



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

RECONNECTING **THE** WORLD

ICAO Statistics Programme

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ICAO Statistics Programme

- Background
- The statistics programme: an essential tool for ICAO's activities
- Assistance to Member States

Air transport Reporting Forms

- Form A, AS Traffic — Commercial Air Carriers
- Form B, On-flight Origin and Destination
- Form C, Traffic by Flight Stage
- Form D, Fleet and Personnel — Commercial Air Carriers
- Form EF, Financial Data - Commercial Air Carriers
- Cost and revenue questionnaires

ICAO Statistics Programme

Background



- The need for complete and reliable aviation statistics was foreseen by the framers of the Convention on International Civil Aviation and the obligation to file statistical information with ICAO is set out in **Article 67**:

“Each contracting State undertakes that its international airlines shall, in accordance with requirements laid down by the Council, file with the Council traffic reports, cost statistics and financial statements showing among other things all receipts and the sources thereof”.

- Articles 54 and 55, which outline the functions of the Council of ICAO, also make several references to the collection and dissemination of information
- Economic and Statistical Committee for the task of preparing statistical reporting forms. The Committee duly prepared reporting forms covering traffic, origin and destination, fleet, personnel and financial statistics and these forms were introduced in 1946.
- Article XIII of the agreement signed between ICAO and the UN in 1948 recognizes ICAO:

“... as the central agency responsible for the collection, analysis, publication, standardisation, improvement and dissemination of statistics within its special sphere...”.

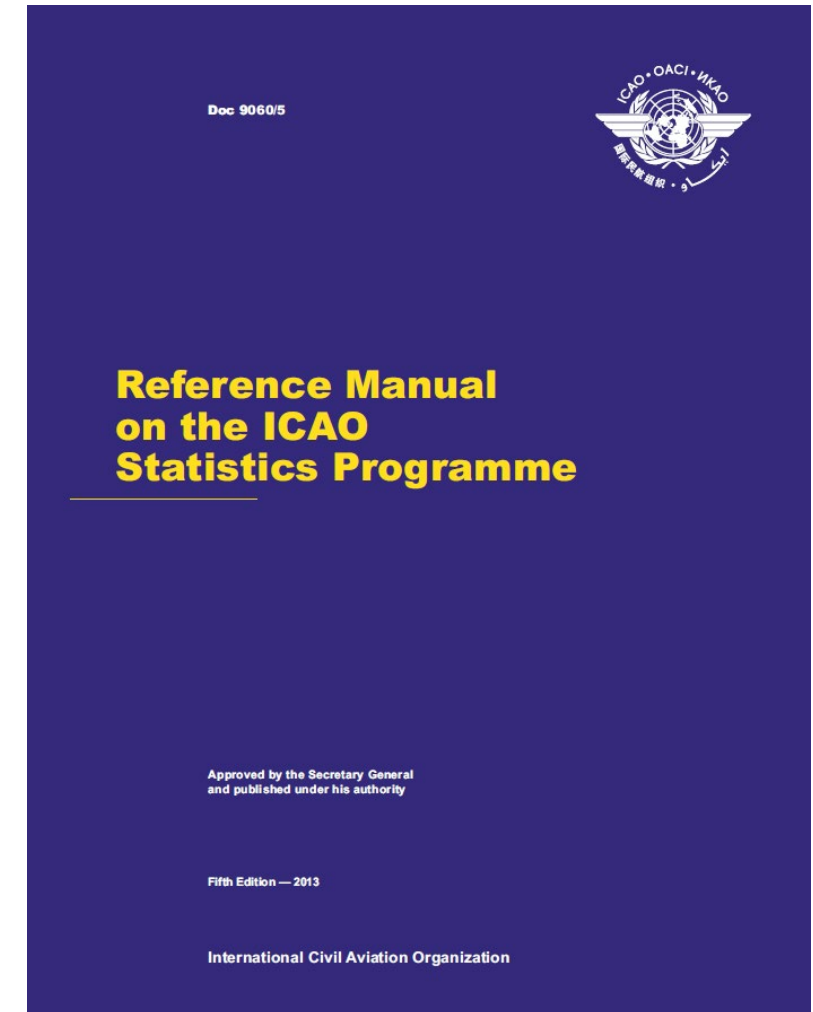
ICAO Statistics Programme

Doc 9060 Reference Manual on the ICAO Statistics Programme

Provides adequate guidance and standards to those officials of governments, airlines and airports who are engaged in the preparation of statistical data to be sent to ICAO.

