

IRISH STANDARD

I.S. EN 12967-1:2007

ICS 35.240.80

HEALTH INFORMATICS - SERVICE

ARCHITECTURE - PART 1: ENTERPRISE

VIEWPOINT

National Standards Authority of Ireland Glasnevin, Dublin 9 Ireland

Tel: +353 1 807 3800 Fax: +353 1 807 3838 http://www.nsai.ie

Sales

http://www.standards.ie

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on: 30 November 2007

NO COPYING WITHOUT NSAI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

© NSAI 2007 Price Code R

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online. This page is intentionally left BLANK.

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 12967-1

October 2007

ICS 35.240.80

Supersedes ENV 12967-1:1998

English Version

Health informatics - Service architecture - Part 1: Enterprise viewpoint

Informatique de la santé - Architecture de service - Partie 1 : Point de vue Entreprise

Medizinische Informatik - Servicearchitektur - Teil 1: Unternehmenssicht

This European Standard was approved by CEN on 16 September 2007.

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, 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: rue de Stassart, 36 B-1050 Brussels

EN 12967-1:2007 (E)

Cont	Contents Pa				
Forewo	ord	4			
Introdu	ıction	5			
1	Scope	8			
2	Normative references				
3 3.1	Terms and definitions				
3.1	Concepts relating to organisation	10			
3.3	Community concepts				
3.4	Behaviour concepts				
3.5	Policy concepts				
3.6	Accountability concepts	13			
4	Symbols and abbreviations	14			
5	Methodology for the specification of the architecture	14			
5.1	The viewpoints for the specification of the architecture	14			
5.2	The HISA specification procedure				
5.2.1	The strategic paradigm				
5.2.2 5.2.3	Specification of the Enterprise viewpoint				
5.2.3 5.2.4	Specification of the Information viewpoint				
5.2.4	Iterative specification				
5.4	Viewpoints specification languages and notations				
6	HISA overview				
6.1	General requirement				
6.2	Enterprise viewpoint				
6.3	Information viewpoint				
6.4	Computational viewpoint	21			
7	The methodology for extensions	22			
8	Conformance criteria	23			
8.1	Conformance of specification documents to the HISA methodology				
8.2	Conformance of middleware products to the HISA architectural requirements				
9	The HISA Enterprise viewpoint	24			
9.1	Introduction (informative)	24			
9.1.1	General				
9.1.2	The regional, inter-enterprise perspective				
9.1.3	The medical/clinical perspective				
9.1.4	The operational/clinical and organisational process model perspective				
9.1.5 9.2	The Healthcare Information Services and their complexity The fundamental workflows and groups of users' activities to be supported by the				
	middleware	32			
9.3	General information requirements for all users' activities				
9.3.1 9.3.2	Introduction				
9.3.2 9.3.3	Extensibility				
9.3.4	Versioning				
9.3.5	Auditing				
9.3.6	Handling of lifecycle				
9.4	Subject of Care workflow	36			

EN 12967-1:2007 (E)

9.4.1	Textual description of requirements	36
9.4.2	Use case examples (informative)	
9.5	Clinical information workflow	
9.5.1	Textual specification of requirements	
9.5.2	Use case examples (informative)	
9.6	Activity management workflow	
9.6.1	Textual description of requirements	
9.6.2	Use case examples (informative)	
9.7	Resources management activities / Textual description of requirements	50
9.8 9.9	Users and Authorisations management activities / Texutual description of requirements Classifications, coding and dictionaries management activities / Textual description of	50
	requirements	52
Annex	A (informative) Highlights on ODP	55
Annex	B (informative) Rationale on the federative structure of the Health Informatics Systems architecture	58
Bibliog	ıraphy	61

EN 12967-1:2007 (E)

Foreword

This document (EN 12967-1:2007) has been prepared by 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 April 2008, and conflicting national standards shall be withdrawn at the latest by April 2008.

This document, together with EN 12967-2 and EN 12967-3, supersedes ENV 12967-1:1998.

This three part European standard is a major revision of the ENV 12967-1 that was produced under a mandate given to CEN by the European Commission and the European Free Trade Association.

This multi-part standard under the general heading: *Health informatics – Service architecture* consists of the following parts:

Part 1: Enterprise viewpoint

Part 2: Information viewpoint

Part 3: Computational viewpoint

Parts 1, 2 and 3 are jointly replacing ENV 12967-1:1997 Medical informatics – Healthcare Information System Architecture (HISA) - Part 1: Healthcare middleware layer.

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, 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.



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

Product Page

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