

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)

Index

- access to telecommunications, EU
 - regulatory framework for, 48–9, 85–7, 132, 142, 154
- acquis communautaire*, 41, 47, 93
- Africa, regulatory reform in, 15, 85, 156–7
- agency model, 12
- AIG New Europe Fund, 123
- Air France, 100
- Ameritech, 97, 111, 138
- Annual Report on Exchange
 - Arrangements and Exchange Restrictions (AREAR) scale, 60, 67
- Antall, Jozef, 112–13
- Antenna Hungaria Rt, 112
- Argentina, 6, 106
- Arnbak, Jens, 145
- “Article 7 procedures” (EU), 51–2
- Association of Czech
 - Telecommunications Operators (AVPTS), 106
- Association of Regulatory and
 - Information Communications of Eastern Africa (ARICEA), 157
- Association of Telecom Operators (ATO; Slovakia), 119, 125
- asymmetric DSL (ADSL) service, 4, 123–4, 141
- Atlantic West, 123
- AT&T, 97, 120, 123
- Auria, 141
- Banestyrelsen, 138
- Basic Agreement on
 - Telecommunications Services (WTO)
 - country commitment to, 43–5, 55–6
 - Central and Eastern Europe, 117, 124, 126
 - Northern Europe, 131, 143
- as harmonization network, 41
- separate regulator
 - definition, 13
 - as requirement, 71–2, 74
- Bell Telecom Company, 83
- Body of European Regulators of
 - Electronic Communications (BEREC)
 - Central and Eastern European membership, 89, 96, 125
 - establishment of, 48–9, 51–2
 - Northern European membership, 132
 - purpose of, 52, 155
- Boix, Carles, 21
- Botswana, 156–7
- Boylaund, Olivier, 39
- Brazil, 151
- British Telecom, 97, 145

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)

196

Index

- broadband service
 - access strategies, 8–9
 - in Central and Eastern Europe, 86
 - Czech Republic, 103
 - Hungary, 109, 111
 - Poland, 113–15
 - Slovakia, 119–20
 - emergence of, 2, 4–5
 - in Northern Europe, 131
 - Denmark, 134–6
 - Finland, 140–1, 143
 - Netherlands, 143–4
 - Sweden, 148
 - private-sector participation in, 16
- business associations, in Central and Eastern Europe, 97, 99, 105–6, 125
- cable services
 - in Central and Eastern Europe
 - Czech Republic, 103, 106
 - Hungary, 111
 - Slovakia, 119–20
 - emergence of, 4, 15
 - in Northern Europe
 - Denmark, 135, 137
 - Netherlands, 144–5
 - Sweden, 148
- Campbell, John L., 129
- capitalism, varieties of, 20, 81
- capital market liberalization, 59–60, 72–3
- case analysis, design of, 60
- censoring, 70
- Centernet, 114
- Central and Eastern Europe (CEE)
 - business associations in, 97, 99, 105–6
 - democratization in, 25, 81, 83, 88, 90, 93, 108
 - EU accession, 47–8, 56, 93–6, 102, 110, 119, 124
 - membership in international organisations, 89
 - new operators in, 99
 - PHARE program, 47–8, 56, 95–6, 124–5
 - political economy, 80, 99–101, 126–7
 - regulatory reform in, 7, 25–6, 79–127
 - conclusions, 125–7
 - country-specific, 102–8
 - diffusion networks, 89–98
 - independent regulators, 84, 86, 94, 101–2
 - key differences in, 99–102
 - privatization, 87–8, 100–1, 127
 - process of, 84–7
 - shift toward, 81–3
 - telecommunications companies in, 97–8, 103
 - telecommunications infrastructure, 83–4
 - see also specific country*
- Chile, 6, 70
- civil society, 86–7, 97, 127
- Coen, David, 51
- coercion
 - diffusion through, 29–30, 40–1, 47–8, 157
 - EU membership and, 48–9, 80, 93
 - theories of, 41
- Comcast, 152
- Com Hem, 148
- Common Market for Eastern and Southern Africa (COMESA), 157
- competition
 - in Central and Eastern Europe, 85, 93, 101, 127
 - Czech Republic, 104, 108
 - Poland, 113
 - Slovakia, 119
 - diffusion through, 30–1, 40
 - economic theory on, 17–21
 - in EU regulatory framework, 48
 - EU rules on, 45–50
 - introduction of, 6, 10, 13–15, 150–1
 - monitoring of, 13–14
 - versus* monopoly, 3, 5
 - in Northern Europe, 131
 - Denmark, 133–9
 - Finland, 140–1, 143
 - Netherlands, 145, 149
 - Sweden, 149