Is designed to serve as:

- a general introduction to civil aviation statistics;
- a guide to the reporting requirements of ICAO, and how they should be met by ICAO Member States;
- a reference for persons directly responsible for civil aviation statistics, especially those who compile reports for the ICAO Statistics Programme; and
- a central information source for those using civil aviation statistics who wish to know about the content and availability of the ICAO worldwide statistical series.



ICAO Statistics Programme

Principles governing international statistical activities (UNO)

High quality Statistics and accessible for all

Impartial & strictly based on highest professional standards

Public informed about mandate for Statistics work

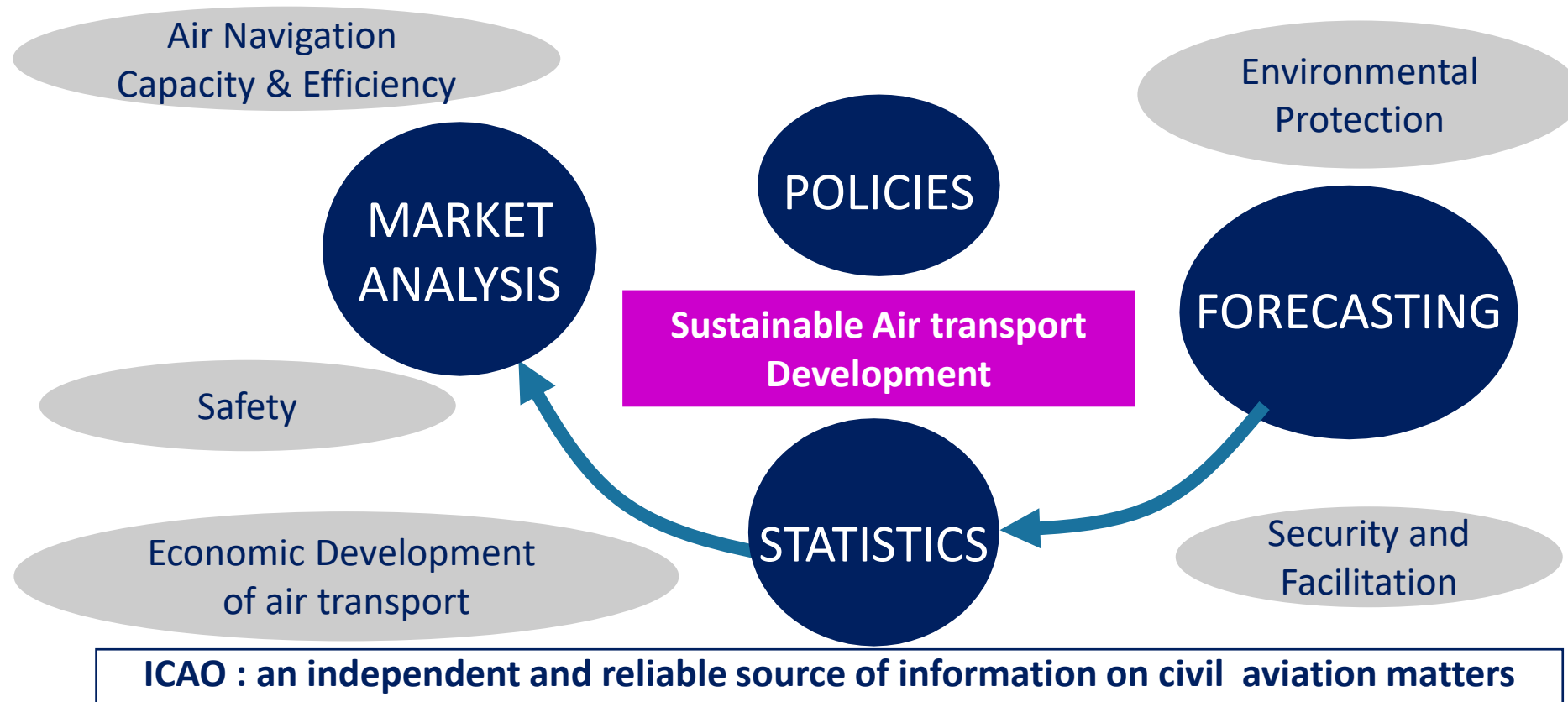
Concepts, definitions, classifications, sources, methods and procedures, transparent for users

Use of appropriate and cost-effective sources & methods for data collection

Confidentiality rules strictly kept and data used for Statistical purposes only

The statistics programme: an essential tool for ICAO's activities

- Economic analysis activities, forecasting and environmental protection.



