

Appendix A

International Standards Organisational Technical Committee (ISO/TC) 215 Healthcare Informatics Standardisation

The ISO/TC 215 is the Technical Committee (TC) of the International Organisation for Standardisation (ISO), which develops and maintain standard on Health Informatics. TC 215 works on the standardisation of Health Information and Communications Technology (ICT). The aim of most of its standards is to allow for compatibility and interoperability between independent systems.

Table A.1 Security and Privacy Standards of the ISO/TC 215 - Health informatics

ISO CODE	GENERAL DESCRIPTION
ISO 17090-1:2008	PKI - Part 1: Digital certificate services
ISO 17090-2:2008	PKI - Part 2: Certificate profile
ISO 17090-3:2008	PKI - Part 3: Policy management of certification authority
ISO 22857:2004	Trans-border flows of personal health information
ISO 27799:2008	Information security management using ISO/IEC 27002
ISO/TS 22600-1:2006	Privilege management and access control - Part 1: Overview
ISO/TS 22600-2:2006	Privilege management and access control - Part 2: Formal models
ISO/TS 25238:2007	Classification of safety risks from health software
ISO/TR 21089:2004	Trusted end-to-end information flows
ISO/TR 27809:2007	Measures for ensuring patient safety of health software

Table A.2 ISO/IEEE Standards of the TC 215 - Health informatics

ISO/IEEE CODE	GENERAL DESCRIPTION
11073-10101:2004	PoC med. device comm. - 10101: Nomenclature
11073-10201:2004	PoC med. device comm. - 10201: Domain information model
11073-20101:2004	PoC med. device comm. - 20101: Application profiles - Base Std.
11073-30200:2004	PoC med. device comm. - 30200: Transport profile - Cable connected
11073-30300:2004	PoC med. device comm. - 30300: Transport profile - Infrared wireless
ISO 11073-90101:2008	PoC medical device comm. - 90101: Analytical instruments - PoC test
ISO/HL7 21731:2006	HL7 version 3 - Reference information model - Release 1
Abbreviations	
comm.	communication(s)
lab.	laboratory
PoC	Point-of-Care
std.	standard

Table A.3 ISO Standards of the TC 215 - Health informatics

ISO CODE	GENERAL DESCRIPTION
17090-1:2008	PKI - Part 1: Digital certificate services
17090-2:2008	PKI - Part 2: Certificate profile
17090-3:2008	PKI - Part 3: Policy management of certification authority
17115:2007	Vocabulary for terminological systems
13606-1:2008	Electronic health record comm. - 1: Reference model
17432:2004	Messages and comm. - Web access to DICOM persistent objects
18104:2003	Integration of a reference terminology model for nursing
18232:2006	Messages and comm. - Length-limited globally unique string IDs
18812:2003	Clin. analyser interfaces to lab. information systems - Use profiles
20301:2006	Health cards - General characteristics
20302:2006	Health cards - Numbering system and reg. procedure for issuer IDs
21549-1:2004	Healthcard Data - Part 1: General structure
21549-2:2004	Healthcard Data - Part 2: Common objects
21549-3:2004	Healthcard Data - Part 3: Limited clinical data
21549-4:2006	Healthcard Data - Part 4: Extended clinical data
21549-5:2008	Healthcard Data - Part 5: Identification data
21549-6:2008	Healthcard Data - Part 6: Administrative data
21549-7:2007	Healthcard Data - Part 7: Medication data
22857:2004	Trans-border flows of personal health information
27799:2008	Information security management using ISO/IEC 27002
Abbreviations	
PKI	Public Key Infrastructure
Clin.	Clinical
comm.	communication(s)
lab.	laboratory

Table A.4 ISO/TS Standards of the TC 215 - Health informatics

ISO/TS CODE	GENERAL DESCRIPTION
11073-92001:2007	Medical waveform format - 92001: Encoding rules
12052:2006	DICOM including workflow and data management
16058:2004	Interoperability of tele-learning systems
17117:2002	Controlled health terminology - Structure and high-level indicators
17120:2004	Country identifier standards
18308:2004	Requirements for an electronic health record architecture
21091:2005	Directory services for security, communications and identification
21667:2004	Health indicators conceptual framework
22600-1:2006	Privilege management and access control - Part 1: Overview
22600-2:2006	Privilege management and access control - Part 2: Formal models
25238:2007	Classification of safety risks from health software

Table A.5 ISO/TR Standards of the TC 215 - Health informatics

ISO/TR CODE	GENERAL DESCRIPTION
16056-1:2004	Interop. of tele-health systems & networks -1: Intro. and definitions
16056-2:2004	Interop. of tele-health systems & networks - 2: Real-time systems
17119:2005	Health informatics - Health informatics profiling framework
18307:2001	Interop. and compatibility in messaging and comm. standards
20514:2005	EHR - Definition, scope and context
21089:2004	Trusted end-to-end information flows
21730:2007	Mobile wireless comm. & IT Use in healthcare facilities
22221:2006	Good principles and practices for a clin. data warehouse
22790:2007	Functional characteristics of prescriber support systems
27809:2007	Measures for ensuring patient safety of health software
Abbreviations	
Clin.	Clinical
comm.	communication(s)
Interop.	Inter-operation
EHR	Electronic Healthcare Record
Intro.	Introduction

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