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)*Index*

197

- OECD commitment to, 37–8, 40
- regulation for, 53, 152, 154–5, 159
- role of, 150–1
- World Bank focus on, 36
- WTO commitment to, 42
- complex interdependence, 18–19
- Comvik, 148
- conditionality, 29–30, 80, 91–3
- consumer associations, 101
- Contactel, 104
- controls, 59–60, 68–72, 168–9
 - Northern Europe, 172
- convergence
 - Central and Eastern Europe, 86
 - Northern Europe, 128
 - of policy outcomes, 159
 - power concentration and, 152
 - of technology, 155
- corruption, 107, 122–3
- country income, 59
- country size, 59
- Cox model, 69n3
- crisis, economic, 65
- crony capitalism, 122–3
- Cupa, Mihal, 84
- Cybercity (Telenor Denmark), 135–6
- Czech Association of Competitive Communications (CACC), 103
- Czech Competitive Association of Cable Operators (CCAC), 106
- Czech Republic
 - business associations in, 106
 - EU accession, 102
 - foreign direct investment in, 107
 - market developments in, 102–3
 - membership in international organisations, 89, 105
 - PHARE program, 95–6
 - regulatory environment in, 104–8
 - regulatory reform in, 8, 26, 102–8
 - diffusion networks, 89–98
 - key differences, 99–102
 - legislation, 103–4, 107
 - privatization, 87–8, 106–8
 - process of, 84–7
 - regulatory agency, 101–3, 107
 - shift toward, 81–3
 - telecommunications companies in, 97–9, 102–3
 - telecommunications infrastructure, 83–4
- Czech Telecom, 8, 98, 100, 102–5, 107–8, 119
- Czech Telecommunications Office (CTU), 103–4
- Danish Agency for Digitization, 137
- Danish Business Authority, 137
- Danish Competition Agency (DCA), 136–8
- databases, 34, 37, 39
- data measurement, 65–6
- dataset, countries in, 166
- debt
 - in Central and Eastern Europe, 112–13, 117
- likelihood of reform and, 24, 58–9, 65, 100–1
- measurement of, 76
- political economy of, 19
- democratization
 - in Central and Eastern Europe, 25, 81, 83, 88, 90, 93, 108
- information society and, 2
- level of, 76
- political structure, 54
- Denmark
 - EU membership, 134, 139
 - market developments in, 134
 - membership in international organizations, 134, 139
 - in PHARE program, 95
 - regulatory reform in, 26–7, 128–9, 133–9
 - legislation, 137, 139
 - privatization, 129, 132–3, 138–9, 149
 - process of, 136–9
 - regulatory agency, 133, 136–7
 - themes in, 130–2
 - telecommunications companies in, 135
- dependent variables, 63–4, 168–9
 - Central and Eastern Europe, 170–1
 - Northern Europe, 172

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)

