Index

Aarhaug, J.  122
Abate, M.  72
Aberle, Gerd  'Adelaide model' of urban public
transport  157
administrative harmonization  86–8
ADNR accord  176–7
air traffic control  6, 10, 12, 36, 42, 48, 49
ownership transformation and  24
air traffic management  41, 47, 52
air transport:
competition in  10, 12, 25, 37, 39–40, 42–5, 48–50, 53–5
deregulation and  39–40, 43, 45, 49–50, 54
environment policy  51–3
European Commission and  18, 42–3
European policy and  36–8, 43–54
harmonization of  36–7, 47, 59
internationalization of regulation
in  53–4
liberalization of  28, 37–40, 44, 47–50, 53–5
low-cost carriers  45, 48, 54
market models in  45
monopolies and  4–5, 37
ownership transformation and  24
passenger rights  49–50
public service obligations and  49
regulatory reform and  28, 38–43, 54
security costs and  50–1
airports  12, 36, 39, 48–52
access conditions and  9, 12, 19, 28, 37, 40–1
global ranking of  44
infrastructure and  47
monopolistic bottlenecks and  5
ownership transformation and  24
traffic volumes and  43–4
Alderighi, M.  51
Alexandersson, G.  63, 69, 72, 122
Armstrong, M.  21–2
Arriva (company)  69, 126
Asmild, M.  73
Australia, regulation of transport in  20
Austria, inland waterways in  182
AutobahnExpress (company)  129
Automóviles Luarca, SA (ALSA)  125
aviation industry  9–10, 36
competition and  12, 20
cost of market entry  7
deregulation of  12
liberalization and  22, 28
reform of outside Europe  20
vertical integration in  25
see also  air transport
Bak, Monika  82–112
Baumol, W.J.  7
Beesley, M.  158
Belgium, inland waterways and  179, 182, 188
Berlin Linien Bus  128
Bernadet, Maurice  92
Betancor, O.  52
Beuthe, M.  241
Blöndal, S.  28, 103
boatmasters  176, 187, 205
Bouckaert, G.  23
Bratislava Convention (2003)  175
British Telecom plc  18
Buchanan, C. & Partners  159–60
Burnewicz, Jan  82–112
Busitalia-Sita Nord (company)  126
cabotage:
  coach transport and  127
  harmonization and  22
inland waterways and  15, 178–9

245
Regulating transport in Europe

liberalization and 13
road freight and 13, 84, 89, 92, 106
short sea shipping and 16
Campos, Javier 36–37
Cantos, P. 74
Carr, J. 155
CE Delft consultancy 52
Central Commission for the Navigation of the Rhine 173–5, 177, 186–7
Chicago Convention see Convention on International Civil Aviation
Chisholm, D. 144
Ciechanski, A. 123–4
Clarke, M.A. 238
CMNI see ‘Budapest Convention’
coach transport 10, 115
cabotage and 127
competition and 14, 118–19, 121–3, 125–8, 131–5, 137
deregulation of 117–21, 126–7, 129, 131–5, 137
environmental impact 133
European Commission and 130, 132
international services 129–30
liberalization and 22, 29, 121, 127–8, 130, 132
monopolies in 116, 118, 126, 131, 135–7
organizational forms in 116–17, 130–4
regulation and 29, 115–16, 121–2, 126–8, 131, 135–6
subsides and 119, 121–3, 126, 133, 137
‘Code Napoleon’ philosophy 151
Common Transport Policy (CTP) 17–18, 200, 235–6
competition 1, 3, 4–5, 13–14, 18, 21–2, 25
air transport and 10, 12, 25, 37, 39–40, 42, 44–5, 48–50, 53–5
coach transport 14, 118–19, 121–3, 125–8, 131–5
inland waterways and 171–2, 178–83, 189–90
intermodal transport and 178, 183, 229, 234, 236, 241
monopolies and 21–2
ports and 208–9, 211
rail transport and 25, 29, 63, 68–72, 78, 178, 183
road freight and 83, 85, 87–9, 92–4, 103
short sea shipping and 196, 198–9, 203–4, 208–9, 211
urban public transport and 30, 141–2, 149–50, 152, 154–5, 157–60
consumer protection 5, 18, 53, 103
Convention of Mainz (1831) 173
Convention of Mannheim (1868) 173–4, 186, 191
Convention on International Civil Aviation (1944) 36–7, 39
Copenhagen Economics 28
Council for Mutual Economic Assistance (COMECON) 9
Crilley, J. 198
Danube Commission 173–5, 186–7
Danube River 15, 173, 175, 178, 185, 188
De Rus, G. 48, 52
De Vries, C.J. 170, 189–90, 193
Dean, C.J. 198
Den Boer, L.C. 193
Den Hertog, J. 25
deregulation 37–8
air transport and 39–40, 43, 45, 49–50, 54
aviation industry and 12, 20
coach transport and 117–21, 126–7, 129, 131–5, 137
inland waterways 170–1, 174, 177–83, 189, 192–4
rail transport and 12–13, 20
road freight and 101, 103
road passenger transport and 10
urban public transport 142, 159
Deutsche Bahn (company) 68–9, 128–30
Di Giacomo, M. 8
Drew, J. 62, 76
EC Treaty 18
economies of scale and scope 7–8, 162
monopolies and 22
Enatcar (company) 124–5
environmental protection:
Index

