

Filing ICAO Flight Plans

A Tutorial on Upcoming FAA Requirements

Howard Deevers, CFII
Carl Foster

かんたんネット総合リンクサイト
<http://kantan-net.main.jp/>

Antarctic Circle (66° 33'
Political World Map
copyright 2004 www.fabrizio-sentini.com

Background

- **The FAA has agreed to begin using the ICAO flight plan forms in place of the traditional FAA flight plan**
- **International Standard**
 - Like having “English Proficient” on your certificate

Information

- **The information is generally the same**
 - Different place
 - Different order
- **The aircraft information is the same for most flights in the same aircraft**
- **Once you file the first one, subsequent ones will be easy**

Current Flight Plan

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		(FAA USE ONLY) <input type="checkbox"/> PILOT BRIEFING <input type="checkbox"/> VNR		TIME STARTED		SPECIALIST INITIALS	
FLIGHT PLAN							
1. TYPE		2. AIRCRAFT IDENTIFICATION		3. AIRCRAFT TYPE/SPECIAL EQUIPMENT		4. TRUE AIRSPEED	
<input type="checkbox"/> VFR <input type="checkbox"/> IFR <input type="checkbox"/> DVFR						KTS	
5. DEPARTURE POINT				6. DEPARTURE TIME		7. CRUISING ALTITUDE	
				PROPOSED (Z) ACTUAL (Z)			
8. ROUTE OF FLIGHT							
9. DESTINATION (Name of airport and city)				10. EST. TIME ENROUTE		11. REMARKS	
				HOURS MINUTES			
12. FUEL ON BOARD		13. ALTERNATE AIRPORT(S)		14. PILOT'S NAME, ADDRESS & TELEPHONE NUMBER & AIRCRAFT HOME BASE			15. NUMBER ABOARD
HOURS	MINUTES			17. DESTINATION CONTACT/TELEPHONE (OPTIONAL)			
16. COLOR OF AIRCRAFT		CIVIL AIRCRAFT PILOTS, FAR 91 requires you file an IFR flight plan to operate under instrument flight rules in controlled airspace. Failure to file could result in a civil penalty not to exceed \$1,000 for each violation (Section 901 of the Federal Aviation Act of 1958, as amended). Filing of a VFR flight plan is recommended as a good operating practice. See also Part 99 for requirements concerning DVFR flight plans.					
FAA Form 7233-1 (8-82) CLOSE VFR FLIGHT PLAN WITH _____ FSS ON ARRIVAL							

ICAO Flight Plan



Form Approved OMB No. 2120-0020
09/30/2008

U.S. Department of Transportation
Federal Aviation Administration

International Flight Plan

1. PRIORITY <=FF		2. ADDRESSEE(S)	
3. FILING TIME		4. ORIGINATOR <=	
5. SPECIFIC IDENTIFICATION OF ADDRESSEE(S) AND/OR ORIGINATOR			
6. MESSAGE TYPE <=(FPL	7. AIRCRAFT IDENTIFICATION	8. FLIGHT RULES <input type="checkbox"/>	9. TYPE OF FLIGHT <=
10. NUMBER	11. TYPE OF AIRCRAFT	12. WAKE TURBULENCE CAT. <input type="checkbox"/>	13. EQUIPMENT <=
14. DEPARTURE AERODROME		15. TIME <=	
16. CRUISING SPEED	17. LEVEL	18. ROUTE	
19. DESTINATION AERODROME		20. TOTAL EET HR MIN	
21. ALTN AERODROME		22. 2ND ALTN AERODROME <=	
23. OTHER INFORMATION			
24. SUPPLEMENTARY INFORMATION (NOT TO BE TRANSMITTED IN FPL MESSAGES)			
25. ENDURANCE HR MIN	26. PERSONS ON BOARD	27. EMERGENCY RADIO UHF <input type="checkbox"/> VHF <input type="checkbox"/> ELBA <input type="checkbox"/>	
28. SURVIVAL EQUIPMENT POLAR <input type="checkbox"/> DESERT <input type="checkbox"/> MARITIME <input type="checkbox"/> JUNGLE <input type="checkbox"/>	29. JACKETS LIGHT <input type="checkbox"/> FLUORESC <input type="checkbox"/> UH <input type="checkbox"/> VHF <input type="checkbox"/>	30. DINGHIES NUMBER <input type="checkbox"/> CAPACITY <input type="checkbox"/> COVER <input type="checkbox"/> COLOR <input type="checkbox"/>	
31. AIRCRAFT COLOR AND MARKINGS D/ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <=		32. REMARKS A/ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <=	
33. PILOT-IN-COMMAND C/ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <=		34. FILED BY	
35. ACCEPTED BY		36. ADDITIONAL INFORMATION	

