

Index

Symbols

2008 Farm Act 156

A

Application-Server Interface (SNI) 86
 asymmetric digital subscriber lines (ADSL)
 75, 77, 78, 79, 80, 83, 84, 85, 87, 89, 91,
 201, 211, 212, 244, 246, 247, 248, 249,
 250, 253, 254, 258, 259, 272
 asymmetric legislative 22
 AT&T 74, 76, 77, 78, 91

B

Bottleneck Facilities 90
 Bristol Virginia Utilities (BVU) 138
 broadband 1-15, 18, 19, 20, 48-55, 73, 74, 75,
 77-91, 110, 112, 114, 115, 116, 118, 120-
 142, 156-159, 164-170, 198-212, 215-
 229, 233, 234, 237, 238, 239, 240, 258,
 259, 265, 269, 270
 Broadband Deployment 234, 237
 Broadband Diffusion 228, 235, 236, 237
 Broadband over Power line (BPL) 217, 237
 Broadband Penetration 222, 228, 237
 Broadband Subscribers 221, 227, 229, 237,
 239
 Broadband Wireless Access (BWA) 218, 219,
 220

C

Canal+ 245, 249, 250, 251, 253, 254
 CANARIE 137
 Cape Town Internet Exchange (CINX) 16, 19
 Census' Current Population Survey (CPS) 159,

160, 161, 162, 163, 164, 165, 166, 167,
 168

China Communications Network Corporation
 (CCNC) 52
 China Internet Network Information Centre
 (CNNIC) 48, 49, 54, 55
 China Netcom 52
 China Telecom 51, 52, 53
 Chinese Academy of Science (CAS) 52
 Chunghwa Telecom (CHT) 258, 259, 262, 263,
 267, 268, 269, 270, 271, 272
 Code Division Multiple Access (CDMA2000)
 5, 20
 Comcast Decision 72
 Competitive Local Exchange Carriers (CLECs)
 78
 Conduct Regulation 91
 Consumer Price Index (CPI) 23
 Customer Premises Equipment (CPE) 131

D

deep packet inspection (DPI) 66
 Digital Subscriber Line (DSL) 58, 59, 61, 70,
 72, 217, 219, 221, 230, 231, 237, 238,
 239, 240
 Displacement Theory 272
 Distributed European Infrastructure for Super-
 computing Applications (DEISA) 147,
 148, 149, 152

E

East African Submarine System (EASSY) 17
 e-business 113
 Economic Development Board (EDB) 116,
 126

Index

Efficient Component Pricing Rule (ECPR) 28, 29
e-government 111, 112, 114, 122
e-Infrastructure 143, 144, 147, 151
E-Marketing 186, 192, 194
Enabling Grids for E-sciencE - III (EGEE-III) 147, 148
Enabling Virtual Access to Latin-American Southern Observatories (EVALSO) 147, 150, 152, 153
e-Research 143, 144, 145, 151
e-Science 143, 144, 145, 147, 148, 151
Eurobarometer (EB) 95
European Commission (EC) 75, 79, 88, 90, 91, 129, 133, 134, 141
European Grid Initiative (EGI) 148
European Research and Education Networks (EREN) 143, 144, 151
European Southern Observatory (ESO) 150
European Union (EU) 129, 133, 134, 140, 141

F

Facebook 185, 186, 188, 196, 197
Federal Communications Commission (FCC) 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 69, 70, 71, 72, 75, 77, 78, 79, 88, 90, 91, 217, 220, 229, 235
FEDERICA 147, 149, 150, 152, 153
Fiber-to-the-Curb (FTTC) 217
Fiber-to-the-Home (FTTH) 129, 130, 131, 135, 137, 138, 140, 217, 221
Fibre To The Premises (FTTP) 130
Fixed Broadband 209, 211
fixed-line 1, 2, 5, 6, 11, 12, 17, 18
fixed-wireless 6, 11
Foreign Direct Investment (FDI) 111, 113, 114, 118, 119, 122, 123, 124, 126
Free 247, 249, 251, 253, 254
FTTx 75, 77, 78, 80, 81, 82, 83, 84, 85, 86, 91
Functional Displacement 258, 262, 263, 272
Functional Separation 88, 90, 91

