

**CONFERENCE ON THE ECONOMICS OF AIRPORTS AND
AIR NAVIGATION SERVICES**

(Montreal, 19 - 28 June 2000)

- Agenda item 1:** **Economic situation of airports, air navigation service providers and their financial
relationship with air carriers and other users**
- Agenda item 2:** **Organizational issues**

**ORGANIZATIONAL ASPECTS OF THE PROVISION OF AIRPORTS AND AIR
NAVIGATION SERVICES**

(Presented by the Secretariat)

ADDENDUM NO. 1

Further to the footnote to paragraph 1.1 of ANSTConf-WP/18 this Addendum contains the breakdown by State of the data summarized in the Appendices of that paper.

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APPENDIX F

OWNERSHIP AND OPERATION OF AIRPORTS
(Breakdown of Appendix A by responding States in alphabetical order)

State	Airport (s)	Govt owned autonomous entity		Directorate of Civil Aviation		Ministry or other govt department		Regional or municipal govt		Concession or leasing arrangt		Privately owned airport entity		Other	
		Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Algeria	14 airports 1/	x													
Australia	Brisbane											x	x		
	Melbourne									x	x				
	Perth									x	x				
	Sydney	x									x				
Austria	Vienna					x		x				x			
Azerbaijan	Baku			x			x								
Bahrain	Bahrain			x											
Bangladesh	Dhaka			x											
Barbados	Bridgetown		x			x									
Belgium	Brussels	x													
	Antwerpen							x			x				
	Charleroi							x							
	Liège							x							
	Ostend							x			x				
Bolivia	3 airports 2/									x					
Botswana	6 airports 3/		x	x		x									
Brazil	6 airports 4/	x						x		x					
Brunei Darussalam	Bandar Seri Begawan	x		x		x		x			x		x		5/
Bulgaria	Sofia					x	x								
Burkina Faso	2 airports 6/													7/	
Cameroon	3 airports 8/									x					
Canada	All major airports									x					
China, Hong Kong SAR 9/	Hong Kong	x													
Costa Rica	Alajuela			x	x										
	San Jose			x							x				

State	Airport (s)	Govt owned autonomous entity		Directorate of Civil Aviation		Ministry or other govt department		Regional or municipal govt		Concession or leasing arrangt		Privately owned airport entity		Other	
		Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur	Plan
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	Guanacaste			x	x										
Czech Rep.	Prague	x											x		
Denmark	Copenhagen									x					
Ecuador	2 airports 10/			x									x		
Egypt	5 airports 11/			x											
Eritrea	Asmara	x													
Estonia	Tallinn	x	x												
Finland	Helsinki	x													
France	Paris	x	x												
	Bale/ Mulhouse 12/	x	x												
	Lyon	x				x									
	Marseille	x				x									
	Nice	x				x									
	Toulouse	x				x									
Gambia	Banjul	x													
Germany	Berlin	x						x					x		
	Bremen							x							
	Dresden							x							
	Dusseldorf							x				x		13/	
	Erfurt							x							
	Frankfurt	x						x					x		
	Hamburg	x						x			x				
	Hannover							x				x			
	Cologne/ Bonn	x						x							14/
	Leipzig							x							
	Munich	x						x							
	Munster							x							
	Nuremberg							x							
	Saarbrucken							x		x				15/	
	Stuttgart							x							
Ghana	Accra			x							x				

State	Airport (s)	Govt owned autonomous entity		Directorate of Civil Aviation		Ministry or other govt department		Regional or municipal govt		Concession or leasing arrangt		Privately owned airport entity		Other	
		Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Greece	Athens-Hellinikon	x		x							16/				
	7 airports 17/	x		x											
Iceland	Reykjavik					x	x								
Iran	Tehran	x													
Ireland	3 airports 18/)	x													
Jamaica	2 airports 19/	x									x				
Japan	Tokyo-Narita													20/	
	Osaka-Kansai											x			
Jordan	Amman		x	x											
Kenya	Nairobi	x													
Kuwait	Kuwait		x	x											
Lebanon	Beirut			x											
Lithuania	4 airports 21/					x	x								
Maldives	Male	x													
Malta	Luqa	x													
Mauritius	Mauritius	x													
Mexico	9 airports 22/	x									x				
Monaco	Monaco			x	x										
Morocco	8 airports 23/	x													
Namibia	8 airports 24/	x													
Netherlands	3 airports 25/	x				x		x			x		x		
New Zealand	Auckland													26/	26/
	Christchurch	x													
	Dunedin													27/	
	Queenstown							x							
	Wellington											x	x		
Norway	All State owned airports	x	x												
Oman	Muscat					x	x								
Poland	Warsaw	x													
Qatar	Doha	x													
State	Airport (s)	Govt owned autonomous entity		Directorate of Civil Aviation		Ministry or other govt department		Regional or municipal govt		Concession or leasing arrangt		Privately owned airport entity		Other	

		Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Republic of Moldova	Chisinau			x											
Romania	Bucharest-Otopeni					x									
Russian Fed.	St Petersburg	x	x												
	Rostov			x											
St Vincent and the Grenadines	Kingstown					x									
Sao Tome and Principe	Sao Tome	x													
Saudi Arabia	2 airports 28/		x	x											
Senegal	Dakar	x									x			29/	
Singapore	Singapore-Changi	x	x												
Slovakia	5 airports 30/	x							x		x				
South Africa	2 airports 31/					x							x		
	Bloemfontein											x	x		
	Durban	x													
	East London	x		x									x		
	Johannesburg					x							x		
	Kimberley											x			
	Port Elizabeth														
	Upington											x			
Spain	40 airports	x													
Sri Lanka	Colombo	x	x												
Swaziland	Mbabane			x											
Sweden	3 airports 32/	x	x												
Switzerland	Geneva	x													
	Bale/Mulhouse													12/	12/
	Zurich							x			x				
Tajikistan	4 airports 33/	x	x	x	x										
Thailand	Bangkok-Don Muang	x													34/
State	Airport (s)	Govt owned autonomous entity		Directorate of Civil Aviation		Ministry or other govt department		Regional or municipal govt		Concession or leasing arrangt		Privately owned airport entity		Other	
		Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan	Cur.	Plan
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

[illegible]

Cur. Current situation
 Plan. Planned for the future

Notes to Appendix F

1/ Algiers, Adrar, Annaba, Bejaia, Constantine, Djanet, Ghardaia, Hassi Messaoud, In Amenas, Oran, Tamanrasset, Tebesa, Tiaret, Tlemcen.

2/ Cochabamba, La Paz, Santa Cruz.

3/ Francistown, Gaborone, Gizanz, Kasane, Maun, Selebi Phikwe.

4/ Manaus, Porto Alegre, Recife, Rio de Janeiro-Galeao, Salvador, Sao Paulo-Guarulhos.

5/ Corporate, APM, cargo.

6/ Bobo Dioulasso, Ouagadougou.

7/ ASECNA

8/ Douala, Garoua, Yaoundé.

9/ Hong Kong Special Administrative Region.

10/ Guayaquil, Quito.

11/ Alexandria, Aswan, Hurghada, Luxor, Sharm el Sheikh.

12/ Bi-national Franco-Swiss entity.

13/ Partly privatized: 50% city of Dusseldorf, 50% private (Airport Partners GmbH)

14/ Partly privatized

15/ Ownership regional government, operation private.

16/ Refers to the new Athens airport at Spata.

17/ Chania, Corfu, Heraklion, Kos, Rhodes, Thessaloniki, Zakynthos.

18/ Cork, Dublin, Shannon.

19/ Kingston, Montego Bay.

20/ Airport authority.

21/ Kaunas, Palanga, Siauliai, Vilnius.

22/ Acapulco, Cancun, Guadalajara, Mazatlan, Merida, Mexico City, Monterrey, Puerto Vallarta, San Jose del Cabo.

23/ Agadir, Al Hoceima, Casablanca-Mohamed V, Fez, Marrakesh, Ouarzazate, Oujda, Rabat.

24/ Katima Mulilo, Keetmanshop, Luderitz, Ondangwa, Rundu, Walvis Bay, Windhoek (2 airports).

25/ Amsterdam, Eindhoven, Rotterdam.

26/ Company listed on public stock exchange

27/ Airport company 50% national, 50% local.

28/ Jeddah, Riyadh.

29/ ASECNA

30/ Bratislava, Kosice, Poprad, Sliat, Piestany.

31/ Cape Town, George.

32/ Gothenburg, Malmo, Stockholm-Arlanda.