198

Index

- deregulation
 - in Central and Eastern Europe, 85–6, 106
 - diffusion of, 131
 - economic effects of, 21, 31, 151–2
 - exported, 29
 - failure of, 152
 - in Finland, 142
- Deutsch, Karl W., 31
- Deutsche Telekom
 - in Central and Eastern Europe, 86–7, 97–8, 100, 111, 119–20
 - global subsidiaries, 16
 - horizontal network, 33
 - in Northern Europe, 144
- developing countries, 151
- Dial Telecom, 103
- diffusion, 22–5
 - channels of, 24, 29–30, 32–3
 - in Central and Eastern Europe, 89–96
 - international organizations, 24, 29–33, 52–3
 - networks; *see* harmonization
 - networks; information
 - networks; regulator networks
- defined, 23
- global, 158–9
- variables, 62, 65, 67–8, 74–5
- Digital Agenda for Europe (DAE), 148
- digital divide, 2
- digital subscriber lines (DSL), 5, 141
 - asymmetric, 4, 123–4
 - in Czech Republic, 103
 - in Finland, 141
 - in Netherlands, 144
- dispute settlement mechanism (DSM), 41, 43–5
- DNA, 141
- Doha Round, 45
- domestic indicators, 59
- domestic variables, 66–8
- dummy variables, 68–9, 76–7
- Džurinda, Mikulaš, 122
- dynamic model of change, 31
- Eastern Caribbean
 - Telecommunications regulator (ECTEL), 157
- econometric analysis, 61–78
 - conclusion, 74–8
 - controls, 68–72, 167–8
 - data measurement, 65–6
 - dataset, 164–7
 - dependent variables, 63–4
 - Central and Eastern Europe, 170–1
 - Northern Europe, 172
 - discussion, 72–4
 - domestic variables, 66–8
 - international variables, 66–8
 - strengths of, 77–8
 - variables list, 167–8
- economic crisis, 65
- economic liberalism. *see* liberalization
- economic significance of
 - telecommunications, 2–3, 9
- economic theories, 17–21, 30–1
- Economist Intelligence Unit, 141
- efficiency gains, 21
- electronic commerce
 - EU directives, 46, 154
 - EU New Regulatory Framework for, 41
- Elisa, 141
- emulation, 29–31, 41, 53, 157
- epistemic communities, 38, 52
- Estonia, 97
- Europe-25, 50
- European Bank of Reconstruction and Development (EBRD), 10, 89–90, 123, 126
- European Conference of Postal and Telecommunications Administrations (CEPT), 125, 139
- European Court of Justice (ECJ), 42, 47, 115
 - telecommunications case law, 155–6
- European Economic Area, 50
- European Free Trade Area (EFTA), 50
- European Regulators Group (ERG)
 - Central and Eastern European membership, 89, 96

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)*Index*

199

- creation of, 50
- development of, 48
- impact on likelihood of reform, 57
- Northern European membership, 132
- purpose of, 49–51, 155
- European regulatory authorities, 173–4
 - see also specific authority*
- European Union (EU)
 - “Article 7 procedures,” 51–2
 - Central and Eastern Europe. *see* Central and Eastern Europe (CEE)
 - Digital Europe Policy, 8
 - Digital Scorecard, 115, 137, 146
 - Directives, 46, 48–9, 51, 93–4, 107, 115, 154
 - governance bodies, 48
 - Green Paper on Telecommunications Reform (1987), 46, 94
 - as harmonization network, 41–2, 46–8, 51–2, 89, 92–6, 126, 131
 - integration project, 45–6
 - liberalization in, 7, 25–7, 45–9
 - as model for other regions, 156–7
 - membership in, 56–7, 67, 75, 77
 - New Regulatory Framework for electronic commerce, 41
 - Northern Europe. *see* Northern Europe
 - PHARE program, 47–8, 56, 95–6, 124–5
 - privatization in, 45
 - regulator networks in, 49–52
 - regulatory framework, 48–9, 51, 85–7, 132, 142, 154
 - Treaty of Rome, 45
 - White Paper (1990), 46
 - see also specific country*
- Eurotel Bratislava, 120
- Eurotel Slovakia, 123–4
- event history analysis, 69
- exogenous shocks, 17, 20
- exported deregulation, 29
- FDI. *see* foreign direct investment (FDI)
- Federal Communications Commission (FCC), 6, 12, 66
- fiber-optic networks, 4, 135
- fiber to the home (FTTH) networks, 134
- Fidesz Hungarian Civic Party, 110, 113
- Fink, Carsten, 21
- Finland
 - market developments in, 140–2
 - membership in international organizations, 143
 - in PHARE program, 95
 - regulatory reform in, 26–7, 111, 121, 128–9, 140–3
 - legislation, 140
 - privatization, 132–3
 - process of, 142–3
 - regulatory agency, 133, 142–3, 149
 - themes in, 130–2
 - telecommunications companies in, 97–8, 141
- Finnish Communications Regulatory Authority (FICORA), 95, 142–3
- Finnish Competition Authority (FCA), 143
- firms, networks of, 33, 132
- Fisher, Richard W., 28
- fixed-line telephony
 - in Central and Eastern Europe, 84, 86, 97–8
 - Czech Republic, 102–3
 - Hungary, 109
 - Poland, 113–15
 - Slovakia, 119–20
- in Northern Europe, 131
 - Denmark, 134–8
 - Finland, 140–3
 - Netherlands, 143–5
 - Sweden, 147–8
- prevalence of, 2, 5
- private-sector participation in, 16
- foreign debt. *see* debt
- foreign direct investment (FDI)
 - in Central and Eastern Europe, 99–101, 107, 112
- measurement of, 67
- signaling to the market, 11
- strategies to attract, 73, 76