The statistics programme: an essential tool for ICAO's activities

- Why do we need statistics?

Monitor ICAO Strategic Objectives

- Air travel safety rates
- The environmental impact on air transport (fuel efficiency)
- The sustainable air transport development (traffic growth, financial situation, etc..)

Analyze the air transport market

Assess the impact of new regulations

Forecasting

Plan the development of airport and ANS facilities

Negotiate bilateral agreements

Implement future strategies

The statistics programme: an essential tool for ICAO's activities

- Why is so important to have reported data?

Based on reported data:

**- Appendix
tables for the
Annual Report
of the Council**

**Calculate the
individual
financial
contribution of
States to ICAO**

**Calculate the
SADIS**

The statistics programme: an essential tool for ICAO's activities

Assistance to Member States

Statistical workshops are conducted by ICAO in the regions of the world, and they constitute a continuous, systematic effort to improve the quality of aviation statistics submitted to ICAO.

These informal workshops, usually held once per year, and or requested by the Member State, provide those responsible in administrations, airlines and airports for the preparation of statistics for ICAO, an opportunity to work out solutions to practical problems through pooling of experience and ideas.



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Air transport reporting Forms (ATRs)

<i>Subject category</i>	<i>ATR</i>	<i>Periodicity</i>	<i>For whom</i>	<i>What</i>	<i>When (due date)²</i>
Commercial air carriers					
Commercial air carrier traffic	A	Monthly	Individual commercial air carriers	Measures aircraft operations and passenger, freight and mail traffic by type and nature of service	One month, but no later than 2
	A-S	Annual	Total for all commercial air carriers of a State		6 months
On flight Origin and Destination	B	Quarterly	Individual commercial air carriers	Passenger, freight and mail carried between international city-pairs on scheduled or non-scheduled services	2 months
Traffic by Flight Stage	C	Annual	Individual commercial air carriers	Traffic (passenger, freight and mail) on-board each aircraft between a take-off and the next landing when performing international scheduled services	2 months
Fleet and Personnel	D	Annual	Individual commercial air carriers	Part I: Number, capacity and utilization of aircraft by type	4 months
		Annual (calendar or fiscal)		Part II: Number and expenditure for personnel by category	4 months
Financial data	EF	Annual (calendar or fiscal)	Individual commercial air carriers	Profit and loss, balance sheet, retained earnings and summary of traffic and capacity	Preliminary: 4 months Final: 6 months

