

CONTENT

Preface.....	4
Chapter 1. ESSENCE, ROLE AND CHARACTERISTICS OF THE CYBERSECURITY METRICS.....	6
1. Theoretical part.....	6
2. Main questions and key concepts.....	29
3. Knowledge verification test:.....	30
Chapter 2. TYPES OF CYBERSECURITY METRICS.....	37
METRICS EFFECTIVENESS CRITERIA.....	37
1. Theoretical part.....	37
2. Main questions and key concepts.....	59
3. Knowledge verification test:.....	60
Chapter 3. BUILDING CYBERSECURITY METRICS SYSTEMS	65
1. Theoretical part.....	65
2. Main questions and key concepts.....	87
3. Knowledge verification test:.....	87
Chapter 4. CYBERSECURITY RISK MEASUREMENT METRICS	93
1. Theoretical part.....	93
2. Main questions and key concepts.....	113
3. Knowledge verification test:.....	114
Chapter 5. BALANCED SCORECARDS FOR CYBERSECURITY MEASUREMENT.....	120
1. Theoretical part.....	120
2. Main questions and key concepts.....	144
3. Knowledge verification test:.....	145
Chapter 6. UNDERSTANDING AND USING THE DATA FROM THE CYBERSECURITY MEASUREMENT.....	152

1. Theoretical part.....	152
2. Main questions and key concepts.....	168
3. Knowledge verification test:.....	169
Chapter 7. MEASUREMENT DATA ANALYSIS TECHNIQUES	
.....	176
1. Theoretical part.....	176
2. Main questions and key concepts.....	197
3. Knowledge verification test:.....	197
Chapter 8. PROBLEMS DIAGNOSTICS AND TECHNICAL	
SECURITY MEASUREMENT.....	203
1. Theoretical part.....	203
2. Main questions and key concepts.....	231
3. Knowledge verification test:.....	231
Chapter 9. AUTOMATION AND THE USE OF CYBERSECURITY	
METRICS.....	238
1. Theoretical part.....	238
2. Main questions and key concepts.....	260
3. Knowledge verification test:.....	261
Chapter 10. CYBERSECURITY METRICS VISUALIZATION.....	268
1. Theoretical part.....	268
2. Main questions and key concepts.....	294
3. Knowledge verification test:.....	295
ANSWERS TO THE TEST QUESTIONS.....	301
REFERENCE LITERATURE.....	323
ABOUT THIS BOOK.....	324