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)

200

Index

- France, EU inquiry against, 154
- France Télécom
- in Central and Eastern Europe, 98, 114–15, 118, 120
 - global subsidiaries, 16
 - in Northern Europe, 138, 144, 147
- Friedman, Milton, 107
- Frydman, Roman, 81
- General Agreement on Tariffs and Trade (GATT), 42–3, 67, 72, 91
- General Agreement on Trade in Services (GATS), 41, 43–5, 151
- General Electric, 83
- Gilardi, Fabrizio, 14
- global diffusion, 158–9
- see also* diffusion
- globalization, 22
- defined, 2
 - as driver of economic reform, 29, 150
 - influence of, 58–9, 61
 - measurement of, 58–9
- Global Regulators Exchange (G-REX), 35
- global system for mobile communications (GSM), 112, 122–3, 136, 138
- global telecommunications companies, 16
- see also specific company*
- government
- policy implications for, 27, 75
 - political ideology, 20–1, 54, 59, 65, 76–7
 - telecommunications ownership. *see* state-owned incumbents
 - telecommunications regulation. *see* regulation
- Gross, Stanislav, 108
- GTS Czech, 103–4
- Halonen, Tarja, 141
- hard power, 41
- harmonization networks
- in Central and Eastern Europe, 89, 91–6, 126
 - diffusion through, 29–30, 32, 40, 51–2
 - examples of, 41–9
 - in Northern Europe, 131–2
- harmonization of standards, 161
- Hayek, F. A., 107
- hazard models, 69–72, 169
- Henisz, Witold, 19–20
- Hi3G, 136, 147–8
- horizontal regulatory networks, 30–3, 49–52, 57
- in Central and Eastern Europe, 96–8
 - in Northern Europe, 132
- human capital, 160
- Hungarian Communications Authority, 111
- Hungary
- EU accession, 110
 - foreign direct investment in, 112
 - market developments in, 109
 - membership in international organisations, 89, 112
 - PHARE program, 95–6
 - regulatory reform in, 26, 108–13
 - administrative restructuring, 110–11
 - diffusion networks, 89–98
 - key differences, 99–102
 - legislation, 109–10
 - privatization, 87–8, 112
 - process of, 84–7, 109–13
 - regulatory agency, 84, 101–2, 109–11
 - shift toward, 81–3
 - telecommunications companies in, 97–9
 - telecommunications infrastructure, 83–4
- ICT-Eye regulatory database, 37
- ideology
- political, 20–1, 54, 59, 65, 76–7
 - of reform, 52–3
- imitation, 53
- Independent Post and Telecommunications Authority (OPTA; Netherlands), 95, 145–6
- independent regulators
- in Central and Eastern Europe, 84, 86, 94, 101–2

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)*Index*

201

- Czech Republic, 101–3, 107
- Hungary, 84, 101–2, 109–11
- Poland, 114–16
- Slovakia, 121
- data on, 164
- as de facto standard, 37, 75, 151, 160
- defined, 13
- establishment of, 10–14
 - analysis of. *see* econometric analysis
 - decisions about, 24–5, 153
 - steps in, 12
- European, 173–4
- intergovernmental interaction, 14
- in Northern Europe, 12, 129, 131, 133, 149
 - Denmark, 137, 149
 - Netherlands, 145–6, 149
- versus* privatization, 153
- see also specific agency*
- Independent Regulators Group (IRG), 48–50
 - Central and Eastern European membership, 89, 96
 - Northern European membership, 132
- InfoDEV, 35
- information networks, 29, 32–40
 - Central and Eastern Europe, 89–91
 - in Northern Europe, 131
- information society, 2, 8
 - development of, 155–6
 - EU regulatory framework for, 48–9, 51, 85–7, 132, 142, 154
- infrastructure, 2, 8
 - Central and Eastern Europe, 83–4
 - inequalities in, 152
 - World Bank loans for, 36
- institutional isomorphism, 53
- interconnection, defined, 1511
- interest group pressures, 18, 54, 59
 - in Central and Eastern Europe, 101, 126–7
 - measurement of, 67
- International Marine/Maritime Satellite (INMARSAT), 1
- international markets
 - influence of, 58–9, 65–8
 - measurement of, 59–60
- International Monetary Fund (IMF), 59–60, 66–7, 91
- international organizations, 150–61
 - diffusion through, 24, 29–33, 52–3
 - membership in, 54–8
 - and timing of liberalization, 61, 64–5, 70–5
 - role of, 24, 31, 62, 150, 153
 - in Central and Eastern Europe, 89
 - see also specific organization*
- international policy diffusion. *see* diffusion
- international settlement rate, 58
- International Telecommunications Satellite Organization (INTELSAT), 1
- International Telecommunications Union (ITU), 1, 33–5
 - Botswana case study, 157
 - Bureau of Telecommunications Development, 35
 - as data source, 64–5
 - influence of, 57
 - as information network, 89–91
 - international regulators
 - conference, 49
 - Northern European commitment to, 131
 - regulatory survey, 63
 - Slovakian commitment to, 125
 - World Bank partnership with, 36–7
- international variables, 66–8
- internet governance, 5–6, 8
- Internet Protocol (IP)
 - telephony, 134
- investment. *see* foreign direct investment (FDI)
- Jacoby, Wade, 80
- Jahn, Martin, 108
- Japan, 6, 1291
- Johnson, Simon, 152
- Keynesianism, 21
- Klaus, Vaclav, 102, 107