air transport and 51–3
coach transport and 133
inland waterways and 192–3
road freight 87–8, 112
short sea shipping and 197, 202, 212–13
Eurolines (company) 115, 117, 124, 126–30, 132, 134–5
Europabus (company) 129
European Aviation Safety Agency (EASA) 50
European Commission (EC) 1
air transport and 42–3
coach transport and 130, 132
inland waterways and 172, 182, 187–8, 192
intermodal transport and 235–6, 238–42
port operations and 207–10
rail transport and 63, 67, 78–9
road freight and 84–5, 88, 90–3, 228
short sea shipping and 16, 199–200, 202–6
Single European Transport Area and 26
urban public transport and 140–2, 160, 163
European Conference of Ministers of Transport (ECMT) 115, 203
European Court of Justice (ECJ) 17–19
air transport and 37, 53
British Telecom and 18
inland waterways and 171, 183
urban public transport and 141
European Emission Trading Scheme (ETS) 52
European Intermodal Loading Units 241–2
European Investment Bank (EIB) 202
European Organisation for the Safety of Air Navigation (Eurocontrol) 41, 48
European Railway Agency 63

Finger, Matthias 1–33
fiscal harmonization 86–9
flag carriers (aviation) 9, 12, 37, 45, 50
Forsyth, P. 52
Fowkes A.S. 76

France:
coach transport and 126–7, 130
inland waterways and 178–9, 181–2
rail transport and 63–4, 68, 77
urban public transport and 151, 154
freight brokers 226–8
freight forwarders 224–8
freight integrators 229–30
freight transport 11, 228, 239
intermodal transport and 16
see also road freight; rail freight, short sea shipping
Freight Transport Logistics Action Plan 239
freight villages 229
Friebel, G. 73
Gambetta, D. 164
García-Pastor, A. 125
Germany:
coach transport and 127–30
inland waterways and 173–4, 178–9, 184, 188–9, 191
intermodal transport and 235
rail transport and 64, 67–9, 71–2, 74, 76
road freight and 94
Gillen, D. 44
Great Britain:
coach transport and 117–19
rail transport and 63–4, 67, 69, 71–2, 76, 78
road freight and 94, 103
urban public transport in 15, 151–2, 155
Griffiths, T. 76
Growitsch, C. 73
Gwilliam, K.M. 140

harmonization 22–3, 26, 28
air transport and 36–7, 47, 59
cabotage and 22
forms of 86–7
inland waterways and 15, 171–2, 176–8, 183–9, 191, 194
intermodal transport 233–5, 237, 239
ports and 209
rail transport and 20
Regulating transport in Europe

regulatory practice and 14–15, 18, 26
road freight and 14, 83, 85–90, 93, 101
short sea shipping and 200, 205, 209