33/ Dushanbe, Khudzhand, Kurgan Tyube, Kulyab.

34/ Partly privatized.

35/ Ohrid, Skopje.

36/ Djerba, Gafsa, Monastir, Sfax, Tabarka, Tozeur, Tunis.

37/ BAA plc: Aberdeen, Edinburgh, Glasgow, London-Heathrow, London-Gatwick, London-Stansted.

38/ Hanoi, Ho Chi Minh City.

39/ Bulawayo, Buffalo Range, Charles Pr., Harare, Hwange, Kariba, Masvingo, Victoria Falls.

APPENDIX G

OWNERSHIP OF AIRPORTS
(Listing by responding States in alphabetical order)

State	Airport(s)	Per cent private interests		Per cent public interests	
		Current	Planned	Current	Planned
(1)	(2)	(3)	(4)	(5)	(6)
Australia	Brisbane	100%	100%	0%	0%
	Melbourne	100%	100%	0%	0%
	Perth	100%	100%	0%	0%
	Sydney	0%	100%	100%	0%
Austria	Vienna	47.9%		52.1%	
Bahrain	Bahrain	0%		100%	
Barbados	Bridgetown	0%	0%	100%	100%
Belgium	Brussels	36.4%		63.6%	
	Charleroi	15%		85%	
	Liège	20%		80%	
Bolivia	Cochabamba	100%		0%	
	La Paz	100%		0%	
	Santa Cruz	100%		0%	
Brazil	Manaus	0%		100%	
	Porto Alegre	0%		100%	
	Recife	0%		100%	
	Rio de Janeiro-Galeao	0%		100%	
	Salvador	0%		100%	
	Sao Paulo-Guarulhos	0%		100%	
Brunei Darussalam	Bandar Seri Begawan	0%		100%	
Bulgaria	Sofia	0%	49%	100%	51%
Cameroon	3 airports 1/	59%		41%	
Canada	All major airports	0%	0%	100%	100%
Costa Rica	3 airports 2/	0%	0%	100%	100%

State	Airport(s)	Per cent private interests		Per cent public interests	
		Current	Planned	Current	Planned
(1)	(2)	(3)	(4)	(5)	(6)
Czech Republic	Prague	0%	50%	100%	50%
Denmark	Copenhagen	49%		51%	
Ecuador	2 airports 3/		60%		40%
Egypt	5 airports	0%		100%	
Finland	Helsinki	0%		100%	
Gambia	Banjul	0%		100%	
Germany	Berlin	0%	100%	100%	0%
	Bremen	0%	0%	100%	100%
	Dresden	0%	0%	100%	100%
	Dusseldorf	50%		50%	
	Frankfurt	0%		100%	
	Hamburg	0%	49%	100%	51%
	Hannover	30%		70%	
	Cologne/Bonn	0%	50%	100%	50%
	Munster/ Osnabruck	0%		100%	
	Saarbrücken	0%	0%	100%	100%
	Stuttgart	0%		100%	
Ghana	Accra	0%	4/	100%	4/
Greece	Athens- Hellinikon	0%		100%	
	Athens-Spata		45%		55%
	7 airports 5/	0%		100%	
Iran (Islamic Rep. of)	Tehran	0%		100%	
Ireland	3 airports 6/	0%	49%	100%	51%
Jamaica	2 airports 7/	0%		100%	
Japan	Osaka-Kansai	15.2%		84.8%	
Jordan	Amman	0%		100%	
Lebanon	Beirut	0%	0%	100%	100%
Lithuania	4 airports 8/	0%		100%	
Maldives	Male	0%	0%	100%	100%
Malta	Luqa	0%		100%	