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)

202

Index

KPN

- in Central and Eastern Europe, 97–8, 125

- in Netherlands market, 144–5
- privatization of, 26, 129, 132, 149
- revenue losses, 160

Krugman, Paul, 152

labor unions, 101

Laffont, Jean-Jacques, 17

- Latin America, regulatory reform in, 6–7, 18, 21, 97, 106, 151

learning, 52–3

legislation

- in Central and Eastern Europe, 85
 - Czech Republic, 103–4, 107
 - Hungary, 109–10
 - Poland, 114–16
 - Slovakia, 119, 121

- in Northern Europe
 - Denmark, 137, 139
 - Finland, 140
 - Netherlands, 145–6
 - Sweden, 148

Levy, Brian, 19

liberalization

- analysis of. *see* econometric analysis
- backlash against, 151–2
- capital market, 59–60, 72–3
- commitment to, 40
- common problems with, 154–5
- of competition. *see* competition
- country-level variations, 53–4
- decisions about, 24–5, 153
- defined, 14
- deregulation. *see* deregulation
- diffusion of. *see* diffusion
- in European Union, 45–9
- forces for, 29–30
- history of, 14–15
- international spread of. *see* diffusion
- national characteristics affecting, 52
- political economy of. *see* political economy
- privatization. *see* privatization
- re-regulation. *see* re-regulation
- specific hypotheses, 54–7
- theoretical context, 30–1

- timing of, 25, 57–8, 64–5, 153. *see also* econometric analysis

- as trade issue, 42–5, 157

- triggers for, 21–2

Liberty Global, 144

licensing, 15, 84

Lindén, Suvi, 140

Lisbon Goals, 154

Lithuania, 97

local loop, 3–4, 15

local loop unbundling (LLU), 50

macroeconomic trends, 29

Maggetti, Martino, 14

Magyar Telecom (Matav), 86, 109–12

Majone, Giandomenico, 45

market liberalism. *see* liberalization

market-oriented reform

- characteristics of, 63

- in Netherlands, 144–5

marketplace changes, 29

- market power. *see* significant market power (SMP)

