

Glossary

Air service agreement An agreement, typically negotiated between two national governments, granting specified aviation rights to airlines from the countries involved.

APEC (Asia Pacific Economic Cooperation) Member economies: Australia, Brunei Darussalam, Canada, Chile, People's Republic of China, Hong Kong, Indonesia, Japan, Republic of Korea, Malaysia, Mexico, New Zealand, Papua New Guinea, Republic of Philippines, Singapore, Chinese Taipei, Thailand, United States.

Asia and Pacific A definition of an area used by the International Civil Aviation Organisation and including the East Asian economies, Australia and the Pacific Islands, as well as India and Pakistan. The ICAO definition excludes North America, Latin America and the Caribbean.

Asia Pacific A term more commonly used in economic studies of the region that refers to the East Asian economies, Australia and New Zealand, as well as North America and the Pacific coast of Latin America. The area of interest matches the coverage of the APEC process.

ASEAN (Association of South East Asian Nations) Member economies: Brunei Darussalam, Indonesia, Laos, Malaysia, Myanmar, Republic of Philippines, Singapore, Thailand, Vietnam.

Available seat kilometers (ASK), also known as *available seat miles*. The number of available seats on a flight, multiplied by the flight distance.

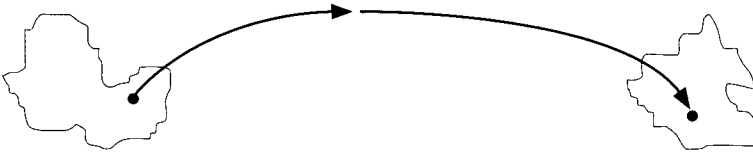
Aviation rights (see *Figure G.1*)

First freedom rights grant a foreign carrier the right to fly over the home country without landing.

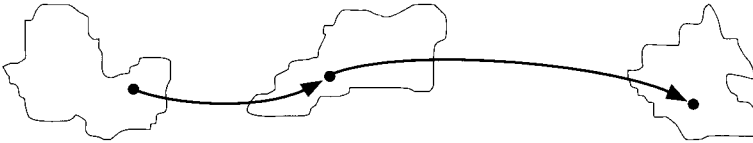
Second freedom rights grant a foreign carrier the right to land at specified points in the home country, for purposes of refuelling and maintenance, but not to pick up or disembark traffic (passengers, cargo, or mail).

Figure G.1 Air transport freedom rights

1st Freedom: Right of transit without landing.

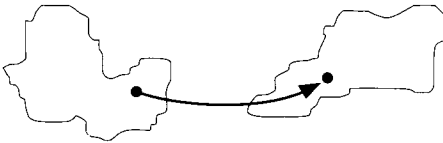


2nd Freedom: Right of technical stop (e.g. refuelling).

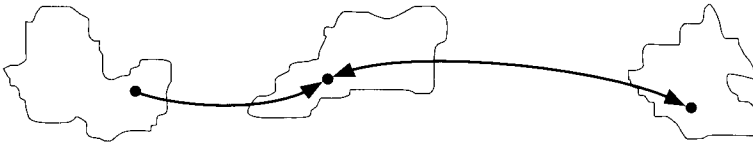


3rd Freedom: Right to set down traffic from home state.

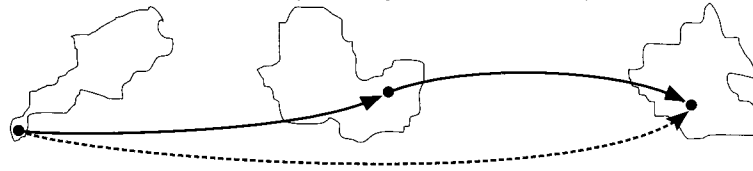
4th Freedom: Right to pick up traffic bound for home state.



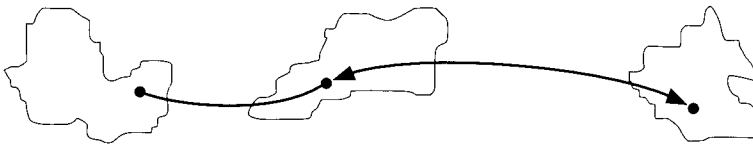
5th Freedom: Right to pick up and put down traffic between two foreign states as an extension of routes to/from home state.



6th Freedom: Unofficial right to pick up and put down traffic between foreign states via home state (by combining 3rd and 4th Freedom rights).



7th Freedom: Right to pick up and put down traffic between two foreign states



Source: Derived from data in Doganis (1991). Courtesy of John Bowen.

Third freedom rights allow for traffic that was picked up by a foreign carrier outside the home country to be disembarked at specified destinations in the home country.

Fourth freedom rights allow a foreign carrier to pick up originating traffic in the home country, for transport to the foreign country in which the carrier is based.

Fifth freedom rights (also called beyond rights) permit the foreign carrier to pick up or disembark traffic en route.

Sixth freedom rights allow the unofficial right to pick up and put down traffic between foreign states via home state (by combining third and fourth freedom rights).

Seventh freedom rights grant the right to pick up and put down traffic between two foreign states.

Cabotage Flights entirely within another country.

Charter services Flights performed for remuneration on an irregular basis.

Code-sharing An arrangement that allows a carrier to sell tickets under its own name for flights operated by another carrier's aircraft. Code-sharing is often used by airlines as a means of serving domestic markets of the partner carrier that would otherwise remain closed to them.

Double disapproval A system whereby fares proposed by airlines can be rejected if both governments do not approve them.

