



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

RECONNECTING **THE** WORLD

Aviation Statistics Workshop

ICAO Statistics Programme Session 7



Relationship between the ATRs

Relationship between the ATRs

Form B + Form C = Form A

Relationship between Forms B and A

Form B (OFOD)		Form A
By city-pair:		Total:
Passenger numbers (Pn)	\sum (Pn of Form B) =	Passengers carried
Freight (tonnes) (F)	\sum (F of Form B) =	Freight carried
Mail (tonnes)		

Relationship between Forms C and A

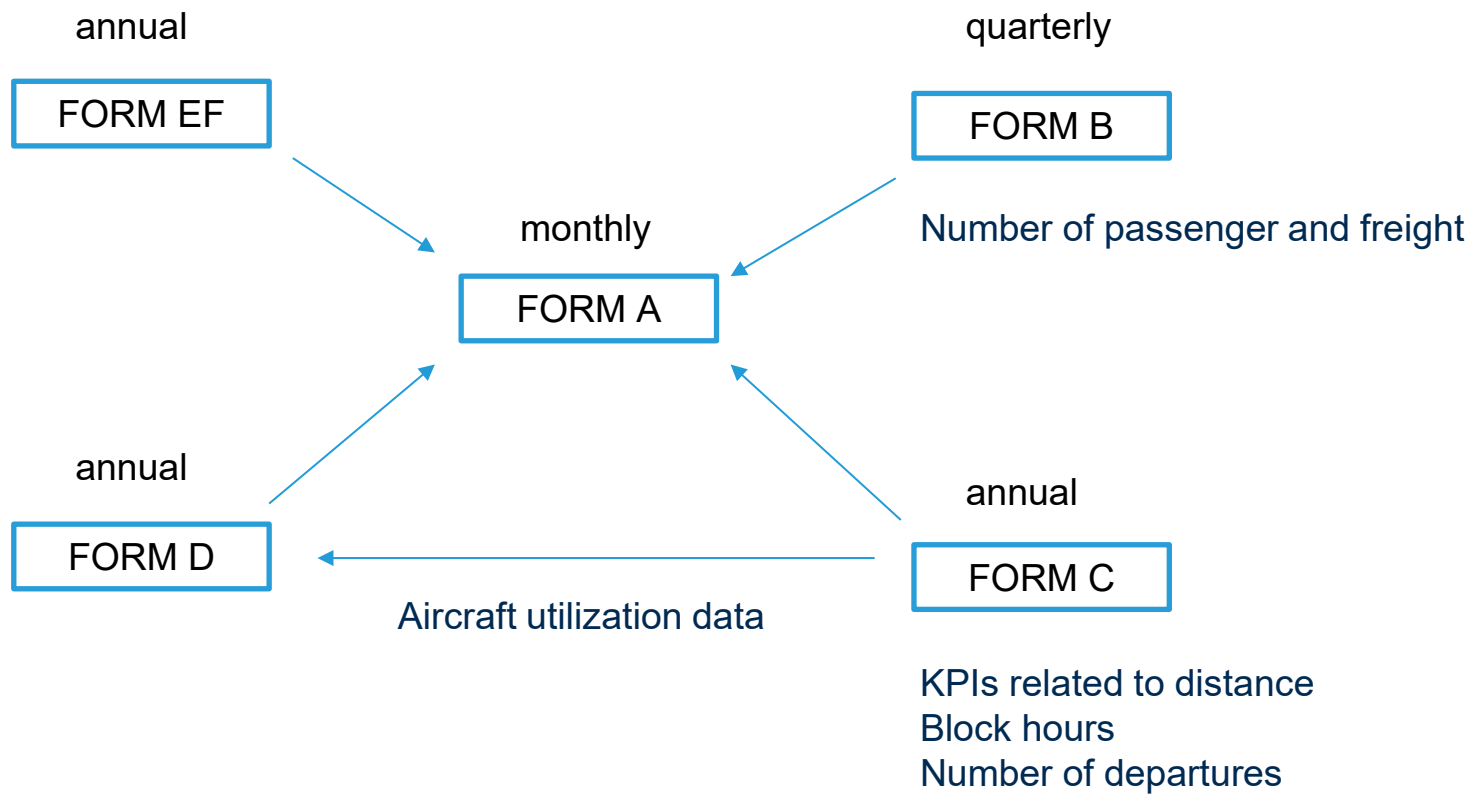
Form C (TFS)		Form A
By station pair:		Total:
	Calculated distance (km) by station pairs	
Number of flights by aircraft type (D)	\sum (D x km of Form C) =	Aircraft kilometres
	\sum (D of Form C) =	Number of departures
Passenger seats (S)	\sum (S x km of Form C) =	Seat-km available
Payload (Pd)	\sum (Pd x km of Form C) =	Tonne-km available
Passenger numbers (Pn)	\sum (Pn x km of Form C) =	Passenger-km performed
Freight (tonnes) (F)	\sum (F x km of Form C) =	Freight tonne-km performed
Mail (tonnes) (M)	\sum (M x km of Form C) =	Mail tonne-km performed