State	Airport(s)	Per cent private interests		Per cent public interests	
		Current	Planned	Current	Planned
(1)	(2)	(3)	(4)	(5)	(6)
Mauritius	Mauritius	3%		97%	
Mexico	Acapulco	0%	100%	100%	0%
	Cancun	15%	100%	85%	0 %
	Guadalajara	15%	100%	85%	0%
	Mazatlan	0%	100%	100%	0%
	Merida	15%	100%	85%	0%
	Mexico City	0%	100%	100%	0%
	Monterrey	0%	100%	100%	0%
	Puerto Vallarta	15%	100%	85%	0%
	San Jose del Cabo	15%	100%	85%	0%
Monaco	Monaco	0%	0%	100%	100%
Namibia	8 airports 9/	0%		100%	
Netherlands	3 airports 10/	0%	10%	100%	90%
New Zealand	Auckland	56%	11/	44%	12/
	Dunedin	0%		100%	
	Wellington	66.7%	66.7%	33.3%	33.3%
Norway	All State-owned airports	0%	0%	100%	100%
Poland	Warsaw	0%	49%	100%	51%
Rep. of Moldova	Chisinau	0%		100%	
Russian Fed.	St Petersburg	0%	0%	100%	100%
	Rostov-na-Donu	62%		38%	
Senegal	Dakar		4/		4/
Slovakia	5 airports 13/	0%	40%	100%	60%
South Africa	Cape Town	49%		51%	
	Durban	20%	49%	80%	51%
	East London	20%	49%	80%	51%
	George	49%		51%	
	Johannesburg	24.2%	100%	75.8%	0%
	Upington	20%		80%	
Spain	40 airports	0%		100%	

State	Airport(s)	Per cent private interests		Per cent public interests	
		Current	Planned	Current	Planned
(1)	(2)	(3)	(4)	(5)	(6)
Sri Lanka	Colombo	0%	0%	100%	100%
Swaziland	Mbabane	0%		100%	
Sweden	3 airports 14/	0%	0%	100%	100%
Switzerland	Zurich	0%		100%	
Tajikistan	4 airports 15/	0%	49%	100%	51%
Thailand	Bangkok-Don Muang	0%	0%	100%	100%
	Bangkok-Nong Ngu Hao	0%	30%	100%	70%
The Former Yugoslav Rep. of Macedonia	2 airports 16/	0%		100%	
Turkey	Istanbul	0%		100%	
Turkmenistan	Ashgabat	0%	0%	100%	100%
Ukraine	Dniepropetrovsk	0%	49%	100%	51%
	Donetsk	0%		100%	
	Kyiv-Borispol	0%		100%	
	Lvov	0%	0%	100%	100%
	Odessa	0%	0%	100%	100%
	Simferopol	0%	0%	100%	100%
United Kingdom	BAA 17/	100%	100%	0%	0%
	Belfast	100%	100%	0%	0%
	Birmingham	51%		49%	
	Bristol	51%		49%	
	Cardiff	100%	100%	0%	0%
	East Midlands	100%	100%	0%	0%
	London City	100%	100%	0%	0%
	Manchester	0%	0%	100%	100%
Un. Rep. of Tanzania	Dar es Salaam	0%		100%	
United States	Chicago	0%		100%	
	Dallas	0%		100%	
	Los Angeles	0%		100%	

State	Airport(s)	Per cent private interests		Per cent public interests	
		Current	Planned	Current	Planned
(1)	(2)	(3)	(4)	(5)	(6)
United States (cont'd)	New York-JF Kennedy	0%		100%	
Uzbekistan	Tashkent	0%	0%	100%	100%
Viet Nam	2 airports 18/	0%	0%	100%	100%

Notes to Appendix G

1/ Douala, Garoua, Yaoundé.

2/ Alajuela, San Jose-Juan Santamaria, Guanacaste.

3/ Guayaquil, Quito.

4/ To be determined.

5/ Chania, Corfu, Heraklion, Kos, Rhodes, Thessaloniki, Zakynthos.

6/ Cork, Dublin, Shannon.

7/ Kingston, Montego Bay.

8/ Kaunas, Palanga, Siauliai, Vilnius.

9/ Katima Mulilo, Keetmanshop, Luderitz, Ondangwa, Rurdu, Walvis Bay, Windhoek (2 airports).

10/ Amsterdam, Eindhoven, Rotterdam.

11/ Greater.

12/ Lesser.

13/ Bratislava, Kosice, Poprad, Sliat, Piestany.

14/ Gothenburg, Malmo, Stockholm-Arlanda.

15/ Dushanbe, Khudzhand, Kurgan Tyube, Kulyab.

16/ Ohrid, Skopje.

17/ BAA plc: Aberdeen, Edinburgh, Glasgow, London-Heathrow, London-Gatwick, London-Stansted.

18/ Hanoi, Ho Chi Minh City.

