

Table of Contents

Forward

Section I: A Social Contract for Cybersecurity

Chapter 1— A Brief History of the Cybersecurity Problem and Policies That Have Attempted To Address It

Larry Clinton, President and CEO, Internet Security Alliance

Chapter 2— A Twelve-Step Program for Implementing the Cybersecurity Social Contract

Larry Clinton, President and CEO, Internet Security Alliance

Section II: Cybersecurity in Industry Sectors

Chapter 3—Cybersecurity in the Defense Industrial Base

Jeff Brown, Chief Information Security Officer, Raytheon

JR Williamson, Corporate Chief Information Officer, Northrup Grumman

Chapter 4—Cybersecurity in the Healthcare Industry

Dustin Wilcox, Vice President and Chief Information Security Officer, Centene

Chapter 5—Cybersecurity in the Banking and Finance Sector

Daniel Crisp, chief Information Risk Officer And Head Of Technology Compliance, BNY Mellon

Larry Trittschuh, Threat And Vulnerability Leader, Synchrony Financial

Gary McAlum, Chief Security Officer And Senior Vice President, USAA

Chapter 6—Cybersecurity in the Power Utility Sector

Scott DePasquale, Chairman and CEO, Utilidata

Chapter 7—Cybersecurity and the Information Technology Industry

Art Coviello Jr., Executive Chairman (retired), RSA

Chapter 8—Cybersecurity in Telecommunications

Richard Spearman, Group Corporate Security Director, Vodafone

Chapter 9— Winning the Cyber Talent War: Strategies to Enhance Cybersecurity Workforce Development

Dr. David Brumley, Professor of Electrical and Computer Engineering and Director of Carnegie Mellon's CyLab Security and Privacy Institute

Chapter 10—Cybersecurity in the Manufacturing Sector

Brian Raymond, Director of Innovation Policy, National Association of Manufacturers

Chapter 11—Cybersecurity in the Food and Agriculture Sector

Dr. Robert Zandoli, Global Chief Information Security Officer, Bunge Limited

Section III: Cross-Cutting Issues in Cybersecurity

Chapter 12— The Evolving Role of Boards in Cyber Risk Oversight

Ken Daly, CEO, National Association of Corporate Directors
Larry Clinton, president and CEO, Internet Security Alliance

Chapter 13—A New Model for Cybersecurity and Auditing

Center for Audit Quality

Chapter 14—The Role of Cyber Insurance in Promoting Cybersecurity

Tracie Grella, Global Head of Cyber Risk Insurance, AIG

Chapter 15—Deploying a Voluntary Cyber-Resilience Program: A Strategic Imperative

Andrea Bonime-Blanc, JD/PhD, CEO, GEC Risk Advisory

Chapter 16—The Digital Equilibrium Project: Balancing Cybersecurity and Privacy

James Kaplan, Partner, McKinsey & Co
Salim Hasham, Partner, McKinsey & Co
Chris Rezek, Senior Expert, McKinsey & Co

Chapter 17—Best Practices for Cybersecurity Public-Private Partnerships

Larry Clinton, President and CEO, Internet Security Alliance

Appendix A: Ten Cybersecurity Items for the President's First 100 Days

Appendix B: Briefing Memos