Hartley, R. 23
Hayek, F.A. 145
Holvad, Torben 1–33
horizontal separation
rail transport and 75

independent regulation 25
infrastructure:
economies of scale and 8
investment in 31–2
liberalization and 32–3, 47
monopolistic organisation of 4–5, 19
responsiveness of operators 32–3
inland waterways 11, 169–70
cabotage and 15, 178–9
competition and 171–2, 177–83, 189–90
deregulation of 170–1, 174, 177–83, 189, 192–4
environmental protection and 192–3
European Commission and 172, 182, 187–8, 192
fleet scrappage 184–5, 192
harmonization and 171, 176–8, 183–9, 191, 194
legal framework for 172–7
liberalization and 15, 23, 171, 183–9
Marco Polo Programme and 182
market changes and 189–91
NAIADES programme 183
overcapacity in 171, 174, 190, 192, 194
ownership transformation and 24
price dumping and 185–6, 190
regulatory reform and 30
subsidies and 172, 181, 183, 188–9, 192
INNO-V (consultancy) 141, 154, 158, 160

Integrated Services in the Intermodal Chain (ISIC) project 238
inter-urban road freight see coach transport
intermodal transport 11, 218–21
competition and 178, 183, 229, 234, 236, 241
European Commission and 235–6, 238–42
freight transport and 16
funding of 220
harmonization and 233–5, 237, 239
international conventions and 237
liberalization and 31, 229
promotion of 232–42
regulation of 16–17, 232, 241
regulatory reform and 31
short sea shipping and 223
structure of 221–32
International Air Transport Association (IATA) 225
International Civil Aviation Organization (ICAO) 26, 36, 38, 50–1, 53
International Road Transport Union 93
International Transport Forum (ITF) 172
ISOTOPE Consortium 140, 154, 156–60
Italy:
coach transport and 125–6
rail transport and 69
Japan, regulation of transport in 20
Jensen, A. 72
Kågesson, P. 213
Knieps, Günter 18
Komornicki, T. 124
Laabsch, C. 77
liberalization 1, 3, 17–19, 25, 31–2
air transport and 28, 37–40, 44, 47–50, 53–5
cabotage and 13
coach transport and 22, 29, 121, 127–8, 130, 132
infrastructure and 32–3, 47
inland waterways and 15, 23, 30, 171, 183–9
intermodal transport and 31, 229
ports and 209–10
public service obligations and 32
rail transport and 22, 28–9, 70–1, 77
regulatory reform and 19, 21–3
road freight and 13, 29, 83, 86–7, 91–4, 100–1, 103, 107, 200
road passenger transport 13–14
short sea shipping and 16, 30, 200–1, 209–10, 214
liner shipping 181, 196
logistics providers 231
long distance coach services see coach transport
López-Lambas, M. 164
Ludewig, J. 62