APPENDIX H

MAJOR AREAS OR SERVICES OWNED OR OPERATED BY PRIVATE INTERESTS
(Breakdown of Appendix B by responding States in alphabetical order)

State	Airport (s)	Passenger terminal			Cargo terminal			Ground handling			Air traffic control			Security services			Other		
		Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
Algeria	14 airports 1/																		
Australia	4 airports 2/			x			x			x	x			x					
Austria	Vienna																		
Azerbaijan	Baku	x					x			x									3/
Bahrain	Bahrain				x			x											
Bangladesh	Dhaka	x			x			x			x			x					
Belgium	5 airports 4/	x			x			x			x			x					
Barbados	Bridgetown	x			x			x			x			x					
Bolivia	3 airports 5/		x			x			x		x				x				
Botswana	6 airports 6/																		
Brazil	6 airports 7/																		
Brunei Darussalam	Bandar Seri Begawan	x			x			x			x			x					
Bulgaria	Sofia																		
Burkina Faso	2 airports 8/	x			x			x			x						9/		

[illegible]

State	Airport (s)	Passenger terminal			Cargo terminal			Ground handling			Air traffic control			Security services			Other		
		Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
Ireland	3 airports 20/																		
Jamaica	2 airports 21/							x									22/		
Japan	2 airports 23/	x			x					x				x					
Jordan	Amman	x			x			x			x			x					
Kenya	Nairobi	x					x			x	x			x					
Kuwait	Kuwait 24/																		
Lebanon	Beirut							x									25/		
Lithuania	4 airports 26/	x					x			x	x			x					
Maldives	Male	x				x		x			x			x					
Malta	Luqa	x			x			x			x			x					
Mauritius	Mauritius	x			x			x			x			x					
Mexico	9 airports 27/	x			x			x						x					
Monaco	Monaco																		
Morocco	8 airports 28/																		
Namibia	8 airports 29/							x											
Netherlands	3 airports 30/				x				x										
New Zealand	5 airports 31/	x			x					x	x			x					

State	Airport (s)	Passenger terminal			Cargo terminal			Ground handling			Air traffic control			Security services			Other		
		Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
Poland	Warsaw 32/																		
Qatar	Doha	x			x			x			x			x					
Republic of Moldova	Chisinau				x			x											
Romania	Bucharest									x				x					33/
Russian Federation	2 airports 34/	x			x			x			x			x					
St Vincent and the Grenadines	Kingston							x											
Sao Tome and Principe	Sao Tome																		
Saudi Arabia	2 airports 35/	x			x			x											
Senegal	Dakar	x			x			x			x			x					
Singapore	Singapore				x			x											
Slovakia	5 airports 36/	x			x			x			x			x					
South Africa	9 airports 37/	x					x			x			x			x			
Spain	40 airports																		
Sri Lanka	Colombo				x														
Swaziland	Mbabane				x			x											
Sweden	3 airports 38/									x									
Switzerland	3 airports 39/	x			x			x			x								

State	Airport (s)	Passenger terminal			Cargo terminal			Ground handling			Air traffic control			Security services			Other		
		Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.	Dom.	For.	Mix.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
Thailand	Bangkok			x			x			x	x			x					
The Former Yugoslav Rep. of Macedonia	2 airports 41/																		
Tunisia	7 airports 42/				x			x									43/		
Turkey	Istanbul	x			x			x			x			x					
Turkmenistan	Ashgabat	x			x			x			x			x			44/		
Uganda	Entebbe																		
Ukraine	6 airports 45/	x			x			x			x			x					
United Kingdom	14 airports 46/	x			x					x	x					x	x		
Un. Rep. of Tanzania	2 airports 47/	x			x			x			x			x					
United States	6 airports 48/							x											
Uzbekistan	Tashkent	x			x			x						x					
Viet Nam	2 airports 49/					x													
Zimbabwe	8 airports 50/				x					x				x					

Dom. Domestic private interests (exclusively)

For. Foreign private interests (exclusively)

Mix. Mixed (domestic and/or foreign private interests)

Notes to Appendix H

General: Absence of information with regard to a specific major area or service at an airport may be due to either the State not having provided this specific information although it did provide information for the other related questions, or that there is no private involvement in the area or service in question.

1/ Algiers, Adrar, Annaba, Bejaia, Constantine, Djanet, Ghardaia, Hassi Messaoud, In Amenas, Oran, Tamanrasset, Tebesa, Tiaret, Tlemcen.