East Asia An area referred to in this volume as Japan, Korea, China, Taiwan, Hong Kong, the ASEAN economies and Indo-China.

Feeder traffic Small volume, short distance aviation services that serve to connect (or feed) traffic to major (*trunk*) routes. Feeder services are typically flown by small aircraft and connect city-pairs that are less than 45 minutes' apart, as measured by jet aircraft flying time (*see also Trunk traffic*).

Frequent flyer programmes Schemes wherein trunk carriers award points toward free travel or service upgrade on their own flights or on flights of affiliated feeder or trunk carriers.

Hub A city that serves as a central transfer point for many of a carrier's flights. End points of a hubbed route are called *spokes*.

Load factor The percentage of available seats that are filled with revenue-paying passengers.

Open skies agreement An agreement between two or more national governments that leads to freer trade in aviation services, usually by eliminating entry barriers, and prohibiting government regulation of routes and capacity.

Pacific Asia An area including East Asia, and also Australia and New Zealand.

Revenue passenger kilometres (RPKs) The number of revenue-paying passengers on a flight, multiplied by the flight distance.

Scheduled services These include three types of service: (i) flights performed on a regular basis, usually according to a published timetable, (ii) flights performed because of an overflow of traffic from scheduled flights, and (iii) preparatory revenue-earning flights on planned air services.

Tonne kilometres performed The total revenue load carried on a flight, multiplied by the total flight distance.

Traffic Passengers, cargo, and/or mail carried by airlines.

Trunk traffic Typically, high volume, long-haul services between high traffic cities.

Weight load factor Total tonne kilometres performed expressed as a percentage of available tonne kilometres.

Yield The average revenue received by an airline for flying a revenue-paying passenger kilometre.

Acronyms

AA	American Airlines (USA)
AC	Air Canada (Canada)
ACCC	The Australian Competition and Consumer Commission
AFR	<i>Australian Financial Review</i>
AFTA	ASEAN Free Trade Agreement
ANK	Air Nippon (Japan)
ANA	All Nipon Airways (Japan)
APEC	Asia Pacific Economic Cooperation
ASA	air service agreement
ASEAN	Association of Southeast Asian Nations
ATK	available tonne kilometres
BA	British Airlines (UK)
BAA	British Airports Authority (UK)
BOT	build, operate and transfer scheme
CAI	Canadian Airlines International
CAM	Macau Airport Company
CEPT	Common Effective Preferential Tariff
CIS	Commonwealth of Independent States
CLKA	Chek Lap Kok Airport (Hong Kong)
CO	Continental (USA)
CRS	computer reservations system
EAGA	East ASEAN Growth Area
EC	European Community
EJC	European Court of Justice
EU	European Union
EVA	Evergreen Airlines (Taiwan)
FAA	Federal Aviation Administration (USA)
FTA	free trade agreement
GATS	General Agreement on Trade in Services
GATT	General Agreement on Tariffs and Trade
GSD	Guidelines for Supervision and Development of the Multiple National Carriers (Korea)
IASC	International Air Services Commission (Australia)
IATA	International Air Transport Association (Geneva)

ICAO	International Civil Aviation Organisation (Montreal)
IPTN	Industri Persawat Terbang Nasional (Indonesia)
JAA	Japan Asia Airlines
JAC	Japan Air Commuter
JAL	Japan Airlines
JAS	Japan Air System
JDA	Japan Domestic Airways
JTA	Japan Trans-Ocean Airlines
KAA	Korea Airport Authority
KAL	Korean Air
KCAB	Korea Civil Aeronautics Board
KIA	Korean International Airport
KIAC	Kansai International Airport Company (Osaka, Japan)
KLM	Royal Dutch Airlines (Netherlands)
KNA	Korean National Airlines
KOTI	Korea Transport Institute
LH	Lufthansa (Germany)
MAS	Malaysia Airlines
MIA	Macao International Airport
MCT	Ministry of Construction and Transportation (Korea)
MNC	multinational corporation
MoT	Ministry of Transport (Japan)
MOU	memorandum of understanding
NAFTA	North American Free Trade Agreement
NCA	Nippon Cargo Airways (Japan)
NIEs	newly industrialising economies
NKLIA	new Kuala Lumpur International Airport (Malaysia)
NW	Northwest Airlines (USA)
NZCC	New Zealand Commerce Commission
OECD	Organisation for Economic Cooperation and Development
PAA	Provisional Airport Authority (Hong Kong)
PADS	Port and Airport Development Authority (Hong Kong)
PAL	Philippine Airlines
PECC	Pacific Economic Cooperation Council
RLCS	Regional and Local Carrier Service (United States–Canada)
RPK	Revenue passenger kilometres

SAS	Scandinavian Air (Sweden)
SBIA	second Bangkok International Airport (Thailand)
SIA	Singapore International Airlines
TA	Toa Airways (Japan)
TAT	Transport Aerien Trans-Regional
TDA	Toa Domestic Airways (Japan)
THAI	Thai International
TNT	Thomas Nationwide Transport (Australia)
TPC	Trade Practices Commission (Australia)
UA	United Airlines (USA)
USSR	Union of Soviet Socialist Republics
UTA	Union de Transport Aeriens (France)
WTO	World Trade Organization