Relationship between the ATRs

Form B + Form C = Form A

ICAO code	Description a	Unit b	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	
			International c	Domestic d	International e	Domestic f
SCHEDULED REVENUE FLIGHTS						
1010	1. Aircraft kilometres	000				
1020	2. Aircraft departures	number				
1030	3. Aircraft hours	number				
1040	4. Passengers carried	number			--	--
1050	5. Freight tonnes carried	number				
1060	6. Passenger-kilometres performed	000			--	--
1070	7. Seat-kilometres available	000			--	--
1080	8. Passenger load factor	%			--	--
1091	9. Tonne-kilometres performed a) passengers (incl. baggage)	000			--	--
1092	b) freight (incl. express)	000				
1093	c) mail	000				
1094	d) total (9a to 9c)	000				
1100	10. Tonne-kilometres available	000				
1110	11. Weight load factor	%				



Example of fully reporting – Form B + Form C= Form A

INTERNATIONAL CIVIL AVIATION ORGANIZATION
AIR TRANSPORT REPORTING FORM
TRAFFIC - COMMERCIAL AIR CARRIERS

person: Kyungtaek Shin **State:** Republic of Korea
Organization: Corporate Strategy & Planning Division **Air carrier:** Korean Air
Tel: 82-2-2656-6991
Fax: 82-2-2656-8006 **Month (s) :** 12
E-mail: kshin@koreanair.com **Year:** 2022

ICAO code	Description	Unit	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	
			International	Domestic	International	Domestic
	a	b	c	d	e	f
SCHEDULED REVENUE FLIGHTS						
1010	1. Aircraft kilometres	000	26,450	1,183	6,941	-
1020	2. Aircraft departures	number	5,758	3,074	1,658	-
1030	3. Aircraft hours	number	37,661	3,524	10,199	-
1040	4. Passengers carried	number	792,240	452,241		
1050	5. Freight tonnes carried	number	117,505	3,501	88,834	-
1060	6. Passenger-kilometres performed	000	4,238,601	178,070		
1070	7. Seat-kilometres available	000	5,267,153	207,406		
1080	8. Passenger load factor	%	81%	86%		
1091	9. Tonne-kilometres performed					
	a) passengers (incl. baggage)	000	381,474	16,026		
1092	b) freight (incl. express)	000	697,065	1,520	549,681	-
1093	c) mail	000	7,402	-	1,061	-
1094	d) total (9a to 9c)	000	1,085,942	17,547	550,742	-
1100	10. Tonne-kilometres available	000	1,404,411	21,374	671,841	-
1110	11. Weight load factor	%	77%	82%	82%	0%
NON-SCHEDULED REVENUE FLIGHTS						
2010	12. Aircraft kilometres	000	255	-	183	-
2020	13. Aircraft departures	number	102	-	80	-
2030	14. Aircraft hours	number	423	-	308	-
2040	15. Passengers carried	number	3,583	-		
2050	16. Freight tonnes carried	number	4,799	-	4,799	-
2060	17. Passenger-kilometres performed	000	13,612	-		
2070	18. Seat-kilometres available	000	18,530	-		
2091	19. Tonne-kilometres performed					
	a) passengers (incl. baggage)	000	1,225	-		
2092	b) freight (incl. express)	000	9,985	-	9,985	-
2093	c) mail	000	135	-	135	-
2094	d) total (19a to 19c)	000	11,344	-	10,119	-
2100	20. Tonne-kilometres available	000	18,851	-	16,754	-
NON REVENUE FLIGHTS						
2330	21. Aircraft hours	number				

Remarks (including a description of any unavoidable deviation (s) from reporting instructions):



Example of transformation of Form C to Form A

- 1. Use form C and validate**
- 2. Transform form C into Form A**
- 3. Validate form A**
- 4. Get some conclusions**

Exercise of transformation of Form C to Form A

- 1. Use form C and validate**
- 2. Transform form C into Form A**
- 3. Validate form A**
- 4. Get some conclusions**



Thank You