2/ Brisbane, Melbourne, Perth, Sydney.

3/ Catering.

4/ Antwerpen, Brussels, Charleroi, Liège, Ostend.

5/ Cochabamba, La Paz, Santa Cruz.

6/ Francistown, Gaborone, Gizanz, Kasane, Maun, Selebi Phikwe.

7/ Manaus, Porto Alegre, Recife, Rio de Janeiro-Galeao, Salvador, Sao Paulo-Guarulhos.

8/ Bobo Dioulasso, Ouagadougou.

9/ Land.

10/ Douala, Garoua, Yaoundé.

11/ Hong Kong Special Administrative Region.

12/ Alajuela, San Jose-Juan Santamaria, Guanacaste.

13/ Guayaquil, Quito.

14/ Alexandria, Aswan, Hurghada, Luxor, Sharm el Sheikh.

15/ Parking, catering, cleaning, duty-free, shops.

16/ Bale/Mulhouse, Lyon. Marseille, Nice, Paris-Ch. De Gaulle, Paris-Le Bourget, Paris-Orly, Toulouse.

17/ Berlin, Bremen, Dresden, Dusseldorf, Erfurt, Frankfurt, Hamburg, Hannover, Cologne/Bonn, Leipzig/Halle, Munich, Munster/Osnabruck, Nuremberg, Saarbrücken, Stuttgart.

18/ Catering, fuel services.

19/ Athens, Chania, Corfu, Heraklion, Kos, Rhodes, Thessaloniki, Zakynthos.

20/ Cork, Dublin, Shannon.

21/ Kingston, Montego Bay.

22/ Shops.

23/ Osaka-Kansai, Tokyo-Narita.

24/ Airport run by government (CAA).

25/ Duty-free shops, catering, fuel, parking.

26/ Kaunas, Palanga, Siauliai, Vilnius.

- 27/ Acapulco, Cancun, Guadalajara, Mazatlan, Merida, Mexico City, Monterrey, Puerto Vallarta, San Jose del Cabo.
- 28/ Agadir, Al Hoceima, Casablanca-Mohamed V, Fez, Marrakesh, Ouarzazate, Oujda, Rabat.
- 29/ Katima Mulilo, Keetmanshop, Luderitz, Ondangwa, Rurdu, Walvis Bay, Windhoek (2 airports).
- 30/ Amsterdam, Eindhoven, Rotterdam.
- 31/ Auckland, Christchurch, Dunedin, Queenstown, Wellington.
- 32/ No private interests.
- 33/ Duty-free, restaurants, bars, commercial areas.
- 34/ Rostov-na-Donu, St Petersburg.
- 35/ Jeddah, Riyadh.
- 36/ Bratislava, Kosice, Poprad, Sliat, Piestany.
- 37/ Bloemfontein, Cape Town, Durban, East London, George, Johannesburg, Kimberley, Port Elizabeth, Upington.
- 38/ Gothenburg, Malmo, Stockholm-Arlanda
- 39/ Bale/Mulhouse, Geneva, Zurich.
- 40/ Dushanbe, Khudzhand, Kurgan Tyube, Kulyab.
- 41/ Ohrid, Skopje.
- 42/ Djerba, Gafsa, Monastir, Sfax, Tabarka, Tozeur, Tunis.
- 43/ Duty-free shops.
- 44/ Aviation fuel and oil.
- 45/ Dniepropetrovsk, Donetsk, Kyiv-Borispol, Lvov, Odessa, Simferopol.
- 46/ Aberdeen, Belfast, Birmingham, Bristol, Cardiff, East Midlands, Edinburgh, Glasgow, London City, London-Gatwick, London-Heathrow, London-Stansted, Manchester, Newcastle.
- 47/ Dar es Salaam, Kilimanjaro.
- 48/ Atlanta, Chicago, Dallas, Los Angeles, New York-JF Kennedy, San Francisco.
- 49/ Hanoi, Ho Chi Minh City.
- 50/ Bulawayo, Buffalo Range, Charles Pr., Harare, Hwange, Kariba, Masvingo, Victoria Falls.