Index

A

- Abu Dhabi 25
Addis Ababa Airport (Ethiopia) 25
Aer Lingus (Ireland) 173
Aeroflot 147
Aerolineas Argentinas (Argentina) 147, 183, 184
Aeromexico (Mexico) 52
AeroPeru (Peru) 52
aerospace industry 123, 134, 135
Ai Ain Int'l Airport (Abu Dhabi) 25
AirAsia (Malaysia) 132
Air Canada (AC) (Canada) 4, 52, 147, 155, 156, 163, 164, 167(n)
air cargo — *see* cargo
Air China 52, 146, 147
Air France 5, 143, 149, 174
Air Hong Kong 127, 128, 129, 144, 146, 150 (n)
Air India 52, 53, 148
Air Inter (France) 5, 174
Air Lanka (Sri Lanka) 52, 147
airline
 alliances x, xviii, 3, 4–7, 13, 14, 15, 16, 19(n), 31, 53, 63, 71, 85, 143–45, 150–53 173, 174, 184
 Ansett–Air New Zealand 70, 71, 185
 British–Qantas 54
 Delta–Singapore 71
 KLM–Northwest 5, 164
 SIA–Delta–Swissair
 Thai–United–Lufthansa 144
 UA–Lufthansa 5, 164
 capacity xii, xiii, 7, 23–48, 84, 85, 86, 87, 93, 163
 rights 160
 competition — *see* competition, airline
 efficiency 3, 8, 10, 50, 51, 54, 55, 85, 86, 115, 136, 187
 management 2, 12, 18(n), 74, 75, 93, 184
Air Mauritius 146, 147
Air New Zealand 52, 54, 70, 84, 90, 91, 102(n), 146, 147, 148, 182–190, 191(n)
Air Nippon (ANK) (Japan) 111, 146
Air Niugini (New Guinea) 52, 148, 149
Air Pacific (Fiji) 52, 56
Air Partners (USA) 4
Air Philippines 128, 129, 145
airport
 capacity ix, xii, xiii, 23–45, 59, 61, 112
 charges 37, 40, 41
 constraints xiii, 13, 23–45, 61, 111, 116, 174
 controls 62
 departure tax 37, 40
 efficiencies 59, 62
 landing fees 36, 37, 39–40, 41
air service agreements — *see* bilateral agreements, regional air service agreements
Air Seychelles 68
Air Siam (Thailand) 135
air traffic control system xviii, 33, 174, 179
Air Transport Action Group 31
air transport freedom rights x, xv, xvi, xvii, 16, 35, 65, 77, 116, 125, 133, 135, 141, 145, 158, 160–61, 181, 183, 185, 190, 192–194
 exchange of xvi, xvix
 fifth freedom xviii, 5, 65, 71, 73, 116, 127, 141, 150(n), 159, 162, 171, 172, 194
 fourth freedom xiii, xv, 12–13, 17, 71, 72, 194
 third freedom xiii, xv, 12–13, 17, 71, 72, 194
Alaska Airlines 164, 168(n)
Alitalia (Italy) 147
All Nippon Airlines (ANA) (Japan) 6, 8, 52, 107, 108, 111, 115, 117, 119, 123

- American Airlines (AA) (USA) 4, 7, 8, 18(n), 52, 116, 149, 164, 168(n), 175
 AMR (USA) 18(n)
 Anadyr Airport (Russia) 26
 Ansett International (Australia) 52, 71, 84, 85, 88, 89, 90, 91, 93, 99, 102(n), 104(n), 146, 148, 182–188
 Ansett New Zealand 183, 187, 189
 Ansett Worldwide Aviation Services (Australia) 189
 anti-competitive behaviour xv
 antitrust immunity 5, 164, 168(n)
 BA–Qantas 168(n)
 Canadian–US 164
 Argentina 185
 ASEAN Free Trade Agreement (AFTA) xvi, 123, 140
 Asiana (Korea) 53, 74–83, 90, 91, 92, 102(n), 127, 128, 130, 144, 146
 Asia Pacific Airlines (Malaysia) 128
 Asia Pacific Economic Cooperation (APEC) xiii, xvii, 23, 34, 72, 123, 125, 133, 140, 141, 142, 143
 Association of Canadian Airport Communities 158
 Association of Southeast Asian Nations (ASEAN) 35, 140
 Auckland Airport (New Zealand) 30
 Australia xv, xvi, xviii, xvix, 13, 15, 18(n), 23, 25, 29, 33, 39, 49, 50, 52, 53, 54, 58, 60, 65, 71, 73, 77, 84–105, 130, 181–191
 Australian Air 5
 Australian Airlines 84, 104(n), 181
 Australian Competition and Consumer Commission (ACCC) 84, 92
 Australian Foreign Investment Review Board 189
 Austria 175
 Austrian Airlines 146
 Avianco (Colombia) 52
- B**
 Bahrain 25
 Bahrain Airport (Bahrain) 25
 Baiyun Airport (Guangzhou) (China) 30, 33, 44
 balance of payment 68
 Banco Comercial de Macau 39
 Banco Nacional Ultramarine 39
 Bangkok Airways (Thailand) 128, 133, 150(n)
 Bangkok Int'l Airport (Thailand) 26, 30, 43, 44, 141
 Bangladesh 52
 Batam Airport (Indonesia) 45, 151(n)
 Beijing Airport (China) 26, 30, 44
 Beirut Int'l Airport (Lebanon) 26
 Belgium 40, 175
 Bergstrom Int'l Airport (USA) 25
 Berjaya (Malaysia) 128
 Bermuda 68
 Bermuda Agreement 107
 beyond rights — *see* air transport freedom rights
 bilateral agreements (*see also* multilateral agreements, trilateral agreements, regional air service agreements) xi, xii, xiii, xiv, xvii, xvix, 1, 3, 7, 9, 10, 11, 12, 14, 15, 17, 35, 65, 67, 71, 77, 80, 82, 83, 86, 107, 109, 115, 123, 129, 130, 135, 136, 140, 143, 145, 154–169, 170, 171–79, 181–91
 Australia–New Zealand 181–191
 Canada—US Open Skies Agreement — *see* open skies agreement
 Japan–US xvii, 116, 120(n)
 Japan–US Aviation Treaty Interim Agreement 109, 116
 Thai–US 135
 UK–US 6, 176
 US–German 5
 US–Netherlands 5, 116, 171
 bilateral negotiations xi, xvi, 11, 16
 reciprocity xiii, 16, 66, 67, 68, 69, 71, 141, 175
 Biman Bangladesh (Bangladesh) 52
 Boeing 9, 154
 Bogota Airport (Colombia) 54
 Bolivia 15
 Boston Airport (USA) 26
 BOT (build, operate and transfer) 54
 Bouraq (Indonesia) 130, 134, 144, 145, 146, 147
 Bowen, John xi, xii, xvii
 Brazil 68
 Brisbane Int'l Airport (Australia) 25
 Britain — *see* United Kingdom
 British Airports Authority 36, 49, 58, 60

