

# DIN EN ISO/IEC 27017:2021-11 (E)

## Information technology - Security techniques - Code of practice for information security controls based on ISO/IEC 27002 for cloud services (ISO/IEC 27017:2015)

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Foreword.....		5
Introduction.....		6
1 Scope .....		7
2 Normative references.....		7
2.1 Identical Recommendations   International Standards .....		7
2.2 Additional References .....		7
3 Definitions and abbreviations.....		7
3.1 Terms defined elsewhere.....		7
3.2 Abbreviations .....		8
4 Cloud sector-specific concepts .....		8
4.1 Overview.....		8
4.2 Supplier relationships in cloud services .....		8
4.3 Relationships between cloud service customers and cloud service providers.....		9
4.4 Managing information security risks in cloud services .....		9
4.5 Structure of this standard.....		9
5 Information security policies .....		10
5.1 Management direction for information security.....		10
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 .....		12
7.3 Termination and 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 requirements of access control .....		14
9.2 User access management.....		15
9.3 User responsibilities .....		16
9.4 System and application access control .....		16
10 Cryptography.....		17
10.1 Cryptographic controls.....		17
11 Physical and environmental security .....		18
11.1 Secure areas.....		18
11.2 Equipment .....		18
12 Operations security.....		19
12.1 Operational procedures and responsibilities.....		19
12.2 Protection from malware .....		20
12.3 Backup .....		20
12.4 Logging and monitoring.....		21

12.5	Control of operational software.....	22
12.6	Technical vulnerability management .....	22
12.7	Information systems audit considerations .....	23
13	Communications security .....	23
13.1	Network security management.....	23
13.2	Information transfer.....	23
14	System acquisition, development and maintenance .....	24
14.1	Security requirements of information systems .....	24
14.2	Security in development and support processes .....	24
14.3	Test data .....	25
15	Supplier relationships .....	25
15.1	Information security in supplier relationships .....	25
15.2	Supplier service delivery management.....	26
16	Information security incident management .....	26
16.1	Management of information security incidents and improvements.....	26
17	Information security aspects of business continuity management.....	28
17.1	Information security continuity .....	28
17.2	Redundancies .....	28
18	Compliance.....	28
18.1	Compliance with legal and contractual requirements.....	28
18.2	Information security reviews.....	29
	Annex A – Cloud service extended control set.....	31
	Annex B – References on information security risk related to cloud computing .....	35
	Bibliography .....	36