

DIN EN ISO/IEC 27043:2016-12 (E)

Information technology - Security techniques - Incident investigation principles and processes (ISO/IEC 27043:2015)

Contents		Page
European foreword.....		4
Foreword.....		5
Introduction.....		6
1	Scope	10
2	Normative references	10
3	Terms and definitions	10
4	Symbols and abbreviated terms	12
5	Digital investigations	13
	5.1 General principles.....	13
	5.2 Legal principles.....	13
6	Digital investigation processes	14
	6.1 General overview of the processes.....	14
	6.2 Classes of digital investigation processes.....	14
7	Readiness processes	16
	7.1 Overview of the readiness processes.....	16
	7.2 Scenario definition process.....	18
	7.3 Identification of potential digital evidence sources process.....	18
	7.4 Planning pre-incident gathering, storage, and handling of data representing potential digital evidence process.....	20
	7.5 Planning pre-incident analysis of data representing potential digital evidence process.....	20
	7.6 Planning incident detection process.....	20
	7.7 Defining system architecture process.....	20
	7.8 Implementing system architecture process.....	21
	7.9 Implementing pre-incident gathering, storage, and handling of data representing potential digital evidence process.....	21
	7.10 Implementing pre-incident analysis of data representing potential digital evidence process.....	21
	7.11 Implementing incident detection process.....	21
	7.12 Assessment of implementation process.....	22
	7.13 Implementation of assessment results process.....	22
8	Initialization processes	22
	8.1 Overview of initialization processes.....	22
	8.2 Incident detection process.....	23
	8.3 First response process.....	24
	8.4 Planning process.....	24
	8.5 Preparation process.....	24
9	Acquisitive processes	25
	9.1 Overview of acquisitive processes.....	25
	9.2 Potential digital evidence identification process.....	25
	9.3 Potential digital evidence collection process.....	26
	9.4 Potential digital evidence acquisition process.....	26
	9.5 Potential digital evidence transportation process.....	26
	9.6 Potential digital evidence storage and preservation process.....	26

- 10 Investigative processes27**
 - 10.1 Overview of investigative processes 27
 - 10.2 Potential digital evidence acquisition process 28
 - 10.3 Potential digital evidence examination and analysis process 28
 - 10.4 Digital evidence interpretation process 28
 - 10.5 Reporting process 28
 - 10.6 Presentation process 29
 - 10.7 Investigation closure process 29
- 11 Concurrent processes29**
 - 11.1 Overview of the concurrent processes 29
 - 11.2 Obtaining authorization process 30
 - 11.3 Documentation process 30
 - 11.4 Managing information flow process 30
 - 11.5 Preserving chain of custody process 30
 - 11.6 Preserving digital evidence process 31
 - 11.7 Interaction with physical investigation process 31
- 12 Digital investigation process model schema31**
- Annex A (informative) Digital investigation processes: motivation for harmonization33**
- Bibliography37**