

DIN EN ISO/IEC 27011:2021-10 (E)

Information technology - Security techniques - Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations (ISO/IEC 27011:2016)

Contents		Page
European forward.....		4
Forword.....		5
Introduction.....		6
1 Scope.....		7
2 Normative references.....		7
3 Definitions and abbreviations.....		7
3.1 Definitions.....		7
3.2 Abbreviations.....		8
4 Overview.....		8
4.1 Structure of this Recommendation International Standard.....		8
4.2 Information security management systems in telecommunications organizations.....		9
5 Information security policies.....		11
6 Organization of information security.....		11
6.1 Internal organization.....		11
6.2 Mobile devices and teleworking.....		12
7 Human resource security.....		12
7.1 Prior to employment.....		12
7.2 During employment.....		13
7.3 Termination or change of employment.....		13
8 Asset management.....		13
8.1 Responsibility for assets.....		13
8.2 Information classification.....		14
8.3 Media handling.....		14
9 Access control.....		14
9.1 Business requirement for access control.....		14
9.2 User access management.....		15
9.3 User responsibilities.....		15
9.4 System and application access control.....		15
10 Cryptography.....		15
11 Physical and environmental security.....		15
11.1 Secure areas.....		15
11.2 Equipment.....		16
12 Operations security.....		18
12.1 Operational procedures and responsibilities.....		18
12.2 Protection from malware.....		19
12.3 Backup.....		19
12.4 Logging and monitoring.....		19
12.5 Control of operational software.....		19
12.6 Technical vulnerability management.....		20
12.7 Information systems audit considerations.....		20
13 Communications security.....		20
13.1 Network security management.....		20
13.2 Information transfer.....		21

14	System acquisition, development and maintenance	22
14.1	Security requirements of information systems	22
14.2	Security in development and support processes	22
14.3	Test data	22
15	Supplier relationships	22
15.1	Information security in supplier relationships	22
15.2	Supplier service delivery management.....	23
16	Information security incident management	23
16.1	Management of information security incidents and improvements.....	23
17	Information security aspects of business continuity management.....	25
17.1	Information security continuity	25
17.2	Redundancies	26
18	Compliance.....	26
	Annex A – Telecommunications extended control set	27
	Annex B – Additional guidance for network security	35
	B.1 Security measures against network attacks	35
	B.2 Network security measures for network congestion.....	36
	Bibliography	37