

INTERNATIONAL STANDARD

**ISO
28000**

Second edition
2022-03

Security and resilience — Security management systems — Requirements



Reference number
ISO 28000:2022(E)

© ISO 2022



COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Context of the organization	4
4.1 Understanding the organization and its context	4
4.2 Understanding the needs and expectations of interested parties	4
4.2.1 General	4
4.2.2 Legal, regulatory and other requirements	4
4.2.3 Principles	5
4.3 Determining the scope of the security management system	6
4.4 Security management system	6
5 Leadership	7
5.1 Leadership and commitment	7
5.2 Security policy	7
5.2.1 Establishing the security policy	7
5.2.2 Security policy requirements	8
5.3 Roles, responsibilities and authorities	8
6 Planning	8
6.1 Actions to address risks and opportunities	8
6.1.1 General	8
6.1.2 Determining security-related risks and identifying opportunities	9
6.1.3 Addressing security-related risks and exploiting opportunities	9
6.2 Security objectives and planning to achieve them	9
6.2.1 Establishing security objectives	9
6.2.2 Determining security objectives	10
6.3 Planning of changes	10
7 Support	10
7.1 Resources	10
7.2 Competence	10
7.3 Awareness	11
7.4 Communication	11
7.5 Documented information	11
7.5.1 General	11
7.5.2 Creating and updating documented information	11
7.5.3 Control of documented information	12
8 Operation	12
8.1 Operational planning and control	12
8.2 Identification of processes and activities	12
8.3 Risk assessment and treatment	13
8.4 Controls	13
8.5 Security strategies, procedures, processes and treatments	14
8.5.1 Identification and selection of strategies and treatments	14
8.5.2 Resource requirements	14
8.5.3 Implementation of treatments	14
8.6 Security plans	14
8.6.1 General	14
8.6.2 Response structure	14
8.6.3 Warning and communication	15
8.6.4 Content of the security plans	15

	8.6.5 Recovery	16
9	Performance evaluation	16
9.1	Monitoring, measurement, analysis and evaluation.....	16
9.2	Internal audit.....	17
9.2.1	General.....	17
9.2.2	Internal audit programme	17
9.3	Management review	17
9.3.1	General.....	17
9.3.2	Management review inputs	18
9.3.3	Management review results.....	18
10	Improvement.....	18
10.1	Continual improvement.....	18
10.2	Nonconformity and corrective action.....	19
	Bibliography	20