Matav, 86, 111–12

Medgyessy, Peter, 113

Mečiar, Vladimír, 118, 122–3

- mergers and acquisitions, cross-border, 160

Mexico, 6, 45, 106

mimesis, 52–3

- mixed-method research. *see* econometric analysis

Mlynar, Vladimír, 108

mobile phones

- in Central and Eastern Europe, 86, 98

- Czech Republic, 102–3

- Poland, 113

- Slovakia, 120, 123

- emergence of, 5

- in Northern Europe, 131

- Denmark, 134, 136–7

- Finland, 140–2

- Sweden, 147–8

- widespread use of, 152

Mobilkom, 103

monopoly, 3–6, 159–60

Mueller, Milton, 5

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)*Index*

203

- multinational companies, 159–60
- Murillo, Maria Victoria, 18
- national characteristics, 52
- National Communications Authority (NHH; Hungary), 109–10
- nationalism, 100
- National IT and Telecommunications Agency (NITA; Denmark), 136–8
- National Media and Infocommunications Authority (NMHH; Hungary), 110
- National Post and Telecommunications Agency (Sweden), 147
- national regulator agencies (NRAs), 51
 - see also* independent regulators; *specific agency*
- national security, 1, 4
- natural monopoly, 3–6
- Nelson-Aalen hazard model, 63, 69
- neoliberalism, 53, 81
- Netcom, 147
- Netherlands
 - EU membership, 143
 - market developments in, 143–6
 - in PHARE program, 95, 125
 - regulatory reform in, 26–7, 128–9, 143–6
 - legislation, 145–6
 - privatization, 129, 132–3
 - process of, 146
 - regulatory agency, 133, 145–6, 149
 - themes in, 130–2
 - telecommunications companies in, 144
- networks. *see* harmonization networks; information networks; regulator networks
- New Regulatory Framework for electronic commerce (EU), 41
- next-generation networks (NGN), 111
- Nicoletti, Giuseppe, 39
- NM Rothschild, 122
- Nomura, 100
- Nordic model of governance, 27, 129–30, 133, 160
- norms, 52–3
- North Atlantic Treaty Organization (NATO), 121–2, 139
- Northern Europe
 - dependent variables, 172
 - EU membership, 130, 139, 143, 146
 - market developments in, 131
 - membership in international organizations, 130–1
 - regulatory reform in, 25–7, 128–49
 - conclusions, 149
 - country-specific, 133–49
 - diffusion networks, 131–2
 - key differences in, 132–3
 - as light regulation model, 106, 128, 142
 - privatization, 128, 132–3
 - regulatory agencies, 12, 129, 131, 133
 - themes in, 130–2
 - state-owned incumbents in, 129, 132, 149
 - see also specific country*
- Nye, Joseph S. Jr., 41
- Oftel, 6, 95, 145
- Orange
 - in Central and Eastern Europe, 98, 113–15, 120, 123–4
 - in Northern Europe, 135–6, 138, 144, 147
- Orban, Viktor, 113
- Organization for Economic Cooperation and Development (OECD), 37–40
 - as information network, 90
 - membership in, 55, 67, 72–5, 77
 - Northern European membership in, 130–1, 134, 139
 - peer review process, 39
 - political ideology, 20–1
 - Regulatory Database, 39
 - Regulatory Reform unit, 37
 - Slovakian membership in, 124
- Organization of East Caribbean States (OECS), 157

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)

204

Index

- Palacka, Gabriel, 122
- Pantel Company, 98
- Pedersen, Ove K., 129
- Poczta Polska (the Post), 114
- Poland
- EU infringement proceeding, 116
 - market developments in, 113–15
 - membership in international organisations, 89, 117
 - PHARE program, 95–6
 - regulatory reform in, 26, 113–18
 - country-specific differences, 99–102
 - diffusion networks, 89–98
 - legislation, 114–16
 - privatization, 87–8, 117–18
 - process of, 84–7, 115–18
 - regulatory agency, 96, 101–2, 114–16
 - shift toward, 81–3
 - “shock therapy,” 81
 - telecommunications companies in, 97–9
 - telecommunications infrastructure, 83–4
 - policy diffusion. *see* diffusion
 - policy implications, 27, 75
 - global diffusion, 158–9
 - independent regulators, 160
 - network development, 154–5
 - Polish Telecom (Telekomunikacja Polska; ATPSA), 96, 113–14, 117–18
 - political economy, 4, 17–21, 54, 59, 65, 76–7
 - Central and Eastern Europe, 80, 99–101, 126–7
 - European super-regulator, 155
 - Polkomtel, 114
 - Polska Telefonica Cyfrowa, 114
 - Polska Telefonica Komorkow Centertel (PTK), 114
 - Polygram, 100
 - portfolio investment, 99–101
 - Portugal
 - in PHARE program, 95
 - regulatory reform in, 111, 121
 - postal, telegraph and telephone services (PTTs), 36
 - power, 41
 - P₄ [Play], 114
 - Prezes Urzędu Komunikacji Elektronicznej (UKE), 115
 - Principles of Implementation and Best Practices (PIBS), 50
 - privatization, 7, 9
 - in Central and Eastern Europe, 87–8, 100–1, 127
 - Czech Republic, 106–8
 - Hungary, 112
 - Poland, 117–18
 - Slovakia, 119, 122–3
 - data on, 164
 - decisions about, 24–5, 153
 - defined, 16
 - in European Union, 45
 - versus* independent regulator, 153
 - interest groups and, 18
 - in Northern Europe, 128, 132–3
 - Denmark, 129, 138–9, 149
 - Netherlands, 129
 - political ideology and, 21
 - timing of, 64, 76. *see also* econometric analysis
 - variation in, 151–3
 - Program of Community Aid to the Countries of Central and Eastern Europe (PHARE), 47–8, 56, 95–6, 124–5
 - Public Policy for the Private Sector* (World Bank), 36
 - public switched traditional network (PSTN), 144
 - Rapaczynski, Andrzej, 81
 - Reference Paper for Telecommunications (WTO), 41, 43–5, 56, 124, 131
 - regional dummy variables, 68–9, 76–7
 - regional trade networks, 157
 - regulation
 - light, models of, 106, 128, 142
 - theories of, 17–21, 30–1
 - regulator networks, 30–3, 49–52, 57
 - in Central and Eastern Europe, 96–8
 - in Northern Europe, 132
 - regulatory capture, 6, 14