- British Airways (BA) (UK) 5, 18(n), 49, 51, 54, 56, 84, 149, 164, 168(n), 173, 182
- British Caledonian (UK) 5
- British Midland (UK) 146, 148
- Brunei 52, 125, 143
- Brymon (UK) 5
- Bulgaria 25
- Burma — *see* Myanmar
- Button, Kenneth x, xvi, 117, 181
- C**
- cabotage xviii, 15, 65, 141, 159, 173, 181, 190
- Cambodia 35, 77
- Canada xviii, 4, 5, 13, 15, 17(n), 18(n), 23, 25, 52, 53, 65, 66, 141, 154–169, 177, 181
- Canada–US Customs/Immigration Preclearance Agreement 167(n)
- Canada–US Open Skies Agreement—*see* open skies agreements
- Canadian Air International (CAI) 52, 148, 156, 163, 164
- Canadian National Committee for Pacific Economic Cooperation 17(n)
- cargo xi, xii, 3, 13, 17, 38, 39, 41, 43, 44, 72, 73, 82, 83, 109, 123, 129, 133–34, 141, 146–149, 182
- Cargolux (Luxembourg) 146
- Cathay Pacific Airways (Taiwan) 7, 8, 19(n), 35, 52, 126, 127, 144, 145, 146, 150(n)
- Cebu Pacific (Philippines) 128, 129
- chaebol* 130
- Changi Airport (Singapore) 9, 26, 30
- charter markets xiii, 13
- deregulation 13
- services 68, 158, 163, 166(n), 184
- Cheju Airport (Korea) 79
- Chep Lap Kok Airport (Hong Kong) 9, 25, 39, 40–41
- Chicago Convention 67, 73(n), 171
- Chicago O'Hare Airport (USA) 161, 162, 164
- Chile 18(n), 23, 52, 54
- China vi, 1, 12, 17, 19(n), 23, 25, 27, 29, 32, 34, 35, 40, 41, 44, 73, 77, 142, 143, 146(n)
- China Airlines (CAL) 52, 126, 135, 144, 146, 147, 150(n)
- China Eastern 12, 146
- China Southern 12
- Christchurch Int'l Airport (New Zealand) 26
- city-pairs 27, 31, 65, 92, 93, 110, 113, 115, 123, 136, 154, 163
- Civil Aeronautics Law (Japan) 106, 107
- Civil Aviation Authority (UK) — *see* UK Civil Aviation Authority
- code-sharing xiii, xviii, 4, 13, 14, 17, 18(n), 90, 91–92, 103(n), 144, 145, 146–149, 156, 159, 164, 174, 176, 183, 185, 189
- Colombia 15, 52, 54
- Common Effective Preferential Tariff (CEPT) 140
- comparative advantage in air transport 66, 67, 69, 70, 71
- Compass (Australia) 104(n)
- competition, airline xi, xv, xvi, xvii, 2, 8, 9–10, 11, 12, 16, 53, 74, 75, 80, 82, 90, 95, 96, 98, 99, 100–101, 114, 115, 117, 118, 123, 141, 174, 177, 178, 186
- in domestic market xvii, 53, 74, 76, 78, 85, 90, 106, 108, 110, 117, 118, 145, 187, 190
- inhibition of 92
- in international markets 53, 79, 85, 86, 88–90, 99, 106, 108, 115, 190
- computer reservation system (CRS) xviii, 18(n), 80, 85, 91, 145, 153, 156, 168(n), 172, 173, 176, 177
- consumer interests xii, xiii, xv, xvi, xvii, xviii, 2, 3, 9, 10, 11, 14, 16, 35, 57, 69, 70, 72, 75, 85, 86, 106, 113, 114, 136, 157, 158, 163, 165, 174, 183, 190
- Continental Airlines (CO) (USA) 4, 52, 164
- corporatisation 49
- cost, airline 35, 36, 78, 97, 114–15, 118
- advantages 7
- inputs xii, xvi, xvix, 3, 7–8, 9, 11, 16, 55, 81, 96, 119–120, 136
- labour xii, xiv, 2, 3, 7, 8, 136
- maintenance 8
- curfew 27, 31, 61