FAA Form 7233-4 (7-93)



General Instructions

- **General**

- **Use BLOCK CAPITALS when completing each item.**
- **Adhere closely to the prescribed formats and manner of specifying data.**
- **Begin inserting data in the first space provided.**
- **Where excess space is available, leave unused spaces blank.**
- **Insert all clock times in 4 figures UTC.**
- **Insert all estimated elapsed times in 4 figures (hours and minutes).**
- **Shaded area preceding Item 3 is to be completed by FAA unless the responsibility for originating flight plan messages has been delegated.**

- **NOTE**

– **The term "aerodrome" where used in the flight plan is intended to cover also sites other than aerodromes which may be used by certain types of aircraft; e.g., helicopters or balloons.**

Main Flight Plan

- **Complete Items 3 to 19**
 - Aircraft ID
 - Departure and arrival airports
 - Flight Rules (VFR / IFR)
 - Route
 - En route time
 - Cruising speed and altitude
 - Equipment
- **Complete Item 19 (Supplementary Information) when required or when otherwise deemed necessary.**
- **Item numbers on the form are not consecutive, as they correspond to Field Type numbers in ATS messages.**

- **Filled out by FAA**

Items 3 through 18

N = Knots

Number in Flight (usually 1)

V = VFR
I = IFR

G = General Aviation
I = IFR
Y = IFR First
Z = VFR First

3 MESSAGE TYPE

<<=(FPL

7 AIRCRAFT IDENTIFICATION

- N 4 2 2 0 R

8 FLIGHT RULES

- V

TYPE OF FLIGHT

G <<=

9 NUMBER

- 0 1

TYPE OF AIRCRAFT

P A 3 2

Altitude in 100 feet

WAKE TURBULENCE CAT.

/ L

10 EQUIPMENT

- S /C <<=

13 DEPARTURE AERODROME

- K R Y N

TIME

1 4 0 0

<<=

S = Standard

Departure Time in UTC

15 CRUISING SPEED

- N 0 1 3 0

LEVEL

A L

ROUTE

8 5

ALMON V66 GBN MOHAK BZA IPL PILLO

IFR to VFR Changeover Points go Here

<<=

16 DESTINATION AERODROME

- K M Y F

TOTAL EET

HR MIN

0 2 3 5

ALTN. AERODROME

2ND ALTN AERODROME

<<=

18 OTHER INFORMATION

)<<=

Old to New

- New Items
 - Wake Turbulence
 - Type of Flight

- Not In This Section
 - Endurance
 - Aircraft Color
 - Pilot Name
 - Persons on Board

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

FLIGHT PLAN

(FAA USE ONLY) ☐ PILOT BRIEFING ☐ VNR ☐ STOPOVER

TIME STARTED SPECIALIST INITIALS

1. TYPE VFR IFR DVR	2. AIRCRAFT IDENTIFICATION	3. AIRCRAFT TYPE/SPECIAL EQUIPMENT	4. TRUE AIRSPEED KTS	5. DEPARTURE POINT	6. DEPARTURE TIME PROPOSED (2) ACTUAL (2)	7. CRUISING ALTITUDE
8. ROUTE OF FLIGHT						
9. DESTINATION (Name of airport and city)		10. EST. TIME ENROUTE HOURS MINUTES		11. REMARKS		
12. FUEL ON BOARD HOURS MINUTES		13. ALTERNATE AIRPORT(S)		14. PILOT'S NAME, ADDRESS & TELEPHONE NUMBER & AIRCRAFT HOME BASE		15. NUMBER ABOARD
16. COLOR OF AIRCRAFT						
17. DESTINATION CONTACT/TELEPHONE (OPTIONAL)						

