



SLOVENSKI STANDARD SIST EN ISO 13606-5:2019

01-september-2019

Nadomešča:

SIST EN ISO 13606-5:2010

**Zdravstvena informatika - Komunikacija z elektronskimi zdravstvenimi zapisi - 5.
del: Specifikacija vmesnika (ISO 13606-5:2019)**

Health informatics - Electronic health record communication - Part 5: Interface specification (ISO 13606-5:2019)

Medizinische Informatik - Kommunikation von Patientendaten in elektronischer Form - Teil 5: Interface Spezifikation (ISO 13606-5:2019)

Informatique de santé - Communication du dossier de santé informatisé - Partie 5: Spécification d'interfaces (ISO 13606-5:2019)

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Ta slovenski standard je istoveten z: EN ISO 13606-5:2019

ICS:

35.240.80	Uporabniške rešitve IT v zdravstveni tehniki	IT applications in health care technology
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en,fr,de

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EUROPEAN STANDARD

EN ISO 13606-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2019

ICS 35.240.80

Supersedes EN ISO 13606-5:2010

English Version

Health informatics - Electronic health record communication - Part 5: Interface specification (ISO 13606-5:2019)

Informatique de santé - Communication du dossier de
santé informatisé - Partie 5: Spécification d'interfaces
(ISO 13606-5:2019)

Medizinische Informatik - Kommunikation von
Patientendaten in elektronischer Form - Teil 5:
Interface Spezifikation (ISO 13606-5:2019)

This European Standard was approved by CEN on 2 July 2019.

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European foreword

This document (EN ISO 13606-5:2019) has been prepared by Technical Committee ISO/TC 215 "Health informatics" in collaboration with Technical Committee CEN/TC 251 "Health informatics" the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by January 2020, and conflicting national standards shall be withdrawn at the latest by January 2020.

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.

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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
13606-5

Second edition
2019-06

**Health informatics — Electronic
health record communication —**

**Part 5:
Interface specification**

*Informatique de santé — Communication du dossier de santé
informatisé —*

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Partie 5: Spécification d'interfaces
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Reference number
ISO 13606-5:2019(E)

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Published in Switzerland

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ISO 13606-5:2019(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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html. (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 215, *Health Informatics*.

This second edition cancels and replaces the first edition (ISO 13606-5:2010), which has been technically revised. The main changes compared to the previous edition are as follows:

— Removal of properties from the interface specifications that no longer correspond to properties in the Reference Model defined in ISO 13606-1.

A list of all parts in the ISO 13606 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.

Introduction

0.1 General

This document is part of a five-part standard series, published jointly by CEN and ISO through the Vienna Agreement. In this document, dependency upon any of the other parts of this series is explicitly stated where it applies.

0.2 Preface

This document defines the interfaces by which an EHR_EXTRACT, an ARCHETYPE or an EHR_AUDIT_LOG_EXTRACT may be requested and provided.

The scope of this document has been considered carefully in order to achieve several objectives:

- to specify those interfaces that are unique to the 13606 context, and not to include more generic health information communication interfaces that might be the scope of other standards and specifications;
- to specify the interfaces in ways that are compatible with the HISA standard series (ISO 12967 all parts);
- to specify the interfaces as computational viewpoints, in order to support the wide range of engineering viewpoints that might be adopted by individual vendors or eHealth programmes; (it should be noted that ISO 13606-1, ISO 13606-2 and ISO 13606-4 define the corresponding information viewpoints, and that ISO 18308 defines the corresponding enterprise viewpoint);
- to construct these interfaces such that they might easily be implemented as specialisations of standard interfaces within the commonly used engineering languages such as Java, Visual Basic, dotnet, SOAP, ebXML etc.;
- to work through the Joint SDO Initiative and Council on the production of Engineering Viewpoint Implementation Guides, that will define more specifically how to implement these interfaces, for example in HL7 version 3; these guides will be published separately from ISO 13606-5, to enable them to be maintained and updated more frequently (to reflect implementation experience) than is possible for a standards document;
- to recognise that EHR communication will be implemented within a healthcare communications infrastructure, usually nationally, that will define a generalised approach to many other complementary and necessary services such as patient demographics registries, provider registries, authentication and authorisation policies and services etc.; these are therefore not part of the formal scope of ISO 13606-5 but are referred to as being assumed and necessary complementary services;
- to require an ISO/TS 22600 series (PMAC) compatible architecture or its equivalent will be used for managing security services, and not to duplicate or conflict with these services in this document;
- to further support the protection of patient privacy by avoiding the need to reveal if any EHR data has been withheld by the provider when responding to a request;
- to enable each interface and term set to be extended locally to cater for specialised circumstances of EHR communication, in which additional requirements constraints might apply.

This document defines a set of interfaces by which the artefacts defined in ISO 13606-1, ISO 13606-2 and ISO 13606-4 may be requested and provided:

- a) ISO 13606-1 defines a reference model for an EHR_EXTRACT: part or all of the EHR of a subject of care;
- b) ISO 13606-2 defines an information model for an ARCHETYPE, and optionally a serialised form represented using Archetype Definition Language;