- current account balance 134
Cyprus 25
- D**
Dallas Airport (USA) 26
Datuk Tajudin Ramli 132
defence 123
Delta (USA) 4, 7, 52, 53, 54, 56, 71,
116, 147, 149, 164, 168(n)
Dempsey, Paul Stephen xiv
Denmark 175
Denver Int'l Airport (USA) 36
departure slots — *see* slots, departure
deregulation of air transport xvix, 3, 4,
13, 18(n), 19(n), 85, 106, 110, 117,
118, 135, 136, 156, 157, 170, 181,
182
Deutsche BA (Germany) 5
Don Muang Airport (Thailand) 43, 129
double disapproval *see* pricing, double
disapproval
Dragonair (Hong Kong) 19(n), 53, 127,
128, 129, 144, 146, 148, 150(n)
duopoly 125, 150(n)
- E**
East ASEAN Growth Area (EAGA)
125, 143
economy
of scale xvi, 2, 115, 174, 190
of scope 94, 136, 145, 174, 190
Ecuador 15, 52
Egyptair (Egypt) 148
electronic ticketing — *see* computer
reservation system
environmental issues xiv, xviii, 59, 60,
62, 177
Ethiopia 25
EU — *see* European Union
Eurocontrol 179
European Commission (*see also* EU) 3,
5, 110, 140, 142, 170–80
European Council 172
European Court of Justice (ECJ) 140,
142, 176
European (Economic) Community 15,
66–67, 70, 180(n)
European Economic Area 175
European Union (EU) xi, xv, xvix, 5,
15, 65, 66, 69, 70, 73, 110, 117, 170–
80
Common Transport Policy 170
EVA Airways (Taiwan) 123, 128, 129,
130, 135, 144, 146, 147, 170–180
Evergreen (Taiwan) 129
- F**
fares (*see also* pricing) xi, xvii, 9, 97,
110, 113, 114, 163, 164, 165, 183,
187
discount 94, 110, 111, 114, 156, 164,
172
feeder carriers 4, 150, 151, 156, 187,
network 5
ferry links 34, 40, 41
Fiji 52, 53
Findlay, Christopher xv, xvi, xviii, 65
Finland 175
flag carriers 4, 7, 9, 10, 11, 12, 13, 15,
16, 49, 53, 63, 68, 79, 123, 126, 127,
129, 130, 132, 135, 141, 143, 145,
170, 171
flight frequencies 74–75, 76, 78, 80–82,
93, 144, 160, 161
competition in 75
foreign ownership/ investment in airlines
xiii, xviii, 14, 15, 53, 54, 56–57, 62,
63, 125, 159, 160, 173, 176, 177, 181,
182, 188–89, 190
limits to 54, 176, 182, 188
Forsyth, Peter xiv, 36
France 5, 9, 171, 172, 175
Frankfurt Airport (Germany) 25, 34
Freedom Air (New Zealand) 184
'freedoms' — *see* air transport freedom
rights)
free trade 66, 67, 69, 70, 71, 72, 73, 123
free trade agreement
Canada–US xvii, 154, 156, 160
freight — *see* cargo
frequency allocation — *see* flight
frequencies
frequent flyer programmes 4–5, 85, 90,
93, 95, 104(n), 136, 149, 156, 185,
189
Fuzhou Airport (China) 25, 44

G

Gardner Moen Airport (Norway) 26
Garuda (Indonesia) 52, 126, 127, 130,
132, 141, 144, 145, 146, 147, 148,
150(n) 151(n)
gateway city 27, 29, 32, 44, 73, 130, 141,
162, 175
General Agreement on Tariffs and Trade
(GATT) xiii, 154
General Agreement on Trade in Services
(GATS) 15, 16, 66, 155
Germany 25, 38, 73, 171, 172, 175, 176
global alliance network (*see also* hub
networks) xii, 4, 6, 7, 13, 14, 15, 16,
18(n), 56
globalisation of airline industry xiv, 8,
10, 16, 63, 117, 124, 170, 172
Gaoqi Airport (China) 44
government, role of xiv, xvi, xvii, 9, 10,
36, 48–64, 76, 106–120, 123, 157,
167(n), 173, 177
Grandair (Philippines) 128, 129, 145
Great China Air (Taiwan) 128
Greater Toronto Airport Authority
(Canada) 167(n)
Greece 25
Guangzhou Airport (China) — *see*
Baiyun
Guidelines for Supervision and
Development of Multiple National
Carriers (Korea) 76–79
Guilin Airport (China) 25
Gulf War 68

H

Haneda Airport (Japan) 110, 111, 113,
118
Hangzhou Airport (China) 44
Hawaiian Airlines (HAL) (USA) 52
Heathrow Airport (UK) 5, 57, 174, 175
Ho Chi Minh City Airport (Vietnam)
26
Holland — *see* Netherlands
Hong Kong 12, 24, 25, 27, 28, 29, 31,
32, 33, 34, 35, 36, 38, 39, 40–41, 44,
52, 53, 58, 62, 71, 73, 88, 89, 91,
102(n), 125, 127, 128, 136, 142,
150(n), 188
Department of Civil Aviation 40

Department of Highways and
Territory Development 40
Legislative Council 40
Mass Transit Railway Corporation
40
Provisional Airport Authority 33, 40
Ho, Stanley, 39
hub x, 4, 7, 13, 27, 31, 44, 59, 71, 140,
141, 143, 146(n), 158, 160, 163,
166(n), 195
airport 14, 16, 34, 60, 136, 140, 141,
157, 160, 161
-and-spoke networks xii, 4, 14, 16,
18(n), 31, 136, 156, 157
global 29, 32
mini 5, 9, 14
networks, single 17
networks, multiple 4, 5, 7, 14, 16, 17