<https://www.icao.int/sustainability/Pages/eap-sta-excel.aspx>

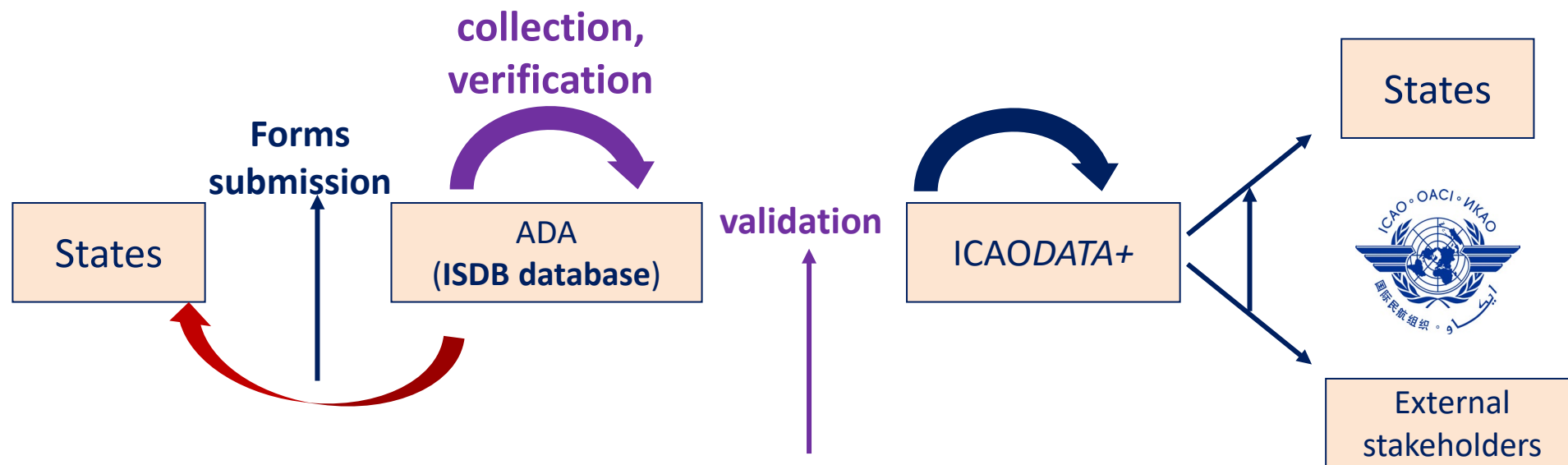
Electronic filing

- Electronic submission should be to:
StatisticInboxBackup@icao.int
- The filling instructions and excel templates may be found at the following ICAO website:
<http://www.icao.int/staforms> available at the six official ICAO languages.

***** please avoid to submit the ATRs in pdf formating and filling by hand.***



Statistics Collection and Dissemination



Air transport reporting Forms (ATRs)

Form A, AS Traffic — Commercial Air Carriers

		TOTAL ALL SERVICES (passenger, mail and freight including all-freight)		ALL-FREIGHT SERVICES ONLY (included in columns c and d data)				TOTAL ALL SERVICES (passenger, mail and freight including all-freight)		ALL-FREIGHT SERVICES ONLY (included in columns c and d data)	
		Classified by flight stage		Classified by flight stage				Classified by flight stage		Classified by flight stage	
Description	Unit	International	Domestic	International	Domestic	Description	Unit	International	Domestic	International	Domestic
a	b	c	d	e	f	a	b	c	d	e	f
SCHEDULED REVENUE FLIGHTS						NON-SCHEDULED REVENUE FLIGHTS					
1. Aircraft kilometres	000					12. Aircraft kilometres	000				
2. Aircraft departures	number					13. Aircraft departures	number				
3. Aircraft hours	number					14. Aircraft hours	number				
4. Passengers carried	number					15. Passengers carried	number				
5. Freight tonnes carried	number					16. Freight tonnes carried	number				
6. Passenger-kilometres performed	000					17. Passenger-kilometres performed	000				
7. Seat-kilometres available	000					18. Seat-kilometres available	000				
8. Passenger load factor	%					19. Tonne-kilometres available	000				
9. Tonne-kilometres performed						a) passenger (incl. baggage)	000				
a) passenger (incl. baggage)	000					b) freight (incl. express)	000				
b) freight (incl. express)	000					c) mail	000				
c) mail	000					d) total (19a + 19c)	000				
d) total (9a to 9c)	000					20. Tonne-kilometres available	000				
10. Tonne-kilometres available	000					NON REVENUE FLIGHTS					
11. Weight load factor	%					21. Aircraft hours	number				

- Form B, On-flight Origin and Destination

* This column is only to be used by States submitting combined reports for more than one air carrier (see the reporting instructions)

- Form C, Traffic by Flight Stage

INTERNATIONAL CIVIL AVIATION ORGANIZATION
AIR TRANSPORT REPORTING FORM
TRAFFIC BY FLIGHT STAGE (TFS)
 Scheduled Services (Revenue) - International Operations

Contact person: _____
Organization: _____
Tel: _____
Fax: _____
E-mail: _____

State: _____
Airline: _____
Year: _____

[illegible]

Air transport reporting Forms (ATRs)

- Form D, Fleet and Personnel — Commercial Air Carriers, Part I

Aircraft in Fleet by Type		Number of Aircraft of each Type				Size of Aircraft		
Manufacturer and Model	Use/Version code ¹	At the beginning of the year	Changes during the year		At the end of the year	Number of Installed Passenger Seats	Average payload capacity (tonnes)	Average MCTOM (tonnes)
			Acquired	Disposed of				
a	b	c	d	e	f	g	h	i

Utilization of aircraft during the year									
Number of aircraft departures			Aircraft hours flown			Aircraft kilometres flown			Total aircraft days available
Revenue flights		All flights (total)	Revenue flights		All flights (total)	Revenue flights		All flights (total)	
Scheduled	Non-Scheduled		Scheduled	Non-Scheduled		Scheduled	Non-Scheduled		
j	k	l	m	n	o	p	q	r	s

Air transport reporting Forms (ATRs)

- Form D, Fleet and Personnel — Commercial Air Carriers, Part II

Category of personnel ²	Number of personnel		Total annual expenditures for each category
	Mid-year	Year-end	Currency: _____
a	b	c	d
Pilots and co-pilots			
Other flight crew			
Cabin crew			
Maintenance and overhaul personnel			
a) Licensed aircraft maintenance engineers			
b) Other maintenance and overhaul personnel			
Ticketing and sales personnel			
All other personnel			
TOTAL			

