Index

A
agency theory 92
AICAMS project 228
aligned development, frameworks for 124
alignment, definition of 124
alignment, governance structure for 168
alignment, strategic planning for 148
alliance theory 92, 251
analysis stage 24
application systems provider (ASP) 154
architectural options 127
assessment stage 25
asset recovery investigations 218
Association of Chief Police Officers (ACPO) 235
atomic e-business models, eight 205

B
benchmark variables 163
benchmark variables, eight 248
benchmark variables, theory-based 251
Børnoysund Register Center 102
business direction 158
business dynamics 261, 266
business process integration and interoperability 243
business situation, describing the current and desired 157
business strategy 149

C
case-based reasoning systems 228
causal loop diagramming 267
CIO, developing an Internet strategy 203
CIO, developing competitive strategy 202
CIO, enabling IT governance 194
CIO, leadership roles 195
CIO, role of 190
CIO, selecting e-business model 204
CIO, sourcing IT resources 193
CIO position, the 191
CIO roles, six 197
collaborative networks 128, 129
communication competence 224
competitive forces 159
crime mapping, capabilities 28
connected governance 135
content provider 212
contractual theory 93
COPLINK 226
CORA (Crime Objective Results & Analysis) 227
crime mapping 26
cross-functional, horizontal business processes 244
cross-organizational business processes (CBP) 126

D
decision makers 177
decision rights 177
decision rights distribution 183
decisions, categories of 178
detectives, how they work 233
direct to customer 205
dynamic business performance 265

E
e-business 3
e-business models 3
e-government, concept of 2
e-government, dynamics 261
e-government, integration 18
e-government, overcoming barriers to 261
e-government, primary stakeholders 264
e-government, seven categories of barriers 262
e-government, solutions to barriers in the future 263
e-government actors, training 141
e-government inter-agency dealing (G2G) 2
e-government interoperability, stages of 108
e-government projects, assessment of 264
e-government readiness, global assessment of 4
e-procurement 86, 91
effective detective, skills and abilities 234
electronic commerce (EC) 198
electronic government, interoperability in 6
electronic knowledge repositories 226
electronic markets 134
electronic voting 143
entity, definition of 89
environmental analysis 159
Environmental Protection Agency (EPA) 87
evolution of integration, four stages of 100
external knowledge analysis 160

F
federated (decentralized) architecture 127
full-service provider 206

G
geographic information systems (GIS) 22, 32, 221
geographic information systems (GIS), interoperability 22
geographic information systems applications, eight maturity levels of 28
governance, contracts in 172
governance structure, for alignment 168
government and business enterprises (G2B) 2
government and citizens (G2C) 2
government data, Semantic integration of 87

H
HOLMES system 222
Hong Kong framework 131

I
identity management, in information resources 89
information asymmetry 88
information-intensive business processes 244
information distribution (one-to-many) architecture 128
information resource integration 86
information sharing 88
information systems, in police investigations 221
integration projects, managing 95
inter-organizational information integration 89
inter-organizational integration, theoretical approaches to 91
intermediaries 208
internal knowledge analysis 160
interoperability 217, 238
interoperability, and systems integration 17
interoperability, benchmark variables 248
interoperability, benefits of 10
interoperability, between police and customs in Norway 114
interoperability, in police investigations 217
interoperability, levels of organizational 242
interoperability, norms of importance 251
interoperability, of organizations 19
interoperability, of systems 19
interoperability, stage model for 111
interoperability, technical, Semantic and organizational 19
interoperability frameworks 21
interoperability research 254
interoperability strategy 246
investigative value shop 231
IT business value 272
IT governance, definition of 169
IT resources, aligning to the organization’s strategy 56
IT resources, effect of on organizational performance 58

J

joint military operations 142

K

knowledge, filtration of 229
knowledge-based systems 227
knowledge-sharing environment 229
knowledge creation 245
knowledge management 153
knowledge management interoperability 245
knowledge management systems 221
knowledge management systems stage model 228
knowledge organizations 221
knowledge sharing 221, 245
knowledge workers, in investigations 233

M

market strategy 158
mission, definition of 150
modeling methods, for interoperability 137

N

National Criminal Intelligence Service (NCIS) 237
national intelligence model (NIM) 235
national intelligence model (NIM), nine individual elements 235
Norway 220, 238

O

officer-to-application stage 227
officer-to-information stage 225
officer-to-officer stage 223
officer-to-technology stage 222
one-stop e-government service provision 130
one-to-one transactional messaging architecture 128
organization, as value chain 67
organization, as value network 72
organization, as value shop 68
organizational cultures 81
organizational governance 171
organizational interoperability 111
organizational interoperability, determining 254
organizational interoperability, four levels of 242
organizational performance 271
organizational structures 75
organizations, value configurations of 66

P

Pocket Man, pedophile 237, 238
police investigation, stages of growth for 222
police investigations, how they work 219
problem-oriented policing 26
problem-oriented policing (POP) 230
product portfolio analysis 159
projects, five categories of 97
project strategy 99
Index

public sector demographics 119
public sector entrepreneurship 115

R
relational exchange theory 94, 251
resources, characteristics of 40
resources, governance of 177
resource strategy 60, 63
resource theory of organizations 39
response stage 25
return on investment (ROI) 86

S
SARA model, four stages of 24
scanning stage 24
Semantic interoperability 20
Semantic network 20
senior investigating officer (SIO) 220
sequential coupling 126
service-oriented architecture (SOA) 125, 138
shared infrastructure 209
shared services organizations 141
shortest-path algorithms 221
slack resources 54
social exchange theory 95
SSMT (Scientific Support Modeling Tool) 228
stage hypothesis 252
stage model, for interoperability 111
stage models, in organizational studies 109
stakeholder approach to strategic management 180
stakeholders 180, 264
stakeholder theory 94, 181
state funded tourism marketing 99
strategic alignment 112, 160
strategic IT resources 48
strategic planning 153
strategic planning, for alignment 148
strategic positioning, six fundamental principles of 203
strategic resources, characteristics of 44
strategy, levels and elements 149
strategy position interoperability 246
SWOT analysis 158
system dynamics modeling 269

T
t governance, why is it important 175
theory-based benchmark variables 251
type of core competencies 94
type of organizational boundaries 94
three-level framework 132
type cost economics 14, 15
type costs 113
type costs, five attributes 256
type costs, measuring 256
type cost theory 11, 12, 251

U
Unified Enterprise Modeling Language (UEML) 125, 137
United Kingdom’s Serious Organized Crime Agency (SOCA) 237
urban information integration 90
urban planning 90
used modeling language (UML) 103

V
value chain 74
value configuration 231
value configuration interoperability 246
value configurations 114
value configurations, comparison of 74
value net integrator 211
value network 74
value shop 74
value shop, five primary activities of in relation to police investigation 231
virtual community 210
vision, definition of 150

W
warehouse (centralized) architecture 128
Web-based Inter-organizational initiatives 133
whole of enterprise 207
X
X model  158

Y
Y-model for IS/IT  148
Y-Model for IS/IT strategy work  153