DIN EN ISO 27799:2026-12 (E)

Health informatics - Information security controls in health based on ISO/IEC 27002 (ISO 27799:2025); English version EN ISO 27799:2026

Contents

Page

Foreword ..... **vi**

Introduction ..... **vii**

1 Scope **1**

2 Normative references **1**

3 Terms, definitions and abbreviated terms **1**
3.1 Terms and definitions 2
3.2 Abbreviated terms 3

4 General **3**
4.1 Structure of this document 3
4.2 Safety 3
4.3 Selecting and applying controls 4
4.3.1 Determining controls 4
4.3.2 Application of guidance 4
4.3.3 Use with ISO/IEC 27001:2022 4

5 Organizational controls **4**
5.1 Policies for information security 4
5.2 Information security roles and responsibilities 6
5.3 Segregation of duties 7
5.4 Management responsibilities 7
5.5 Contact with authorities 7
5.6 Contact with special interest groups 7
5.7 Threat intelligence 7
5.8 Information security in project management 8
5.9 Inventory of information and other associated assets 8
5.10 Acceptable use of information and other associated assets 9
5.11 Return of assets 9
5.12 Classification of information 9
5.13 Labelling of information 10
5.14 Information transfer 10
5.15 Access control 11
5.16 Identity management 11
5.17 Authentication information 12
5.18 Access rights 12
5.19 Information security in supplier relationships 13
5.20 Addressing information security within supplier agreements 13
5.21 Managing information security in the ICT supply chain 13
5.22 Monitoring, review and change management of supplier services 14
5.23 Information security for use of cloud services 14
5.24 Information security incident management planning and preparation 14
5.25 Assessment and decision on information security events 14
5.26 Response to information security incidents 14
5.27 Learning from information security incidents 14
5.28 Collection of evidence 15
5.29 Information security during disruption 15
5.30 ICT readiness for business continuity 15
5.31 Legal, statutory, regulatory and contractual requirements 16
5.32 Intellectual property rights 16
5.33 Protection of records 16
5.34 Privacy and protection of PII 16

5.35 Independent review of information security 17
5.36 Conformance with policies, rules and standards for information security 17
5.37 Documented operating procedures 18
5.38 HLT – Information security requirements analysis and specification 18
5.39 HLT – Uniquely identifying subjects of care 19
5.40 HLT – Validation of displayed/printed data 20
5.41 HLT – Publicly available health information 20
5.42 HLT – Emergency communication 21
5.43 HLT – External incident reporting 21

6 People controls 22
6.1 Screening 22
6.2 Terms and conditions of employment 22
6.3 Information security awareness, education and training 23
6.4 Disciplinary process 23
6.5 Responsibilities after termination or change of employment 23
6.6 Confidentiality or non-disclosure agreements 24
6.7 Remote working 24
6.8 Information security event reporting 24
6.9 HLT – Management training 25

7 Physical controls 25
7.1 Physical security perimeters 25
7.2 Physical entry 26
7.3 Securing offices, rooms and facilities 26
7.4 Physical security monitoring 26
7.5 Protecting against physical and environmental threats 26
7.6 Working in secure areas 26
7.7 Clear desk and clear screen 26
7.8 Equipment siting and protection 27
7.9 Security of assets off-premises 27
7.10 Storage media 27
7.11 Supporting utilities 28
7.12 Cabling security 28
7.13 Equipment maintenance 28
7.14 Secure disposal or re-use of equipment 29

8 Technological controls 29
8.1 User endpoint devices 29
8.2 Privileged access rights 29
8.3 Information access restriction 29
8.4 Access to source code 29
8.5 Secure authentication 30
8.6 Capacity management 30
8.7 Protection against malware 30
8.8 Management of technical vulnerabilities 30
8.9 Configuration management 31
8.10 Information deletion 31
8.11 Data masking 32
8.12 Data leakage prevention 32
8.13 Information backup 32
8.14 Redundancy of information processing facilities 32
8.15 Logging 32
8.16 Monitoring activities 32
8.17 Clock synchronization 33
8.18 Use of privileged utility programs 33
8.19 Installation of software on operational systems 33
8.20 Networks security 33
8.21 Security of network services 33
8.22 Segregation of networks 33
8.23 Web filtering 34
8.24 Use of cryptography 34
8.25 Secure development life cycle 34
8.26 Application security requirements 34

8.27 Secure system architecture and engineering principles 34
8.28 Secure coding 34
8.29 Security testing in development and acceptance 35
8.30 Outsourced development 35
8.31 Separation of development, test and production environments 35
8.32 Change management 35
8.33 Test information 35
8.34 Protection of information systems during audit testing 35
8.35 HLT – Zero trust principles 36

Annex A (informative) **Information security controls for health reference** **37**

Annex B (informative) **Correspondence of this document with ISO 27799:2016** **39**

Annex C (informative) **Information security in health organizations** **40**

Annex D (informative) **Example security and privacy requirements for health information systems and their mapping to the ISO 27799 controls and IEC/TS 81001-2-2 security capabilities** **51**

Bibliography **71**