Air transport reporting Forms (ATRs)

- Form EF, Financial Data - Commercial Air Carriers

PART 1 — PROFIT AND LOSS STATEMENT

	DESCRIPTION	AMOUNTS	
		SUB-ACCOUNTS	MAIN ACCOUNTS AND RESULTS
OPERATING REVENUE	1. Scheduled services (total)		
	1.1 Passenger		
	1.2 Excess baggage		
	1.3 Freight (including express and diplomatic bags)		
	1.4 Mail		
	2. Non-scheduled operations (total)		
	2.1 Passenger and excess baggage		
	2.2 Freight (including express and diplomatic bags) and mail		
	3. Other operating revenues (total)		

PART 2 — BALANCE SHEET

	DESCRIPTION	AMOUNTS	
		SUB-ACCOUNTS	MAIN ACCOUNTS AND RESULTS
	1. Current assets (total)		
	1.1 Cash, bank balances, and short-term investments		
	1.2 Current accounts and notes receivable		
	1.3 Other current assets		
	2. Special funds (total)		
	2.1 Investments in affiliated companies		
	2.2 Equipment purchase funds		
	2.3 Other special funds		
	3. Operating property and equipment (total)		
	3.1 Flight equipment — owned		
	3.1.1 Less — flight equipment — reserve for depreciation		
	3.2 Ground property and equipment — owned		

PART 3 — STATEMENT OF RETAINED EARNINGS

	DESCRIPTION	AMOUNTS	
		SUB-ACCOUNTS	MAIN ACCOUNTS AND RESULTS
1.	Net balance of unappropriated retained earnings for previous years, as shown under item 5 of last year's statement of retained earnings.		
2.	Profit (or loss) after extraordinary items for this year (Item 26 of Part 1)		

PART 4 — REVENUE TRAFFIC AND CAPACITY STATISTICS

DESCRIPTION	UNIT	TOTAL ALL SERVICES		
		SCHEDULED FLIGHTS #	NON-SCHEDULED FLIGHTS #	OVERALL TOTALS #
1. Passenger-kilometres performed	000			
2. Seat-kilometres available	000			
3. Revenue tonne-kilometres performed				
3.1 Passenger (including baggage)	000			
3.2 Freight (including express)	000			
3.3 Mail	000			
3.4 Total (sum of items 3.1, 3.2 and 3.3)	000			
4. Tonne-kilometres available	000			
REMARKS for Part 4 (including a description of any unavoidable deviation(s) from the reporting instructions or differences from the data reported on Form A — Traffic — Commercial Air Carriers):				

vious years

(i) from the reporting instructions)

10.2 Capital surplus

10.3 Retained earnings (equal to Item 5 of Part 3)

11. TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY (sum of items 7 through 10, and equal to Item 6 above)

State Letter

Study on international airline operating economics



International
Civil Aviation
Organization

Organisation
de l'aviation civile
internationale

Organización
de Aviación Civil
Internacional

Международная
организация
гражданской
авиации

منظمة الطيران
المعدي الدولي

国际民用
航空组织

Tel.: +1 (514) 954-8219 ext. 6315

Ref.: EC 2/20.3.2-23/89

28 December 2023

Subject: Study on international airline operating economics

Action required: Reply with the completed attached questionnaires by 31 March 2024


Sir/Madam,

I have the honour to refer to Assembly Resolution A41-27, Appendix D, pursuant to which the Secretariat is required to conduct a periodic study on regional differences in international airline operating economics. This study continues to provide a unique source of data, which is regularly used for various essential tasks such as analysis of airline operating economics, evaluation of the impact of regulatory change, and environmental planning. The results of this study are also used by the Prorate Agency to prorate passenger revenues from interline journeys.

The next study in the series will cover the calendar year 2022. Member States are requested to provide data pertaining to air carrier traffic, revenues and operating costs using the format specified in the attached two questionnaires (Attachments A and B); information relating to the data sought in the questionnaires appears in Attachment C. The questionnaires are also available online at <http://www.icao.int/sustainability/Pages/eap-fp-rev-cost-questionnaires.aspx>. Please note that information provided in response to these questionnaires will be treated as confidential and will not be made public in such a way as to permit identification of individual carriers.

It would be appreciated if your reply could be provided by 31 March 2024 by email to eca@icao.int, by fax to +1 514 954 6077, or by mail to ICAO.