I

Iberia (Spain) 54, 147
Iceland 175
income, rising Asian 2, 24, 27, 79–80
India 1, 33, 52, 88
Indian Airlines 52
Indonesia 1, 24, 27, 32, 44–45, 52, 53,
68, 88, 89, 123, 125, 127, 128, 129,
130, 132, 134, 135, 136, 141, 143,
145, 150(n), 151(n), 188
industrial disputes 129, 133
Industri Persawat Terbang Nasional
(IPTN) (Indonesia) 134
input costs — *see* cost, input
inter-city links 28, 34
intermodal links xiv, xvix, 34, 36, 38,
40, 43
International Air Services Commission
(Australia) 85–97
Act 85, 86
International Air Traffic Association
(IATA) 1, 9
International Civil Aviation
Organisation (ICAO) 117
Iran Air 148
Ireland 172
Italy 25, 172
Itami Int'l Airport (Japan) 38, 110

J

Jakarta Airport (Indonesia) 30

Japan xiii, xv, xvii, 1, 7, 8, 9, 11, 23, 24, 25, 27, 28, 29, 31, 32, 33, 34, 35, 36–38, 40, 51, 52, 53, 57, 73, 82, 88, 89, 90, 91, 106–120, 123, 141, 149, 150(n), 176, 188
 Ministry of International Trade and Industry 108
 Ministry of Transport 36, 106, 111, 115, 118, 120(n)
 Japan Airlines (JAL) 6, 8, 51, 52, 55, 56, 107, 108, 109, 111, 114, 115, 119, 147, 149, 150(n)
 Japan Air Systems (JAS) 52, 111, 115, 119
 Japan Asia Airlines (JAA) 111, 146
 Japan Domestic Airways (JDA) 107, 108
 Japan Trans-Ocean Airlines (JTA) 111
 John F. Kennedy Int'l Airport (New York) (USA) 26, 37, 161, 162

K

Kai Tak Airport (Hong Kong) 30, 40, 41, 62
 Kansai Int'l Airport (Osaka, Japan) 9, 25, 29, 36–38, 40, 111
 Kansai Int'l Airport Company (KIAC) (Japan) 37
 Kaohsiung Airport (Taiwan) 29
 Kimhae Airport (Korea) 79
 Kim, Jongsoek xv, xvi
 Kimpo Airport (Korea) 42, 79
 Kingsford Smith Airport (Sydney, Australia) 25
 Kissling, Christopher xviii
 Kiwi (New Zealand) 183, 184, 187, 189
 KLM (Netherlands) 5, 116, 150(n), 164, 175
 Korea xv–xvi, 12, 17, 23, 24, 25, 27, 28, 32, 33, 34, 35, 52, 53, 58, 74–83, 88, 91, 92, 93, 102(n), 125, 126, 127, 128, 129, 130, 134, 135, 176, 188
 Aeronautics Law 74, 78
 Civil Aeronautics Board 75
 Transport Institute (KOTI) 17(n)
 Korean Airlines (KAL) 6, 7, 8, 49, 51, 52, 74–83, 90, 91, 93, 99, 102(n), 126, 130, 144, 145, 146, 147, 148, 150
 Korean Int'l Airport — *see* Yongjong Int'l Airport

Korean National Airlines (KNA) 74
 Korean War 68
 Kuala Lumpur International Airport (Malaysia) — *see* Sepang
 Kuwait Airways 148

L

labour costs — *see* cost, labour
 Ladeco (Chile) 52, 54
 La Guardia Airport (New York, USA) 161, 162, 167(n)
 Lan Chile (Chile) 52
 landing fees — *see* cost, airline
 Laos 77, 142
 Larnaca Int'l Airport (Cyprus) 25
 Lebanon 26
 liberalisation xiii, xiv, xv, xvii, xvix, 3, 4, 9, 10, 10–12, 35, 57, 58, 65–73, 109, 112, 117, 123–54, 170–180
 impediments to xiii, 10–12, 65–73, 141
 links, intermodal — *see* intermodal links
 Lombok Airport (Indonesia) 45
 loyalty schemes — *see* frequent flyer programmes
 Lufthansa (Germany) 5, 143, 146, 147, 149, 164, 173, 175
 Luxembourg 175

M

Macau 26, 32, 38–40, 41
 Macau Airport Company (CAM) 38, 39
 Macau Int'l Airport 26, 33, 38–40
 Makung Airlines 144, 146, 147
 Malaysia 24, 26, 27, 32, 42, 52, 53, 88, 89, 103(n), 125, 128, 129, 130, 134, 136, 137, 143, 188
 Malaysia Airlines 52, 103(n), 126, 132, 143, 144, 146, 147, 148, 149
 management — *see* airline management
 Mandarin Airlines (Taiwan) 128, 144, 148
 Manila Airport (Philippines) 30, 140
 Martinair (Netherlands) 146
 Medan Airport (Indonesia) 45
 megacarriers 4, 6, 14, 16, 56, 82
 mercantilism 10, 66
 Merpati (Indonesia) 52, 130, 134
 Mexicana 52
 Mexico 15, 52, 53, 66, 154, 156

