

SLOVENSKI STANDARD
SIST-TS CEN ISO/TS 16791:2015
01-december-2015

Zdravstvena informatika - Zahteve za mednarodne strojno berljive kode za pakiranje zdravil (ISO/TS 16791:2014)

Health informatics - Requirements for international machine-readable coding of medicinal product package identifiers (ISO/TS 16791:2014)

Medizinische Informatik - Anforderungen für maschinenlesbare internationale Kodierungen für Verpackungen von Arzneimitteln (ISO/TS 16791:2014)

Informatique de santé - Exigences pour une identification internationale, lisible par capture automatique, des produits médicaux (ISO/TS 16791:2014)

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Ta slovenski standard je istoveten z: CEN ISO/TS 16791:2015

ICS:

35.040	Nabori znakov in kodiranje informacij	Character sets and information coding
35.240.80	Uporabniške rešitve IT v zdravstveni tehniki	IT applications in health care technology

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TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
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CEN ISO/TS 16791

September 2015

ICS 35.240.80

English Version

**Health informatics - Requirements for international
machine-readable coding of medicinal product package
identifiers (ISO/TS 16791:2014)**

Informatique de santé - Exigences pour une
identification internationale, lisible par capture
automatique, des produits médicaux (ISO/TS
16791:2014)

Medizinische Informatik - Anforderungen für
maschinenlesbare internationale Kodierungen für
Verpackungen von Arzneimitteln (ISO/TS 16791:2014)

This Technical Specification (CEN/TS) was approved by CEN on 31 August 2015 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (CEN ISO/TS 16791:2015) 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.

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

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Endorsement notice

The text of ISO/TS 16791:2014 has been approved by CEN as CEN ISO/TS 16791:2015 without any modification.

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**Health informatics — Requirements
for international machine-readable
coding of medicinal product package
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*Informatique de santé — Exigences pour une identification
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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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 215, *Health informatics*.

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Introduction

Globally, healthcare regulators, medicinal product suppliers, and healthcare providers, among others, are facing increased pressure to ensure a more secure and safer supply chain for medicinal products. The primary objective is to ensure optimal patient safety outcomes. International organizations such as the World Health Organization (WHO) and the Council of Europe, along with many other healthcare organizations are also seeking robust systems that will deliver outcomes to enhance overall supply chain integrity, to prevent product falsification and to improve patient safety, especially at the point of care.

Machine readable coding is a technology capable of achieving these stated outcomes. Therefore, the core purpose of this Technical Specification is to provide guidance for machine-readable coding based on globally harmonized and interoperable standards for wide scale international implementation.

This Technical Specification outlines the requirements to implement international machine-readable coding on medicinal product packages in the healthcare supply chain. It assists all stakeholders implement, use, and optimize Automatic Identification and Data Capture Identification (AIDC) technologies in their respective enterprises with a particular attention to Health Informatics. In that respect, it complements ISO 11615.

As AIDC offers a wide spectrum of potential solutions, particularly for data carriers such as barcodes, it has highlighted the importance of properly defining data structures to prevent ambiguity when information is encoded and captured.

Furthermore, the semantics of data carried can be defined by a number of organizations (also called “issuing agencies”), some with commercial activities, some with a national emphasis, and others with a standard development organizations’ objective. This particular specification focuses on the GS1 System of Standards¹.

The majority of supplies (such as processed food, office supplies, apparels, medical devices and equipment, medicinal products, etc.) in healthcare around the world use the GS1 System of Standards for AIDC as it is multi-sectorial and a globally implemented system of standards. Interoperability along the supply chain is easier to achieve once a single system of standards is used in any market, including healthcare.

This Technical Specification is intended to guide healthcare packaging designers, regulatory affairs specialists, logistics operators, and others to implement AIDC solutions for healthcare.

1) GS1 is a registered trademark. Any trademark used in this document is information given for the convenience of users and does not constitute an endorsement.

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