

# **Contents**

	<i>Page</i>
Chapter 1. Executive Summary . . . . .	3
Chapter 2. Introduction . . . . .	13
Chapter 3. The Vulnerabilities of Electronic Information Systems . . . . .	23
Chapter 4. Security Safeguards and Practices . . . . .	51
Chapter 5. Improving Information Security . . . . .	95
Chapter 6. Major Trends in Policy Development . . . . .	131
Chapter 7. Federal Policy Issues and Options . . . . .	151
Appendix A. Requesting Letters . . . . .	163
Appendix B. National Policy on Protection of Sensitive, but Unclassified Information in Federal Government Telecommunications and Automated Information Systems . . . . .	165
Appendix C. The Data Encryption Standard . . . . .	168
Appendix D. Message Authentication, Public-Key Ciphers, and Digital Signatures . . . . .	174
Appendix E. Acronyms . . . . .	182
Appendix F. Contributors and Reviewers . . . . .	183