standards refers to effectiveness, efficiency, and satisfaction as defined in ISO 9241-11, where it is defined as an outcome of use, rather than as a product quality which is an alternate use of the term also provided in ISO/IEC 25010.

CIF standards published or planned for include the following information items:

- usability test reports (see ISO/IEC 25062);
- context of use description (see ISO/IEC 25063);
- user needs report (see ISO/IEC 25064);
- user requirements specification (this document);
- usability evaluation report (see ISO/IEC 25066);

The CIF standards are part of the "Extension Division" of the ISO/IEC 25000 SQuaRE series. [Table 1](#) presents an overview of the structure and the contents of the SQuaRE series.

Table 1 — Organization of the SQuaRE series

SQuaRE architecture and sub-projects		
ISO/IEC 2503x: Quality requirement division	ISO/IEC 2501x: Quality model division	ISO/IEC 2504x: Quality evaluation division
	ISO/IEC 2500x: Quality management division	
	ISO/IEC 2502x: Quality measurement	
ISO/IEC 2505x–ISO/IEC 2509x: SQuaRE extension division		
— ISO/IEC 25051–2505x: Requirements for quality of Ready to Use Software Product (RUSP) division		
— ISO/IEC 2506x: Common Industry Format (CIF) for Usability division		

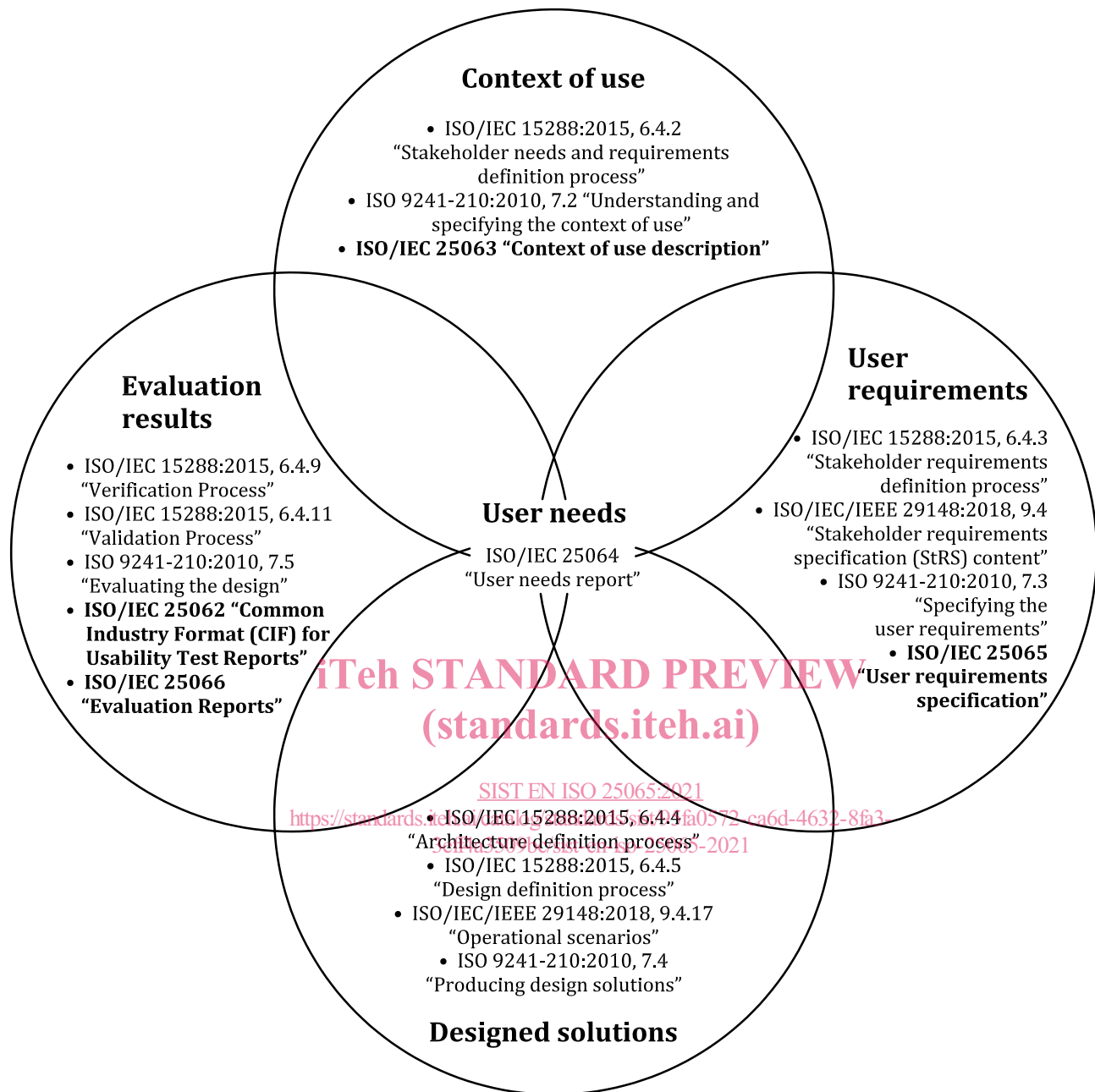


Figure 1 — Relationship of CIF documents to human-centred design in ISO 9241-210 and system lifecycle processes in ISO/IEC/IEEE 15288

[Figure 1](#) illustrates the interdependence of these CIF documents with the outputs of human-centred design activities described in ISO 9241-210 as well as the corresponding system lifecycle processes described in ISO/IEC/IEEE 15288. Standards listed in bold represent CIF process outputs. The figure depicts the outputs of the activities as a set of intersecting circles. The circles overlap to represent that:

- human-centred design aims at satisfying user needs; and
- the activities are not separate, but rather, overlapping in time and scope; and
- the outcome of each activity provides the input to one or more other activities.

As each human-centred design activity can provide input to any other, there is no starting point, no endpoint, or linear process intended.