Index

Symbols
3G 122, 140, 147, 140, 141, 142, 143, 145, 146, 147, 148, 151
CEN/CENELC 255
CEN Workshop 11, 21, 96, 207, 208, 209, 214
China 120, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151
closed loop scenarios 58
collaboration 254, 255, 257, 260, 261, 265, 266, 268
collaborative event management (CEM) 137
collaborative planning forecasting and replenishment (CPFR) 138, 139
commercial topology 46
communication infrastructures 203
competitive advantage 256
computational GRIDs 4
confidentiality of communications 204
conformance clause 192
corporation 255, 257, 267
corporation 261, 263
cross-national working practices 219
customer relationship management (CRM) 224

A
ANEC 264
Apple 99, 101, 113, 114, 116, 119
applications 260, 261, 265
authentication 204
automotive industry 56, 58, 253, 254, 255, 257, 260, 264
automotive LAN protocol 152, 153, 154, 156, 158, 167
automotive open system architecture (AUTO-SAR) 157

B
business and personal communications 203
business model 3, 5, 31, 33, 40, 41, 42, 43, 44, 45, 46, 47, 48, 78, 95, 99, 125, 269
business processes 254, 257, 260, 261, 262, 263, 265, 266
Business W@tch 4, 6, 7

C
Car area networks 84
CCITT 255
CDMA2000 145, 146, 148, 150
European Computer Manufacturers Association
European Committee for Standardization
European Commission
ETSI partnership projects
Ethernet
ePractice.eu
EPCglobal
engineering and management (E&M)
End-of-Life Vehicle Directive
encryption, extensive use of
encryption
electronic signatures
electronic marketplaces
electronic marketplace
electronic communication via open networks
electronic communication networks
electronic marketplace
electronic marketplaces
electronic signatures
electronic communication via open networks
encryption
cryptographic authentication
End-of-Life Vehicle Directive
engineering and management (E&M)
European Commission
European Committee for Standardization
European Computer Manufacturers Association
European Handbook for Open Systems
European Interoperability Framework (EIF)
European legislation
European Telecommunications Standards Institute
European Union Data Privacy Directive
external mechanism
factors of innovation
factor analysis
fair/reasonable and non-discriminatory (F/RAND)
Firefox
FlexRay
FlexRay Consortium
formalization
generalized economy
General Motors’ Manufacturing Automation Protocol (MAP)
globalized economy
high profit margins
HIPERLAN
HomeRF
home-replacement cycles
implementation
incompatibility
industry standard
informational transaction costs
information and communication technology
information infrastructure
information services, availability of
Index

information society 204
information systems 202
infrastructure 1, 3, 4, 5, 6, 7, 257, 258, 260, 261, 266
integrity 204
intellectual property rights 78, 189
internal controlling instrument 219
International Electrotechnical Commission 79, 183, 268
international ICT industry 221
International Organization for Standardization 95, 198, 207, 217, 237, 268
International Organization for Standardization (ISO) 54
International Telegraph and Telephone Consultative Committee 80, 268
Internet engineering task force (IETF) 207
Internet law policy forum (ILPF) 207
interoperability 2, 10, 11, 14, 16, 17, 18, 19, 20, 21, 22, 23, 51, 59, 60, 74, 77, 89, 114, 125, 152, 154, 155, 159, 160, 161, 162, 163, 165, 166, 167, 168, 170, 173, 175, 180, 181, 182, 186, 188, 190, 191, 192, 193, 194, 195, 196, 197, 198, 202, 205, 206, 207, 210, 211, 212, 214, 254, 256, 257, 266
interorganizational systems 254, 257
IOS 254, 257, 260, 267
IPR policy 71, 73, 74, 86, 88, 90, 92, 93, 160, 161, 166
IS discipline, theoretical and practical implications 247
ISIS-MTT specifications 212
ISO 255, 259
ISO/IEC 255
ISO 9000 family of standards 241
ITU 259, 268

J
Japan Automotive Software Platform and Architecture (JasPar) 153

L
lack of standards 55, 59, 189, 209
life-cycle of a standard 174

M
maintenance change 177, 178
market strategy 176, 177, 178, 261
modern electronic communications development 202
modern information systems 203

N
national legislation 206
nearshore processes 231
neo-Schumpeterian 33, 51
networks and information systems are converging and becoming increasingly interconnected 202
new communication technologies 202
NORMAPME 264

O
OASIS 255
ODETTE 266
offshore tasks 220
open networks 203
open standard 7, 98, 99, 101, 106, 110, 195, 196, 197
open standards trend 189
Open Systems Interconnection Standards (OSI) 131
Open XML 11
Opera 191
original equipment manufacturers 268
OSI protocol stack 105, 268
polllitical divide 225
polllitical markets 140, 142, 143, 144, 150
portals 254, 260, 261, 262, 266
proprietary systems 259

Q
qualitative methods 258
quality standards 178, 182, 201, 219, 220, 221, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232

R
RACE project 3
radio frequency identification (RFID) 53, 54, 133, 141
reasonale and non-discriminatory (RAND) 194
regulation 204
reliable electronic signatures 206
RFID products 5
RFID supply chain 58
royalty free 96

S
sector-specific harmonization 253, 254
Semantic Web 6, 138, 139
service/product constructs 245
service standards 9, 12, 13, 20, 24, 25, 26, 27, 28, 29, 30
signature-creation devices 208, 214
signature policies 208, 216
simple object access protocol (SOAP) 4
single point of entry 260, 265
software engineering (SwE) 236–252
spread spectrum 104, 105, 107, 116
stakeholders 31, 34, 35, 36, 37, 38, 40, 41, 42, 43, 44, 45, 46, 65, 76, 82, 84, 87, 88, 92, 93, 172, 188, 189, 191, 193, 194, 210, 221, 254, 258, 259, 261, 264, 267
standard for the exchange of product (STEP) 136
standardized technology 257, 262, 265

standards 253, 254, 255, 256, 257, 258, 259, 261, 262, 263, 264, 265, 266
standards-setting process 254
standards change 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 186
standards developing organisations (SDOs) 2
standards dynamics 180, 182, 185
standards setting 254, 255, 258, 264, 266
standards setting bodies (SSBs) 2
suppliers 253, 254, 255, 257, 260, 261, 262, 263, 264, 265, 266
supply chain 254, 255, 256, 260, 266
supply chain management (SCM) 224
SupplyOn 261, 262, 263
suprasystem 247
SWIFT standards 135
systems engineering (SE) 236–252

taxonomy 12, 13, 20, 22, 24, 25, 26, 27, 28, 29, 30
TD-SCDMA standard 140, 141, 147, 149
Third Estate 264
tier-1 suppliers 255, 261, 262
total quality management (TQM) 221
transaction cost 79, 141, 142, 143, 144, 150
transport and office protocol (TOP) 268
TTP/C 156, 169

UK Simpler Trade Procedures Board 129
United Nations Trade Data Interchange (UNTDI) 129
universalility 128, 162, 163, 165, 222

value chain 127, 133, 135, 139, 148
value proposition 43, 44

W
W3C 255
Web content accessibility guidelines (WCAG) 14
Index

Web Mark-up languages 134
Web services definition language (WSDL) 4
Wi-Fi Alliance 114
wide availability 206
wireless-LAN.  Zie WLAN
worldwide communication 204