- Miami Int'l Airport (USA) 26
 Middle East Airlines 148
 military airport facilities 28, 31, 44, 78–79
 ownership of airlines 129
 positions in airlines 150(n)
 use of airport facilities 11
 mini-hub — *see* hub
 Ministry of International Trade and Industry (Japan) *see* Japan, Ministry of International Trade and Industry
 monopoly power
 of airlines 59, 76, 77, 79, 81, 125, 127, 155
 of airports 50, 59, 60
 Montreal Airport (Canada) 160, 167(n)
 multilateral agreements 15, 16, 67, 68, 117
 multilateralism xv, 12
 liberalisation 12, 16, 123–153
 negotiation 11, 14
 reform iv, 15, 135
 multinational corporation (MNC) 142
 multiple designation xi, xiii, xv, xvii, 15, 53, 58, 74–83, 84–105, 115, 130, 144, 172, 182
 multiple hub network — *see* hub
 multiple tracking — *see* multiple designation
 Munich Airport (Germany) 25
 Myanmar 142
 Myanmar Airways 148
- N**
- Naha Int'l Airport (Okinawa, Japan) 25
 Nanjing Luko (China) 25
 Narita Airport (Tokyo, Japan) 9, 25, 30, 35, 141
 national carriers — *see* flag carriers
 National Jet Systems (Australia) 88
 Netherlands 5, 40, 172, 175
 New Lahore Airport (Pakistan) 26
 newly industrialising economies (NIEs)
 xi, 1, 2, 8, 118, 125, 126, 127, 134, 141, 144, 145
 News Corporation (News) (Australia) 185–189
 New Zealand xviii, xvix, 18(n), 26, 33, 39, 49, 52, 59, 65, 84, 87, 181–191
 Commerce Commission (NZCC) 186, 187, 189, 191(n)
 Nippon Cargo Airways (NCA) (Japan) 109, 111
 Noi Bai Int'l Airport (Hanoi, Vietnam) 27
 noise xiv, 37, 38, 59, 61–62
 North American Free Trade Agreement (NAFTA) xviii, 66, 140, 154, 156, 166(n)
 Northwest (USA) 4, 5, 52, 116, 146, 164, 168(n), 175
 Norway 26, 175
- O**
- O'Connor, Kevin xiv
 'open skies' agreement xiii, xviii, xvix, 5, 10, 11, 12, 14, 15, 17, 65, 130, 136, 142, 154–169, 176
 Asian 10, 13, 15, 16, 17, 136
 Canada–US Open Skies Agreement xiii, xviii, xvix, 65, 70, 71, 73, 92, 93, 154–169, 172, 181
 'Limited Open Skies' 10, 130
 policy 175
 US–Brunei 142
 US–Malaysia 142
 US–Singapore 142
 US–Taiwan 142
 Organisation of Economic Cooperation and Development (OECD) 72, 179(n)
 Orient Express Air (Thailand) 128
 Orlando Int'l Airport (USA) 26
 Osaka Airport (Japan) (*see also* Kansai Int'l Airport) 29, 34
 Oum, Tae Hoon xi, xii, xiii, 82, 117
- P**
- Pacific East Asia Cargo (Philippines) 128
 Pacific Economic Cooperation Council (PECC) xiii, 18(n)
 Chinese Taipei 29
 Pakistan 26, 52
 Pakistan International (Pakistan) 52
 Papua New Guinea 52, 53
 Pearl River Delta region 27, 32, 33, 34, 38, 44

- Pearson Int'l Airport (Canada) 25, 167
 Pelangi Air (Malaysia) 128
 Peru 15, 52, 141
 Philadelphia Airport (USA) 26
 Philippine Airlines (PAL) 52, 126, 129, 132, 133, 144, 146, 147, 148
 Philippines 1, 12, 44, 52, 53, 125, 127, 128, 129, 134, 143, 145
 Pittsburgh Airport (USA) 26
 Portugal 38
 PR Holdings (Philippines) 132–33
 pricing (*see also* fares)
 competition 2, 10, 74, 75, 80, 93–94, 162, 172
 double approval 155
 double disapproval 78, 162, 172
 predatory 94, 95, 99, 100, 103(n), 135
 regulation 10, 35, 50, 59, 60, 61, 75, 84, 112, 162, 171
 privatisation xi, xiv, 48–64, 115, 130–132
 airline xiv, 48–64, 110, 132–33, 156, 182
 airport xiv, 35, 36, 48–64
 procompetitive policy ix, 10, 14, 79, 82, 86, 93, 96, 99, 106, 109, 117, 118, 120(n)
 Pudong Airport (Shanghai, China) 9, 25
- Q**
 Qantas 6, 8, 19(n), 35, 51, 52, 53, 54, 55, 70, 71, 84, 85, 89, 90, 91, 93, 102(n), 150(n), 146(n), 164, 168(n), 181–187, 190, 191(n)
- R**
 rail links (*see also* intermodal links) 28, 34, 38, 41, 43
 Ramos, Fidel 132
 Region Air (Singapore) 128, 150(n)
 regional air service agreements 69, 70, 100
 Regional and Local Carrier Service Agreement (US–Canada) 160, 168(n)
 regional trade agreements xi, xiii, 70
 rights, air traffic — *see* air transport freedoms
- Rome Airport (Italy) 25
 Round, David xv, xvi
 route rights — *see* air transport freedom rights
 Royal Brunei 52, 146, 148
 Russia 26
- S**
 Sabena Airlines (Belgium) 5, 18(n)
 Saeaga (Malaysia) 143
 Saeta Air Ecuador 52
 safety xviii, 74, 35, 37, 172, 178
 San Francisco Int'l Airport (USA) 26
 Sanya Airport (China) 44
 Saudia (Saudi Arabia) 147
 Scandinavian Air (SAS) (Sweden) 5, 149, 150(n)
 Second World War 66, 68, 107, 126, 155
 Sempati (Indonesia) 53, 123, 127, 128, 129, 130, 134, 144, 145, 148, 149
 Sepang Int'l Airport (Kuala Lumpur) (Malaysia) 26, 30, 42, 140
 Shanghai Airport (China) 30, 44
 Shenzhen Airport (China) 33, 44
 Silkair (Singapore) 127, 128, 129, 130, 131, 144, 148, 149, 150(n)
 Singapore 12, 24, 26, 27, 29, 32, 33, 35, 36, 52, 53, 54, 71, 88, 91, 125, 127, 128, 130, 132, 134, 135, 140, 141, 145, 150(n), 151(n), 176
 Singapore Airlines 8, 51, 52, 53, 55, 56, 71, 126, 127, 132, 134, 135, 136, 144, 145, 148, 149, 150(n), 151(n), 185, 187
 Singapore International Airlines (SIA) — *see* Singapore Airlines
 single aviation market 5, 73, 172, 181–91
 single designation (*see also* multiple designation) 123, 155, 182, 189
 slots 32, 38, 125, 161–162
 departure 23, 35, 59, 61, 79, 112, 141
 landing 23, 112, 118, 141, 174
 'small government' 50
 Sociedade Do Aeroporto Internacional de Macau — *see* Macau Airport Company
 Sophia Int'l Airport (Bulgaria) 25
 South Africa 150(n)