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)*Index*

205

- regulatory governance index, 21
- regulatory reform
 - in Africa, 15, 85, 156–7
 - in Europe. *see* Central and Eastern Europe (CEE); Northern Europe; *specific country*
 - in Latin America, 6–7, 106, 151
 - see also* liberalization
- re-regulation, 6, 9
 - defined, 15
 - in European Union, 45, 48
 - Central and Eastern Europe, 82, 85–6, 127
 - Northern Europe, 145
 - in OECD, 55
- San Diego School, 54
- SBC, 97
- Scandinavian countries. *see* Northern Europe; *specific country*
- Schamis, Hector, 18
- sectoral performance, measurement of, 67
- separate regulators. *see* independent regulators; *specific agency*
- services, telecommunications as, 42–5
- settlement rate, 58
- signaling to the market, 11
- significant market power (SMP), 14, 34, 51
 - in Central and Eastern Europe, 85
 - in Northern Europe, 136, 142, 145
- Singh, J.P., 74
- Singtel, 16
- Slaughter, Anne-Marie, 14, 32
- Slovakia
 - business associations in, 125
 - EU accession, 119, 124
 - EU infringement proceeding, 125
 - market developments in, 119–20
 - membership in international organisations, 89, 124–5
 - PHARE program, 95–6, 124–5
 - regulatory environment in, 121–4
 - regulatory reform in, 26, 118–25
 - country-specific differences, 99–102
 - diffusion networks, 89–98
 - legislation, 119, 121
 - privatization, 87–8, 119, 122–3
 - process of, 84–7, 121
 - regulatory agency, 87, 101–2, 121
 - shift toward, 81–3
 - telecommunications companies in, 97–9, 123–4
 - telecommunications infrastructure, 83–4
- Slovak Telecom, 86, 119–20, 122–3
- Slovak Telecommunications Office (STO), 121
- Smith, Adam, 17, 152
- Sobotka, Bohuslav, 108
- soft power, 41
- Sonera, 97–8, 132
 - see also* Telia-Sonera
- Sonofon (Telenor Denmark), 135–6
- South Africa, 156–7
- Southern African Development Community (SADC), 157
- Spain, 95
- Spidla, Vladimir, 107
- Spiller, Pablo T., 19
- standards, harmonization of, 161
- state-owned incumbents
 - as natural monopoly, 3–6
 - in Northern Europe, 129, 132, 149
 - versus* privatization, 151
 - privatization of. *see* privatization
 - regulation separate from. *see* independent regulators
 - see also specific agency*
- Stet, 100
- Stiglitz, Joseph, 152
- Suchman, Tamas, 100
- Sutton, Brent A., 1
- Sweden
 - Digital Agenda, 148
 - EU membership, 146
 - in PHARE program, 95
 - regulatory reform in, 26–7, 128–9, 146–9
 - legislation, 148
 - privatization, 132–3
 - process of, 148–9
 - regulatory agency, 133, 147, 149
 - themes in, 130–2

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)

