



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 21549-8:2010

# Health informatics - Patient healthcard data - Part 8: Links (ISO 21549-8:2010)

## I.S. EN ISO 21549-8:2010

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

<i>This document replaces:</i>	<i>This document is based on:</i> EN ISO 21549-8:2010	<i>Published:</i> 15 June, 2010
This document was published under the authority of the NSAI and comes into effect on: 22 June, 2010		ICS number: 35.240.80
<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie
Údarás um Chaighdeáin Náisiúnta na hÉireann		

ICS 35.240.80

English Version

## Health informatics - Patient healthcard data - Part 8: Links (ISO 21549-8:2010)

Informatique de santé - Données relatives aux cartes de santé des patients - Partie 8: Liens (ISO 21549-8:2010)

Medizinische Informatik - Patientendaten auf Karten im Gesundheitswesen - Teil 8: Verweise (ISO 21549-8:2010)

This European Standard was approved by CEN on 26 May 2010.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Management Centre: Avenue Marnix 17, B-1000 Brussels**

## **Contents**

**Page**

<b>Foreword.....</b>	<b>3</b>
----------------------	----------

## **Foreword**

This document (EN ISO 21549-8:2010) 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 December 2010, and conflicting national standards shall be withdrawn at the latest by December 2010.

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.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

### **Endorsement notice**

The text of ISO 21549-8:2010 has been approved by CEN as a EN ISO 21549-8:2010 without any modification.

*This page is intentionally left BLANK.*

I.S. EN ISO 21549-8:2010  
**INTERNATIONAL  
STANDARD**

**ISO  
21549-8**

First edition  
2010-06-15

---

---

**Health informatics — Patient healthcard  
data —**

**Part 8:  
Links**

*Informatique de santé — Données relatives aux cartes de santé des  
patients —*

*Partie 8: Liens*



Reference number  
ISO 21549-8:2010(E)

© ISO 2010

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2010

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland



# Contents

Page

<b>Foreword .....</b>	<b>iv</b>
<b>Introduction.....</b>	<b>v</b>
<b>1 Scope .....</b>	<b>1</b>
<b>2 Normative references .....</b>	<b>1</b>
<b>3 Terms and definitions .....</b>	<b>1</b>
<b>4 Abbreviated terms .....</b>	<b>2</b>
<b>5 Requirements.....</b>	<b>2</b>
<b>6 Structure.....</b>	<b>2</b>
<b>Annex A (normative) ASN.1 data definitions .....</b>	<b>5</b>
<b>Annex B (informative) Examples .....</b>	<b>7</b>
<b>Bibliography.....</b>	<b>9</b>

## 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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 21549-8 was prepared by Technical Committee ISO/TC 215, *Health informatics*.

ISO 21549 consists of the following parts, under the general title *Health informatics — Patient healthcard data*:

- *Part 1: General structure*
- *Part 2: Common objects*
- *Part 3: Limited clinical data*
- *Part 4: Extended clinical data*
- *Part 5: Identification data*
- *Part 6: Administrative data*
- *Part 7: Medication data*
- *Part 8: Links*

## Introduction

The ISO 21549 series of International Standards is intended to replace the European Prestandard ENV 12018 adopted by CEN in 1995. This series of International Standards provides data structures and definitions for data objects on patient data cards.

Healthcare becomes more and more integrated and is changing from having a local character to being regional and – with increasing mobility – even international. Typically, a patient's health history consists of many service episodes distributed over time and space. Sometimes patients are getting services from separate service providers at the same time. Each service provider such as hospital, health centre and physician has his own local patient record system. Thus the patient's health data is distributed more and more over specialities and space inside one country and also worldwide.

Patients can be better cared for if the health professional in charge has access to the patient's most recent data. Physicians at different locations have to be able to simultaneously see and edit a patient record from remote locations.

This requires on the one hand, information systems that are able to communicate and, on the other hand, standardized methods to locate the information. The Internet, which is able to distribute information to geographically-distant users, offers a securable technological solution for handling electronic patient records. However, it is necessary to access the data required in an easy and timely way. Not only does this mean that the relevant information has to be made available by its authors, but also that it has to be retrieved from a mass of irrelevant information whenever and wherever needed.

Patient data are especially sensitive and a secure basic infrastructure is absolutely necessary. Therefore, besides the secure transmission of data, the persons handling the record, for example health professionals and/or the patients have to be identified and authenticated. Further services like integrity and privacy protection, accountability, accessibility etc. need to be addressed as well.

Health cards can help to provide the necessary security in the sensitive health domain – including data integrity and data protection. They enable authentication for data on the card and can also provide links to several additional data objects stored elsewhere. Health cards may contain both a subset of critical clinical data stored on the card itself and links to data distributed nationally or worldwide over many medical information systems.

**I.S. EN ISO 21549-8:2010**

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-