FAA Form 723-1 (2-82) CLOSE VFR FLIGHT PLAN WITH FSS ON ARRIVAL

3. MESSAGE TYPE <=<(FPL	4. AIRCRAFT IDENTIFICATION - N 4 2 2 0 R	8. FLIGHT RULES - V	9. TYPE OF FLIGHT G <=<
5. NUMBER - 0 1	6. TYPE OF AIRCRAFT A 3 2	7. WAKE TURBULENCE CAT. / L	10. EQUIPMENT - S /C <=<
13. DEPARTURE AERODROME - K R Y N	14. TIME 1 4 0 0 <=<		
15. CRUISING SPEED - N 0 1 3 0	16. LEVEL A L 8 5	ROUTE ALMON V66 GBN MOHAK BZA IPL PILLO	
16. DESTINATION AERODROME - K M Y F		17. TOTAL EET HR MIN 0 2 3 5	18. ALTN. AERODROME 2ND ALTN. AERODROME <=<
18. OTHER INFORMATION			
<=<			

Bottom Section Item 19

SUPPLEMENTARY INFORMATION (NOT TO BE TRANSMITTED IN FPL MESSAGES)

19										ENDURANCE										PERSONS ON BOARD										EMERGENCY RADIO																																																																																									
HR MIN																																																																																																																							
- E /										0 5 0 0										P /										0 0 2										R /										X										V										E																																																	
SURVIVAL EQUIPMENT																																																																																																																							
POLAR										DESERT										MARITIME										JUNGLE										JACKETS										LIGHT										FLUORES										UHF										VHF																																							
S /										X										D										M										X										→										J										/										X										X										X										V									
DINGHIES																																																																																																																							
NUMBER										CAPACITY										COVER										COLOR																																																																																									
D /										0 1 →										0 0 6 →										X →										YELLOW										<<≡																																																																					
AIRCRAFT COLOR AND MARKINGS																																																																																																																							
A /										WHITE AND BROWN																																																																																																													
REMARKS																																																																																																																							
N /																														<<≡																																																																																									
PILOT-IN-COMMAND																																																																																																																							
C /										CARL FOSTER) <<≡																																																																																									
FILED BY										ACCEPTED BY										ADDITIONAL INFORMATION																																																																																																			

Cross out what you do not have

Old to New Part 2

- New Items
 - Emergency Radio
 - Survival Equipment

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		(FAA USE ONLY) <input type="checkbox"/> PILOT BRIEFING <input type="checkbox"/> VNR		TIME STARTED	SPECIALIST INITIALS
FLIGHT PLAN					
1. TYPE VFR IFR DVR	2. AIRCRAFT IDENTIFICATION	3. AIRCRAFT TYPE/SPECIAL EQUIPMENT	4. TRUE AIRSPEED KTS	5. DEPARTURE POINT	6. DEPARTURE TIME PROPOSED (2) ACTUAL (2)
7. CRUISING ALTITUDE					
8. ROUTE OF FLIGHT					
9. DESTINATION (Name of airport and city)		10. EST. TIME ENROUTE HOURS MINUTES		11. REMARKS	
12. FUEL ON BOARD HOURS MINUTES		13. ALTERNATE AIRPORT(S)		14. PILOT'S NAME, ADDRESS & TELEPHONE NUMBER & AIRCRAFT HOME BASE	
				15. NUMBER ABOARD	
16. COLOR OF AIRCRAFT		17. DESTINATION CONTACT TELEPHONE (OPTIONAL)			
<small>CIVIL AIRCRAFT PILOTS, FAR 91 requires you file an IFR flight plan to operate under instrument flight rules in controlled airspace. Failure to file could result in a civil penalty not to exceed \$1,000 for each violation (Section 901 of the Federal Aviation Act of 1958, as amended). Filing of a VFR flight plan is recommended as a good operating practice. See also Part 92 for requirements concerning IFR flight plans.</small>					
FAA Form 7233-1 (8-82) CLOSE VFR FLIGHT PLAN WITH _____ FSS ON ARRIVAL					