206

Index

- Sweden (cont.)
 telecommunications companies in,
 97–8, 148
- Swisscom, 97
- Szysko, Tomasz, 118
- TDC (TeleDanmark), 97, 129, 132,
 135–9
- technological changes, 4–6
- Teichman, Judith, 18
- Tele2 (Telenor Denmark), 135–6, 147
- telecommunications
 access to, EU regulatory framework
 for, 48–9, 85–7, 132, 142, 154
 economic significance of, 2–3, 9
 history of, 1, 14–15
 infrastructure. *see* infrastructure
 market characteristics, 3–4
 reform. *see also* liberalization
 country-level variation, 53–4. *see also specific country*
 waves of, 6–8
 separate regulators for. *see*
 independent regulators
 state ownership. *see* state-owned
 incumbents
 technological changes, 4–6
- Telecommunications Development
 Bureau of ITU (BDT), 35
- Telecommunications Regulators
 Association of Southern Africa
 (TRASA), 157
- TeleDanmark (TDC), 97, 129, 132,
 135–9
- Telefonica O₂ CR, 98, 102–3
- Telefonica of Spain, 8
 in Central and Eastern Europe, 98,
 107–8
 global subsidiaries, 16
- Telefonica O₂ Slovakia, 120
- Telekomunikacja Polska (ATPSA), 96,
 113–14, 117–18
- Telenor Denmark, 135–6
- Telenor Norway, 97, 148
- Telenor Sweden, 148
- Telia-Sonera
 in Central and Eastern Europe, 97–8
 in Finnish market, 141
- network, 135–6
 state ownership in, 26, 129, 147, 149
 in Swedish market, 97, 148
- Thatcher, Mark, 14
- Tirole, Jean, 17
- T-Mobile
 in Central and Eastern Europe, 86,
 98, 102–3, 114, 120
 in Northern Europe, 144
 “too big to fail,” 152
- TPSA (Telekomunikacja Polska), 96,
 113–14, 117–18
- trade dependence, 72
- trade issue, telecommunications as,
 42–5, 157
- trade networks, 157
- trade unions, 101
- Treaty of Rome (EU), 45
- United Kingdom
 in PHARE program, 95
 telecom liberalization in, 6
- United Nations (UN), International
 Telecommunications Union. *see*
 International
 Telecommunications Union (ITU)
- United States
 Agency for International
 Development, 157
 Federal Communications
 Commission (FCC), 6, 12, 66
 incumbent monopolists in, 152
 influence of, 58
 separate regulator in, 12
 telecom liberalization in, 6
- United States v Mexico*, 45
- Universal Service (Access) Obligations,
 15n2
- UPC Ceska Republika, 103
- UPC Netherlands, 144
- UPC Sweden, 148
- urbanization, 67
- Venezuela, 151
- Verizon, 97, 120, 123, 152
- “Visegrad 4,” 79
see also Central and Eastern Europe
 (CEE); *specific country*

Cambridge University Press

978-1-107-02260-7 - Global Markets and Government Regulation in Telecommunications

Kirsten Rodine-Hardy

Index

[More information](#)*Index*

207

- Vodafone
 in Central and Eastern Europe, 98, 103
 global subsidiaries, 16
 in Northern Europe, 144, 147–8
 voice over internet protocol (VOIP), 8
- Wallsten, Scott J., 21
- Wasacz, Emil, 117–18
- Washington Consensus, 161
- Waverman, Leonard, 21
- Weibull multivariate hazard model, 24, 63, 69–70, 169
- Wilson, Ernest J., 85
- wireless technology
 in Central and Eastern Europe
 Hungary, 109
 Poland, 114
 Slovakia, 120
 emergence of, 5
 in Northern Europe
 Denmark, 136
 Netherlands, 143
- Wong, Kelvin R., 85
- World Bank (WB), 35–7
 as data source, 66
 influence of, 57–8
 as information network, 90
 regulatory frameworks, 157
- World Dialogue on Regulation (WDR), 34–6, 49, 90
- World Summit on the Information Society (WSIS), 34, 154
- World Trade Organization (WTO), 42–5
 Basic Agreement. *see* Basic Agreement on Telecommunications Services (WTO)
 Central and Eastern European commitment to, 105, 112, 117, 124
 dispute settlement mechanism (DSM), 41, 43–5
 General Agreement on Trade in Services (GATS), 41, 43–5, 151
 as harmonization network, 41–5, 89, 91–2
 membership in, 55–6, 67, 71–4
 Northern European commitment to, 131, 134, 139, 143
 Reference Paper for Telecommunications, 41, 43–5, 56, 124, 131
 role of, 35
- Zacher, Mark W., 1
- Zelner, Bennet A., 19–20
- Zeman, Miloš, 107
- Zesko Holding (Ziggo), 144
- Zielinski, Andrzej, 118