G

GÉANT 143, 144, 145, 146, 147, 148, 149, 150, 151, 153, 154

GeBIZ 116
gender evaluation methodology (GEM) 173, 183
Gender Research in Africa into ICTs for Empowerment (GRACE) 173
Government Information Office (GIO) 259, 272
Grameen Phone Community Information Center (GPCIC) 172, 174, 176, 178, 179, 180
Greece 92, 93, 95, 96, 97, 99, 100, 101, 102, 103, 104, 105, 106, 107
Gross Domestic Product (GDP) 113, 114, 117, 121, 122, 126

H

High Definition Television (HDTV) 129
High Speed Downlink Packet Access (HSPDA) 5, 11, 14, 18, 20
Hong Kong Trade Development Council (HK-TDC) 113
Hybrid Fiber Copper (HFC) 217

I

Independent Communication Authority of South Africa (ICASA) 16, 18, 21
Information and Communication Technology (ICT) 92, 93, 94, 95, 96, 97, 99, 100, 101, 102, 104, 105, 106, 107, 111, 133, 134, 141, 171, 172, 173, 174, 176, 178, 179, 180, 181, 182, 183, 215, 219, 236, 238
Information Society 98, 99, 100, 105, 106, 107
Information Technology and Innovation Foundation (ITIF) 49, 55
Information Technology (IT) 98, 100, 107
Integrated Services Digital Network (ISDN) 2, 21
International Telecommunication Union (ITU) 172, 174, 181
Internet Policy Statement 57, 59, 60, 64, 65, 66, 70, 71
Internet Protocol (IP) 62, 66, 68, 218, 220, 237, 239

- Internet Protocol TV (IPTV) 113, 243, 244, 245, 247, 248, 250, 251, 252, 253, 254, 255, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272
- Internet Service Provider (ISP) 3, 14, 15, 32, 33, 34, 35, 36, 40, 42, 57, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 137
- Internet Stack 72
- Internet Usage Patterns 211
- ITU Standardization Sector (ITU-T) 216
- J**
- JANET 145, 147, 154
- JANET Videoconferencing Service (JVCS) 147
- Johannesburg Internet Exchange (JINX) 16, 19
- Joint Information Systems Committee (JISC) 145
- K**
- Kiwi Share 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 40, 41, 42, 46
- Korea Information Infrastructure (KII) 116
- L**
- Local Exchange Carriers (LECs) 77, 78, 79
- Local Loop Unbundling (LLU) 17, 21, 36, 37, 38, 39, 40, 79, 80, 81, 83, 87
- M**
- Metropolitan Area Networks (MANs) 136
- Millennium Development Goals (MDGs) 172, 174
- Ministry of Commerce (MoC) 26, 29
- Ministry of Economic Development (MED) 26, 35, 39
- Ministry of Industry and Information Technology (MIIT) 51, 52, 53, 56
- Ministry of Information and Communication (MIC) 116, 117, 118
- Ministry of Post and Telecommunications (MPT) 52
- Mobile Broadband 210, 211
- mobile telephony 92, 93, 94, 95, 96, 97, 99, 100, 101, 102, 103, 104, 105, 108
- Mobile Wireless Broadband 237
- M. S. Swaminathan Research Foundation (MS-SRF) 172, 182
- Multimedia Research Group (MRG) 258
- Multinomial Logit Model 211
- Multiple System Operators (MSOs) 78, 82
- MySpace 185, 188, 196
- MyWireless 4, 11
- N**
- National Association of Telecommunications Officers and Advisors (NATOA) 138
- National Communications Commission (NCC) 259, 272
- National Grid Initiatives (NGIs) 148
- National Information Infrastructure (NII) 110, 112, 122
- National Research and Education Networks (NRENs) 144, 145, 146, 147, 148, 149, 151
- National Research Council (NRC) 217
- National Telecommunications and Information Administration and Economic and Statistics Administration (NTIA) 157, 170
- Network-Network Interface (NNI) 86
- Network Neutrality 57, 71, 72
- Neuf 248, 249, 250, 251, 254
- Next Generation Network (NGN) 37, 72, 81, 84, 85, 86, 87, 91
- Nomadic Broadband 211
- Nomenclature of Territorial Units for Statistics (NUTS II) 201
- Notice of Inquiry (NOI) 57, 58, 59
- NTT 73, 74, 75, 76, 77, 80, 81, 82, 83, 84, 86, 87, 88, 89, 91
- O**
- One Network for Everyone (ONE) 114, 115
- Optical Line Terminal (OLT) 130
- Optical Network Units (ONUs) 130
- Organisation for Economic Co-operation and Development (OECD) 128, 129, 131, 132, 133, 134, 136, 140, 142, 217, 220, 221

