# Appendix: Boxes, Figures, and Tables

# **BOXES**

### Chapter 1

- 1-1 Some Examples of How Businesses Are Using Information Networks, p. 8
- 1-2 The Economic Environment, p. 11
- 1-3 Online Information and Services Market, pp. 16-17
- 1-4 Enterprise Integration, p. 21
- 1-5 Shared Information Systems, p. 22
- 1-6 Networking for Economic Advantage, p. 24
- 1-7 Technology Applications To Support Organizational Change, pp. 25-26
- 1-8 Markets, Firms, and Networks: Their Relationship to Information Technology, p. 28
- 1-9 Electronic Data Interchange, p. 29
- 1-10 Electronic Commerce Matrix, pp. 30-31

# Chapter 2

- 2-1 Groupware Product Growth by Product Category, p. 44
- 2-2 Intelligent Network, p. 45
- 2-3 American Information Exchange (AMIX) Network, pp. 48-49
- 2-4 Organizational Restructuring: The Cases of Saturn and Ford, p. 53
- 2-5 A Flexible or Fragmented Workforce?, p. 57

### Chapter 3

- 3-1 Support for Minitel in France, p. 74
- 3-2 The Modified Final Judgment, p. 75

# Chapter 4

- 4-1 Standards Universe: Type of Standard by Goals, pp. 86-87
- 4-2 National Initiative for Product Data Exchange (NIPDE), p. 88
- 4-3 Open Systems Interconnection (OSI) Reference Model, p. 90
- 4-4 Integrated Services Digital Network (ISDN), p. 91
- 4-5 The Global Internet, pp. 92-93

### Chapter 6

- 6-1 NIST's MTCs Respond to the Needs of Small Manufacturers, p. 122
- 6-2 A Sampling of Statewide and Regional Network Programs, p. 125
- 6-3 MIT's Engineering-Management Distance Learning Project, p. 131

### Chapter 7

- 7-1 Role of Government in Structuring the American Marketplace, p. 140
- 7-2 Intellectual Property Law, p. 141
- 7-3 Communications Act of 1934, p. 141
- 7-4 Interstate Commerce Commission, p. 144
- 7-5 Automated Teller Machine Networks, p. 149

# **FIGURES**

# Chapter 1

- 1-1 Factors Determining Economic Performance, p. 9
- 1-2 Share of Major International Joint Ventures, p. 12
- 1-3 Growth of Private and Public Electronic Mail Networks, p. 13
- 1-4 Information Technology as a Share of Total Investment in Producers' Durable Equipment, p. 14
- 1-5 Capital Endowment in the Service Sector, p. 14
- 1-6 Annual Online Vendor Growth 1983-92, p. 16
- 1-7 Annual Online Database Growth, 1983-92, p. 17
- 1-8 Annual Database Publisher Growth 1983-92, p. 17
- 1-9 Enterprise-Wide Computer Network, p. 21
- 1-10 Network of Networks, p. 22
- 1-11 Networking for Economic Advantage, p. 24
- 1-12 Performance Criteria, Organizational Responses, and Technology Support, p. 26
- 1-13 Electronic Data Interchange (EDI), p. 29
- 1-14 Electronic Commerce Matrix, p. 31

### Chapter 2

- 2-1 America's Leading High-Tech Users, p. 39
- 2-2 Groupware Product Growth by Product Category, p. 44
- 2-3 Intelligent Network, p. 45
- 2-4 American Information Exchange (AMIX) Network, p. 49
- 2-5 Forming the Partnership: A Two-Stage Process, p. 55

# 168 I Electronic Enterprises: Looking to the Future

# Chapter 3

- 3-1 Information Industry, 2001, p. 67
- 3-2 Electronic Market to the Home, p. 68
- 3-3 Economies of Agglomeration, p. 68
- 3-4 Common Carriage "Rights-of-Way," p. 69
- 3-5 Global Telecommunications Alliances, p. 77

# Chapter 4

- 4-1 Type of Standard by Goals, p. 86
- 4-2 OSI Reference Model, p. 90
- 4-3 Growth of Networks Connected to the Internet, p. 92
- 4-4 Uses of Internet Networks and Internet Protocol Internets, p. 93
- 4-5 CALS in the Context of the Information Infrastructure, p. 95

# Chapter 6

- 6-1 Total Training Budgets for U.S. Corporations, p. 130
- 6-2 Upgrade Training by Occupation, p. 135

# **TABLES**

# Chapter 1

1-1 Changing Organizational Patterns in U.S. Industry, p. 18

### Chapter 5

5-1 The Federal R&D Tax Credit, p. 107

# Chapter 6

- 6-1 Information Services, Databases, and Conferences on TECnet, p. 123
- 6-2 Comparison of Workforce Training, p. 134