APPENDIX I

OWNERSHIP AND OPERATION OF AIR NAVIGATION SERVICES
(Breakdown of Appendix C by responding States in alphabetical order)

[illegible]

State	Ownership and Operation												Charges Collection	
	Govt owned autonomous entity		Directorate of Civil Aviation		Ministry or other govt department		International operating agency		Privately owned entity		Other		Collects itself	Collected by another body/agency
	Cur.	Plan.	Cur.	Plan.	Cur.	Plan.	Cur.	Plan.	Cur.	Plan.	Cur.	Plan.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Gambia			x	x									x	
Georgia			x											2/
Germany	x												x	1/
Ghana			x										x	
Greece	x													1/
Grenada	x						x						x	6/
Iceland			x											7/
Iran (Islamic Rep. of)		x	x										x	
Ireland	x												x	1/
Jamaica			x										x	2/
Jordan			x										x	
Kenya		x	x										x	
Kuwait		x	x										x	
Lebanon			x										x	
Lithuania			x		x	x				x			x	1/
Maldives	x		x										x	
Malta	x													1/
Mauritius			x										x	
Mexico					x	x							x	
Morocco	x												x	
Namibia		x	x		x									
Netherlands	x													1/
New Zealand	x												x	
Norway	x	x												1/
Oman					x									2/
Pakistan	x												x	
Poland		x									8/		x	
Portugal	x													1/
Qatar											9/			9/

[illegible]

State	Ownership and Operation												Charges Collection	
	Govt owned autonomous entity		Directorate of Civil Aviation		Ministry or other govt department		International operating agency		Privately owned entity		Other		Collects itself	Collected by another body/agency
	Cur.	Plan.	Cur.	Plan.	Cur.	Plan.	Cur.	Plan.	Cur.	Plan.	Cur.	Plan.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
United States					x							15/		
Uzbekistan			x			x							x	1/
Viet Nam			x	x									x	
Zimbabwe	x												x	

Cur. Current situation

Plan. Planned for the future

Notes to Appendix I

1/ EUROCONTROL.

2/ IATA.

3/ ASECNA.

4/ Hong Kong Special Administrative Region.

5/ Collected by LGS (Latvian agency) regarding delegated area in the South-West part of the Tallinn FIR.

6/ PIRCO ACC (for flights above FL 210).

7/ NATS (United Kingdom).

8/ Airports State Enterprise.

9/ State of Bahrain.

10/ St Petersburg Area Center.

11/ For specific projects.

12/ South Africa.

13/ State enterprise.

14/ Public/private partnership.

15/ Transition planned to semi-autonomous performance-based organization.

APPENDIX J

PROVISION OF APPROACH AND AERODROME CONTROL SERVICES (Breakdown of Appendix D by responding States in alphabetical order)

State	Airport administration itself	Provider of ATS en route	Other
(1)	(2)	(3)	(4)
Algeria		x	
Australia		x	
Azerbaijan		x	
Bahrain	x		
Bangladesh	x		
Barbados	x		
Belgium		x	
Bolivia		x	
Botswana		x	
Brazil	x	x	
Brunei Darussalam	x	x	
Bulgaria		x	
Burkina Faso		x	
Canada		x	
China (Hong Kong SAR) 1/		x	
Costa Rica			2/
Czech Republic		x	
Ecuador		x	
Egypt	x	x	
Eritrea	x		
Estonia	3/	x	
Finland	x		
France		x	
Gambia	x		
Georgia		x	
Germany		x	

State	Airport administration itself	Provider of ATS en route	Other
(1)	(2)	(3)	(4)
Ghana		x	
Greece		x	
Grenada	x		
Iceland	4/	4/	
Iran (Islamic Republic of)		x	
Ireland		x	
Jamaica		x	
Jordan		x	
Kenya		x	
Kuwait			2/
Lebanon		x	
Lithuania		x	
Maldives	x		
Malta	x		
Mauritius			2/
Mexico		x	
Morocco	x		
Namibia		x	
Netherlands		x	
New Zealand		x	
Norway	x		
Oman	x		
Pakistan	x		
Poland		x	
Portugal		x	
Qatar			2/
Republic of Moldova		x	
Romania		x	
Russian Fed.	x		

St Vincent and the Grenadines	x		
State	Airport administration itself	Provider of ATS en route	Other
(1)	(2)	(3)	(4)
Sao Tome and Principe	x		
Saudi Arabia	x		
Senegal		x	
Singapore	x		
Slovakia		x	
South Africa		x	
Spain		x	
Sri Lanka	x		
Swaziland	x		
Sweden		x	
Switzerland		x	
Tajikistan		x	
Thailand		x	
The Former Yugoslav Republic of Macedonia		x	
Tunisia	4/	4/	
Turkey		x	
Turkmenistan	x	x	
Uganda		x	
Ukraine		x	
United Kingdom	x	x	5/
United Republic of Tanzania	6/	7/	
United States		x	
Uzbekistan		x	
Viet Nam		x	
Zimbabwe			2/

Notes to Appendix J

1/ Hong Kong Special Administrative Region.