Accept, Sir/Madam, the assurances of my highest consideration.

for 
Juan Carlos Salazar
Secretary General

Enclosures:

- A — Questionnaire on costs
- B — Questionnaire on revenues
- C — Information relating to the data sought

Air transport reporting Forms (ATRs)

- Revenue questionnaire

ATTACHMENT B to State letter EC 2/20.3.2-12/58
QUESTIONNAIRE ON REVENUES OF INTERNATIONAL SCHEDULED AND NON-SCHEDULED AIR CARRIERS
(Reporting guidelines on page B-2 and route group descriptions on page B-4)

Carrier name: Calendar period: 12 months from Reporting currency (U.S.\$ or national): Exchange rates between national currency and U.S. dollar during period: 1 U.S.\$ =	ALL Total Services (DOMESTIC plus INTERNATIONAL)	Total DOMESTIC Services	Total INTERNATIONAL Services (Total for route groups 1 to 17)	INTERNATIONAL SERVICES BY ROUTE GROUP						
				1	2	3	4	5	6	7
				Between North America and Central America/ Caribbean (NC)	Between and within Central America and the Caribbean (LC)	Between Bermuda, Canada, Mexico and the United States (LNM)	Between North America, Central America/Caribbean and South America (NCS)	Local South America (LS)	Local Europe (LE)	Local Middle East (LM)
SECTION I – Scheduled services										
I.1 Revenue										
a) Passenger traffic (including excess baggage)										
b) Freight traffic										
c) Mail traffic										
d) Other										
I.2 Corresponding volume of traffic and capacity										
a) Passenger-kilometres (millions)										
b) Seat-kilometres (millions)										
c) Freight tonne-kilometres performed (millions)										
d) Mail tonne-kilometres performed (thousands)										
e) Available tonne-kilometres (millions)										
I.3 All-cargo services only (included in I.1 and I.2 above)										
a) Revenue (total)										
b) Tonne-kilometres performed (millions)										
SECTION II – Non-scheduled operations										
II.1 Revenue										
a) Passenger traffic										
b) Freight traffic										
II.2 Corresponding volume of traffic and capacity										

Air transport reporting Forms (ATRs)

- Cost questionnaires

Carrier name:		Calendar period: 12 months from to:									
Reporting currency (U.S.\$ or national)		TOTAL AMOUNTS FOR CALENDAR PERIOD									
Exchange rate between national currency and U.S. \$ during period: 1 U.S.\$ =											
SECTION I – Expenses by aircraft type and operating data by aircraft type and by route group¹ Check boxes if cost data in this Section include: Domestic <input type="checkbox"/> Non-Scheduled <input type="checkbox"/> I.1 Flight operations expenses, <i>excluding fuel and oil costs</i> I.2 Maintenance and overhaul expenses I.3 Depreciation and amortization costs I.4 Block hours (use additional sheets as required) a) operated on international services By route group (Please specify, e.g. 11 NA) RG RG RG RG RG b) operated on international non-scheduled services By route group (Please specify, e.g. 11 NA) RG RG RG RG RG c) operated on domestic services d) all services (a + b + c) Total Total		AIRCRAFT TYPE (please specify)									
SECTION II – Operating expenses by geographical area or route group¹ Check box if data in this Section include: Non-scheduled <input type="checkbox"/> (Please specify e.g. 11 NA) II.1 Aircraft fuel and oil II.2 Landing and associated airport charges II.3 Air navigation charges II.4 Station expenses		AREA OR ROUTE GROUP		North America	Central America/ Caribbean	South America	Europe	Middle East	Africa	Asia/Pacific	Domestic Services
SECTION III – Other operating expenses Check box if data in this Section include: Non-scheduled <input type="checkbox"/> III.1 Passenger services (including cabin crew salaries and expenses) III.2 Commission payments III.3 Other ticketing, sales and promotion III.4 General and administrative III.5 Miscellaneous operating expenses		All international route groups or areas Domestic services		Name and title of person completing questionnaire: Telephone no.: Fax no.: Email: Remarks: (include description of any deviations from the reporting guidelines and geographical descriptions on page A-2)							
SECTION IV – Balance of non-operating items IV.1 Total (international and domestic services) (Note: + = revenue, – = expenses)				Note 1. Route group descriptions are on page B-4 of questionnaire on revenues. Route groups specified should be the same as those for which data are entered in the revenue questionnaire.							
TOTAL – SECTIONS I to IV											



Thank You