Southeast Asia xvii, 9, 24, 29, 31, 76,
82, 130, 136, 138–39, 140, 143
South Korea — *see* Korea
Southwest Airlines (USA) 164, 168(n)
Spain 171, 172
Spata Airport (Athens, Greece) 25
Sri Lanka 52
Subang Airport (Kuala Lumpur,
Malaysia) 42
Sub-regional agreements 125, 142–43
Suharto, President 129
superhub (*see also* hub) 3, 9, 10, 14, 160,
163
Surabaya Airport (Indonesia) 45
Sweden 175
Swissair (Switzerland) 5, 18(n), 147, 149
Switzerland 175
Sydney Airport (Australia) (*see also*
Kingsford Smith) 30

T

Taipei Airport (Taiwan) 30
Taiwan 12, 24, 27, 33, 35, 43–44, 52, 53,
88, 89, 123, 127, 128, 129, 130, 135,
142, 150(n), 176, 188
Tan, Lucio 129, 133
tariffs 141, 172
Temasek Holdings (Singapore) 132
Thai International (THAI) 6, 7, 8, 52,
126, 129, 132, 133, 144, 149, 150(n)
Thailand 12, 26, 27, 28, 32, 33, 52, 125,
128, 129, 130, 132, 134, 135, 142,
150(n). 176
Thomas Nationwide Transport (TNT)
(Australia) 185–189
Tiananmen Square crackdown 40
Toa Airways (TA) (Japan) 107, 108
Tokyo Narita (Japan) — *see* Narita
Airport
Toronto Airport (Canada) 161, 162,
167(n)
tourism xvix, xiii, 45, 55, 68, 69, 70, 72,
77, 85, 86, 90, 96–98, 101(n), 123,
125, 126, 127, 130, 142, 145, 150(n)
tracking
double 113
multiple 113
single 113
Trade Practices

Act (Australia) 92, 95, 99
Commission (Australia) 92, 102(n)
Tribunal (Australia) 95, 103(n)
trade reform xv, 4, 72, 123
TransAsia Airways (Taiwan) 127, 128
Transmile Airways (Malaysia) 128
Treaty of Rome 66, 69, 70, 140
Trettheway, Michael xiv, xviii, 65, 117,
181
trilateral agreements 67, 69
trunk routes 7
turboprop 156
Turkmenistan 26
Turkmenistan Airport 26

U

Ujung Padam Airport (Indonesia) 45
Uni Airways (Taiwan) 128
union, labour (*see also* industrial
disputes) 50, 126
United Airlines (UA) (USA) 4, 5, 7,
52, 116, 163, 164, 167(n), 190
United Kingdom 6, 26, 40, 49, 50, 57,
60, 166(n), 171–171, 175
Civil Aviation Authority 174
United States xii, xiii, xvii, 1, 3, 4, 5, 6,
7, 8, 10, 12, 13, 15, 16, 18(n), 23, 26,
27, 31, 35, 52, 53, 57, 58, 60, 65, 67,
70, 73, 79, 82, 87, 111, 115, 116, 117,
118, 130, 135, 136, 142, 154–169,
170, 171, 172, 173, 175, 176, 177,
178, 181, 189
Airports for a Better International
Air Service 158
Civil Aeronautics Board 171
Department of Justice 5
Department of Transportation 18(n),
164, 174
Federal Aviation Administration
(FAA) 134
General Accounting Office 174
United States–Canada Free Trade
Agreement — *see* free trade
agreement, Canada–US
US Air 4, 6, 168(n)
USSR 23

V

Vancouver Int'l Airport (Canada) 24,
158, 160, 166(n), 167(n), 168(n)

Venezuela 15
Vienna Airport (Austria) 49, 58
Vietnam 26, 32, 35, 44, 52, 76, 143,
150(n)
Vietnam Airlines 52, 146, 147, 148, 149
Vietnam War 68
Virgin Atlantic (UK) 148

W

Washington Airport (USA) 26, 161,
167(n)
Washington National Airport (USA)
161, 162
wide-body aircraft 24, 27, 29, 31, 85, 115
World Trade Organization xviii, 16, 179
World War II — *see* Second World War
Wuzhou Airport (China) 44

Y

Yongjong Int'l Airport (Seoul, Korea)
25, 29, 30, 42–43

Z

Zhuhai Airport (China) 25, 33
zone fare system 107, 110, 113, 120(n)