Maastricht Treaty (1991) 185, 201
Macário, Rosário 140–65
Maertens, S. 128–9
Marco Polo Programme 182, 203–7, 211, 214, 237, 241
MARETOPE Research Consortium 153–4, 156, 164
market failure, identification of 19
Marlow, P.B. 198
Marques, C. 147
Martin, R. 28
McNulty, R. 71
Megabus.com 118–19, 135
Merkert, R. 71
Metropolitan Planning Organizations (MPOs) 162
Mituzani, F. 74–5
monopolies 1, 3, 7, 9, 18, 22
air transport and 37
coach transport and 116, 118, 126, 131, 135–7
competition and 21–2
infrastructure and 4–5, 19
ports and 16, 209
rail transport and 79, 116
short sea shipping and 16, 209
urban public transport and 10, 140–1
Moselle Commission 173, 175
Moselle River 173, 175
Motorways of the Sea initiative 16, 30, 198, 201–6, 214, 237
Mueller, D.C. 23
Musgrave, P.B. 150
Musgrave, R.A. 150
NAIADES programme 183
Nash, Chris 61–79
National Express Group plc 117–19, 123, 125, 135–6
national flag carriers see flag carriers
Netherlands:
inland waterways and 178–9, 182, 188–90
intermodal transport 235
road freight and 94
Nettbuss AS (company) 120–1
Network Rail (company) 71–2
‘new public management’ theory 23
Ng, Adolf K.Y. 196–214
Niemeier, H.M. 44
Nijkamp, P. 200, 208
Nobina Ltd. 119
NOR-WAY Bussekspress (company) 121, 124, 132
Norges Statsbaner (company) 120–1
Norway, coach transport and 121–3
Norwegian Transport Economic Institute 122–3
Office of Rail Regulation (ORR) 67
Organisation for Economic Co-Operation and Development (OECD) 188–9
Ottoz, E. 8
Oum, T.H. 48
own shipping 196
ownership transformation 23–5
Paixao Casaca, A.C. 198
passenger rights
air transport and 49–50
Pilat, D. 28, 103
Pilot Actions for Combined Transport (PACT) programme 203–4, 214
PKS SA (company) 123
Platz, Tilman Erich 169–94
Poland, coach transport and 123–4
Polbus-PKS (company) 123–4
Pollitt, C. 23
Polski Express (company) 123–4
port operations 16, 179, 198
completion and 208–9, 211
European Commission and 207–10
harmonization and 209
liberalization and 209–10
monopolies in 16, 209
ownership transformation and 24
short sea shipping and 30–1, 207–12
subsidies and 207–9
Preston, J. 76
privatization 23
coch transport and 123, 125
rail transport and 64
Procter & Gamble Company 231–2
protectionism 11, 200
‘public choice’ theory 23
Public Express (company) 128
public service obligations (PSOs) 8, 32
air transport and 49
coach transport and 122
liberalization and 32
QUATTRO approach 154
Quinet, E. 8
rail freight 13, 61–2, 70, 221, 228–9
charges for 64–8
vertical separation and 73–5
rail transport 10, 61
competition and 25, 29, 63, 68–72,
76, 78, 178, 183
deregulation and 20
European Commission and 63, 67,
78–9
harmonization and 20
horizontal separation of 75
liberalization and 22, 28–9, 70–1, 77
monopolies and 4–5, 79, 116
ownership transformation and 24
reform of outside Europe 20
regulatory legislation and 62–8
railway infrastructure 62, 74
ownership transformation and 24
structures within rail industry 68–70
subsidies and 68–71, 79
vertical separation of 70–8
railways 10, 61
deregulation of 12–13
liberalization and 22, 28–9
regulatory reform and 28–9
regulatory policies 2–3
origins of 17–18
regulatory practice 3–4
harmonization of 14–15, 18, 26
regulatory reform:
air transport and 28, 38–43, 54
elements of 19
implications of 27–31
independent regulation and 25
inland waterways and 30
intermodal transport and 31
liberalization and 19, 21–3
ownership transformation and 23–5
road freight and 29, 93, 101, 103
short sea shipping and 30–1
Réseau Ferré de France (RFF) 64, 69
Rhine River 15, 173–4, 178, 187–8,
190
Rhine Navigation Area 15, 170
Rhine Scheldt estuary 169
road freight 10, 13–14, 82
cabotage and 13, 84, 89, 92, 103
competition and 83, 85, 87–9, 92–4,
103