2/ Provided by Directorate of Civil Aviation.

3/ Provided by airport administration at domestic airports.

4/ Provided by the same organization.

5/ These services are provided by airports, ATS service providers and other organizations.

6/ For one international airport.

7/ For the other airports.

APPENDIX K

PROVISION OF OTHER AIR NAVIGATION SERVICES BY THE ATS PROVIDER
(Breakdown of Appendix E by responding States in alphabetical order)

State	COM	MET	SAR	AIS
(1)	(2)	(3)	(4)	(5)
Algeria	x		x	x
Australia	x			x
Azerbaijan	x	x	x	x
Bahrain	x	x	x	x
Bangladesh	x		x	x
Barbados	x	x	x	x
Belgium	x		x	x
Bolivia	x	x	x	x
Botswana	x		x	x
Brazil	x	x	x	x
Brunei Darussalam			x	x
Bulgaria	x	x		x
Burkina Faso	x	x	x	x
Canada	x	x		x
China (Hong Kong SAR) 1/	x		x	x
Costa Rica	2/	2/	2/	2/
Czech Republic	x		x	x
Ecuador	x	x	x	x
Egypt	x			x
Eritrea	x	x		x
Estonia	x			x
Finland	x	x	x	x
France	x		x	x
Gambia	x		x	x

State	COM	MET	SAR	AIS
(1)	(2)	(3)	(4)	(5)
Georgia	x			x
Germany	x			x
Ghana	x		x	x
Greece	x			x
Grenada	x			
Iceland			x	x
Iran (Islamic Republic of)	x		x	x
Ireland	x			x
Jamaica	x	x	x	x
Jordan	x		x	x
Kenya	x		x	x
Kuwait	x	x	x	x
Lebanon	x	x	x	x
Lithuania	x			x
Maldives	x		x	x
Malta	x	x		x
Mauritius	x		3/	x
Mexico	x	x		x
Morocco	x			x
Namibia	x	x	x	x
Netherlands	x			x
New Zealand	x	x	x	x
Norway	x			x
Oman	x	x	x	x
Pakistan	x		x	x
Poland	x	x		x
Portugal	x			x
Qatar	x	x	x	x
Republic of Moldova	x	x		x

State	COM	MET	SAR	AIS
(1)	(2)	(3)	(4)	(5)
Romania	x	x		
Russian Fed.	x		x	x
St Vincent and the Grenadines	x			
Sao Tome and Principe	x		x	x
Saudi Arabia	x		x	x
Senegal	x	x		x
Singapore	x		x	x
Slovakia	x		x	x
South Africa	x		x	x
Spain	x			x
Sri Lanka	x		x	x
Swaziland	x	x	x	x
Sweden	x	x	x	x
Switzerland	x			x
Tajikistan	x	x	x	x
Thailand	x			x
The Former Yugoslav Republic of Macedonia	x	x	x	x
Tunisia	x		x	x
Turkey			x	x
Turkmenistan	x		x	x
Uganda	x		x	x
Ukraine	x			x
United Kingdom	x			x
United Republic of Tanzania	x		x	x
United States	x	x	4/	x
Uzbekistan	x			x
Viet Nam	x		x	x
Zimbabwe	x		x	x

COM Aeronautical telecommunications services
MET Meteorological services
SAR Search and rescue services

AIS Aeronautical information services

Notes to Appendix K

1/ Hong Kong Special Administrative Region.

2/ None of these services is provided by the ATS provider.

3/ In collaboration with the National Coast Guard and other government agencies.

4/ Some support is provided by the Federal Aviation Administration (FAA) to state and local governments that are responsible for SAR services. The US Coast Guard provides SAR within US territorial waters.

— END —