SUPPLEMENTARY INFORMATION (NOT TO BE TRANSMITTED IN FPL MESSAGES)									
19. ENDURANCE HR MIN		PERSONS ON BOARD		EMERGENCY RADIO					
- E / 0 5 0 0		P / 0 0 2		R /		UHF VHF ELT			
						<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
SURVIVAL EQUIPMENT									
POLAR		DESERT		MARITIME		JUNGLE		JACKETS	
S / <input checked="" type="checkbox"/>		D		M		<input checked="" type="checkbox"/>		J / <input checked="" type="checkbox"/>	
								LIGHT FLUORES UHF VHF	
								<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
DINGHIES									
NUMBER		CAPACITY		COVER		COLOR			
D / 0 1		0 0 6		<input checked="" type="checkbox"/>		YELLOW			
AIRCRAFT COLOR AND MARKINGS									
A / WHITE AND BROWN									
REMARKS									
N /									
PILOT-IN-COMMAND									
C / CARL FOSTER									
FILED BY			ACCEPTED BY			ADDITIONAL INFORMATION			

Item 8 – Flight Rules

- **I = IFR**
- **V = VFR**
- **Y = IFR first)***
- **Z = VFR first)***
- ***If indicating either Y or Z, specify in Item 15 the point or points where a change of flight rules is planned.**

Type of Flight

- **Note: *Type of flight is optional for flights that will be conducted entirely within U.S. domestic airspace.***
- **S = scheduled Air Transport**
- **N = non-scheduled air transport**
- **G = general aviation**
- **M = military**
- **X = other than any of the defined categories above**

Wake Turbulence Category

- **H = HEAVY**, to indicate an aircraft type with a maximum certificated take-off mass of 136,000 kg or more;
- **M = MEDIUM**, to indicate an aircraft type with a maximum certificated take-off mass of less than 136,000 kg but more than 7,000 kg;
- **L = LIGHT**, to indicate an aircraft type with a maximum certificated take-off mass of 7,000 kg or less.

Item 10 - Equipment

- **S = Standard equipment**
 - VHF RTF, ADF, VOR and ILS

- **O = VOR**
- **D = DME**
- **F = ADF**
- **T = TACAN**

- **G = (GNSS)**

- **I = Inertial Navigation**
- **W = RVSM Certified**
- **J = (Data Link)(see Note 3)**
- **K = (MLS)**
- **L = ILS**
- **Z = Other equipment carried**

Information on navigation capability is provided to ATC for clearance and routing purposes

Surveillance Equipment

- After the NAV/COM entry there is a slash that separates the NAV/COM from the surveillance equipment
- **N = None**
- **A = Transponder - Mode A**
- **C = Transponder - Mode A and Mode C**
- **X = Transponder - Mode S without both aircraft identification and pressure-altitude transmission**
- **P = Transponder - Mode S, including pressure-altitude transmission, but no aircraft identification transmission**
- **I = Transponder - Mode S, including aircraft identification transmission, but no pressure-altitude transmission**
- **S = Transponder - Mode S, including both pressure-altitude and aircraft identification transmission ADS equipment**
- **D = ADS capability**

ADS Capability

- **B1 = ASD-B with dedicated 1090 out**
- **B2 = ADS-B with 1090 out and in**
- **U1 = ADS-B out using UAT**
- **U2 = ADS-B out and in using UAT**
- **V1 = ADS-B out using VDL Mode 4**
- **V2 = ADS-B out and in using VDL Mode 4**