Index

P

Passive Optical Networks (PONs) 130
PEW 157, 158, 159, 160, 170
Plain Old Telephone Service (POTS) 73, 74,
75, 76, 77, 79, 80, 83, 84, 85, 87, 91, 129
Platform Displacement 258, 260, 262, 263,
264, 267, 268, 270, 272
Point to MultiPoint (P2MP) 130
Point-to-Point (PtP) 130, 131
Portugal Telecom (PT) 201
Public Private Partnership (PPP) 136
Public Switched Telephone Network (PSTN)
2, 21

R

Relative Risk Ratio 211

S

SEACOM 12, 16, 18, 20
Self Employed Women's Association (SEWA)
172
small and medium-sized enterprises (SMEs) 9,
21, 115, 116, 126
social networking 184, 185, 188, 190, 192, 194
South African Internet community 4
Special Administrative Region (SAR) 110,
112, 113, 124, 127
State Administration of Radio, Film, and Tele-
vision (SARFT) 52, 53
State-Owned Enterprise (SOE) 26
Structural Separation 73, 89, 91

T

tariff 22, 23, 26, 31, 34, 38, 40, 41, 42, 45
Telecommunications Carriers' Forum (TCF)
24, 25, 31
Telecommunications Service Obligation' (TSO)
30, 31, 36, 40, 41, 46
Telecommunications Users' Association of New
Zealand (TUANZ) 29, 36, 46
Teledensity 21
TF1 Vision 250, 251, 252, 253, 254
Time Displacement 258, 259, 261, 262, 263,
264, 265, 268, 269, 272
Transaction Costs 90, 91

Two-tier Internet 72

U

Ultra Broadband convergence Network (UBcN)
135
United Nations Development Program (UNDP)
173, 181, 182, 183
U.S. Department of Agriculture (USDA) 156,
157
User-Network Interface (UNI) 86
Utah Telecommunication Open Infrastructure
Agency (UTOPIA) 136, 137

V

Vertical Integration 73, 88, 89, 91
Very High speed DSL (VHDSL) 129, 142
Video on Demand (VoD) 243, 244, 245, 246,
248, 249, 250, 251, 252, 253, 254, 255,
257, 258, 259, 262, 263, 264, 265, 266,
269, 270
village knowledge centre (VKC) 172
Village Phone (VP) 172, 175, 176, 177, 179,
180
Viral Marketing 185, 191, 192, 193, 194, 195,
196
virtual presence system (VP system) 150
Voice over Internet Protocol (VoIP) 59, 65, 78

W

Web 2.0 5, 9, 21
West African Cable System (WACS) 17
Wireless Business Solutions (WBS) 4
wireless local area network (WLAN) 218
Word-of-mouth (WOM) 184, 185, 186, 188,
190, 191, 192, 193, 194, 195, 197
World Summit on the Information Society
(WSIS) 172, 173, 183
World Telecommunication Development Con-
ference (WTDC) 172
World Wide Interoperability to Microwave Ac-
cess (WiMAX) 84, 85, 218, 234, 236