deregulation and 101, 103
environmental impact of 87–8, 112
European Commission and 84–5,
88, 90–3, 228
harmonization and 14, 83, 85–90,
93, 101
labour productivity and 103, 106–7
liberalization of 13, 29, 83, 86–7,
91–4, 100–1, 103, 107, 200
ownership transformation and 24
policy implementation and 90–3
reform of outside Europe 20
regulation of 83–90, 112
regulatory reform and 29, 93, 101,
103
road infrastructure ownership,
transformation of 24
road passenger transport:
deregulation and 10
liberalization of 13–14
ownership transformation and 24
Robins, D. 76
Ruijgrok, Kees 169–94
Sack, R. 148
Sandberg Hansen, T.-E. 241
Sanjum, K. 147
Sanner, H. 77
Sappington, D.E.M. 21–2
Saurí, Sergi 196–214
‘Scandinavian model’ of urban public transport 157
Scheele, J. 91
Scott, W.R. 144
sea freight see short sea shipping
Seguret, S. 76
Segspiel, J. 186
shippers 228
short sea shipping 11
cabotage and 16
competition and 196, 198–9, 203–4, 208–9, 211
definition of 197–8
environmental impact of 197, 202, 212–13
European Commission and 16, 199–200, 202–6
growth of 198–9
harmonization and 200, 205, 209
intermodal transport and 223
liberalization of 16, 30, 200–1, 209–10, 214
monopolies in 16, 209
Motorways of the Sea initiative 16, 30, 198, 201–6, 214
ownership transformation and 24
ports and 207–12
promotion of 203–7
regulatory reform and 30–1
subsidies and 204–5, 207–9
types of 196
Single European Sky ATM Research (SESAR) project 47–8, 52
Single European Sky initiative 41, 47, 52
Single European Transport Area 43, 82, 86
European Commission and 26
Single Market Act (1986) 235
SJ AB (company) 119
SNCF (company) 64, 68, 126–7, 130
social harmonization 85–7
Spain:
coach transport and 124–5, 130, 132–3
road freight and 94
Stagecoach Group plc 118, 124, 136
state aid see subsidies
Stelling, P. 72
Stopford, M. 198
Strand, S. 122
subsidies 3, 27, 32
coach transport and 119, 121–3, 126, 133, 137
inland waterways and 172, 181, 183, 188–9, 192
ports and 207–9
rail transport and 68–71, 79
short sea shipping and 204–5, 207–9
urban public transport and 141
Svenska Buss (company) 120
Swebus (company) 120
Sweden:
coach transport and 119–20, 132
rail transport and 63, 69, 71–2, 74
short sea shipping and 200
Taylor, Z. 123–4
technical harmonization 86, 90, 235, 237
Thatcher, M. 9
TIS.PT (Transportes, Inovação e Sistemas, SA) 140, 154, 157–9
Touring GmbH 128–9
tramp shipping 196
Trans-European Networks (TENs) 47
Trans-European Transport Network (TEN-T) 16, 30, 201–4, 208, 211–12, 214, 235–6, 242
transport sector, characteristics of 6–8
Treaty of Rome (1957) 37, 54, 173, 177, 200
Trenitalia (company) 69, 126
Turró, Mateau 196–214
Tyson, W. 140
unbundling of services 12–13, 19, 25
United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) 23
United Nations Economic Commission for Europe (UNECE) 172, 177, 187, 189
United States of America (USA):
air transport and 53
Metropolitan Planning Organizations (MPOs) 162
rail freight and 221
regulation of transport in 20
Uranishi, S. 74–5
urban public transport 8, 10–11
authority–operator relationships 158–61
competition and 30, 141–2, 149–50, 152, 154–5, 157–60
deregulation and 142, 159
European Commission and 140–2, 160, 163
harmonization and 140
monopolies in 10, 140–1
organizational forms and 152–7
ownership transformation and 24
regulation and 30, 140–7, 150
regulatory change and 14–15, 161–3
stakeholder requirements of 147–52
subsidies and 141
Vassallo, Walter 218–43
Velde, Didier van de 74–5, 77, 115–38, 140, 154
Veolia (company) 68–9, 123–4, 130, 136
vertical separation
rail industry and 70–8
Vickerman, R. 8
Vickers, J. 23
Viegas, J.M. 161
voluntary binding agreements 162
Wardman, M. 76
Wetzel, H. 73
White, P.R. 135
Winston, C. 48
Yarrow, G. 23