Item 15 – Route

- **Cruising Speed**
 - Kilometers per hour, expressed as K followed by 4 figures (e.g., K0830), or
 - **Knots, expressed as N followed by 4 figures (e.g., N0485), or**
 - Mach Number, when so prescribed by the appropriate ATS, to the nearest hundredth of unit Mach, expressed as M followed by 3 figures (e.g., M082).
- **Cruising level for the first or whole flight (maximum 5 characters)**
 - Flight Level, expressed as F followed by 3 figures (e.g., F085; F330)
 - **Altitude in hundreds of feet, expressed as A followed by 3 figures (e.g., A045; A100**
 - **For uncontrolled VFR flights, the letters VFR.**
- **Route (including changes of speed, level and/or flight rules)**
 - Flights along designated ATS routes

Item 16 - Destination

- Primary
- Alternate(s) if required

3 MESSAGE TYPE <<=(FPL		7 AIRCRAFT IDENTIFICATION - N 4 2 2 0 R		8 FLIGHT RULES - V		TYPE OF FLIGHT G <<=	
9 NUMBER - 0 1		TYPE OF AIRCRAFT P A 3 2		WAKE TURBULENCE CAT. / L		10 EQUIPMENT - S/G <<=	
13 DEPARTURE AERODROME - K R Y N		TIME 1 4 0 0 <<=					
15 CRUISING SPEED - N 0 1 3 0		LEVEL A L 8 5		ROUTE ALMON V66 GBN MOHAK BZA IPL PILLO			
				<<=			
16 DESTINATION AERODROME - K M Y F		TOTAL EET HR MIN 0 2 3 5		ALTN. AERODROME		2ND ALTN AERODROME <<=	
18 OTHER INFORMATION							
		><<=					

Item 18 – Other Information

- **INSERT 0 (zero) if no other information,**
- **Include any other necessary information**
 - **REG/ [The registration markings of the aircraft, if different from the aircraft identification in Item 7.]**

Item 19 – Supplementary Information

- Most items are self-explanatory
- Cross out items that you do not have

SUPPLEMENTARY INFORMATION (NOT TO BE TRANSMITTED IN FPL MESSAGES)											
19	ENDURANCE			PERSONS ON BOARD			EMERGENCY RADIO				
	HR	MIN					UHF	VHF	ELT		
- E /	0	5	0	0	P /	0	0	2	R / <input checked="" type="checkbox"/>	V	E
SURVIVAL EQUIPMENT											
	POLAR	DESERT	MARITIME	JUNGLE	JACKETS	LIGHT	FLUORES	UHF	VHF		
S	/	<input checked="" type="checkbox"/>	D	M	<input checked="" type="checkbox"/>	→	J	/	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	V
DINGHIES											
	NUMBER	CAPACITY	COVER	COLOR							
D	/	0	1	→	0	0	6	→	<input checked="" type="checkbox"/>	→	YELLOW
AIRCRAFT COLOR AND MARKINGS											
A	/	WHITE AND BROWN									
REMARKS											
N	/									<<=	
PILOT-IN-COMMAND											
C	/	CARL FOSTER) <<=	
FILED BY			ACCEPTED BY				ADDITIONAL INFORMATION				

AIM 5-1-9

5-1-9. International Flight Plan (FAA Form 7233-4)– IFR Flights (For Domestic or International Flights)

a. General

Use of FAA Form 7233-4 is:

1. Mandatory for assignment of RNAV SIDs and STARs or other PBN routing,
2. Mandatory for all IFR flights that will depart U.S. domestic airspace, and
3. Recommended for domestic IFR flights.

NOTE–

1. An abbreviated description of FAA Form 7233-4 (International Flight Plan) may be found in this section. A detailed description of FAA Form 7233-4 may be found on the FAA website at:

http://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/enroute/flight_plan_filing/

Questions



かんたんネット総合リンク
<http://kantan-net.main.jp>

Antarctic Circle 66° 33'
Political World Map
copyright 2004 www.fabiovisconti.com

Presentation



Carl Foster, PVT, INST, SEL, SES