

Flight Plan

Quick Guide

2024



VERSION 8.2
SEP 2024

LINKS

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[Datacomm Services](#)

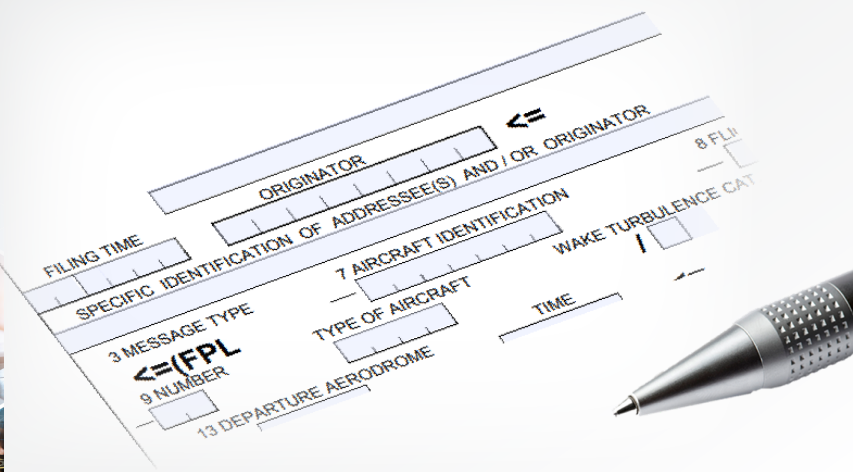
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Item 10a

N	No capabilities	S	Standard
Z	Other capabilities- indicate in Item 18 NAV/, DAT/, or COM/		Standard is VOR, VHF, ILS
W	RVSM- File W only if authorized RVSM ops		

Voice Communications via radio

H	HF RTF	U	UHF RTF
V	VHF RTF	Y	8.33 kHz RTF

ATC SATVOICE

Include Aircraft address in Item 18 Code/

M1	Inmarsat	M3	Iridium
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Data Communications- ACARS

E1	ACARS FMC WPR	E2	ACARS D-FIS
E3	ACARS PDC		

Data Communications- CPDLC ATN

J1	VDL Mode 2		
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Data Communications- CPDLC FANS 1/A

Include aircraft registration in Item 18 REG/ when planning a CPDLC login

J2	HF DL	J3	VDL Mode A
J4	VDL Mode 2	J5	Satellite Inmarsat
J7	Satellite Iridium		

Required Communications Performance

See ACs 90-117, 20-140C Requires Operational Authorization

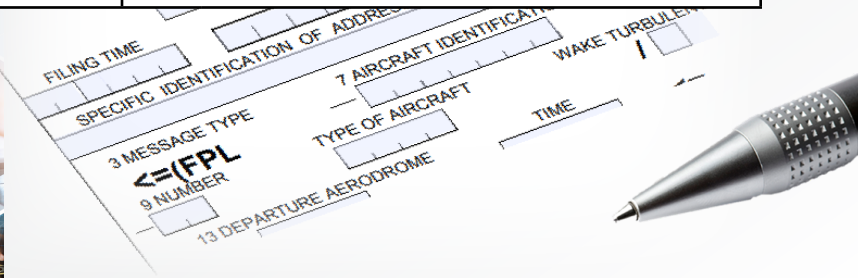
P1	RCP400	P2	RCP240
P3	RCP400 SATVOICE	P4- P9	Reserved

Navigation

D	DME	F	ADF
G	GNSS	I	INS
T	TACAN	R	PBN- include type in item 18 PBN/
O	VOR	X	MNPS / NAT HLA approved

Approach Capabilities

A	GBAS Landing Sys.	B	LPV (APV w/ SBAS)
L	ILS	K	MLS



Item 10b**Surveillance**

N No capabilities- include no other entries if filed

Transponder

Include no more than one

- A** Mode A (no Mode C)
C Modes A and C
S Mode S- ACID and Altitude
P Mode S- Altitude, no ACID
I Mode S- ACID, no Altitude
X Mode S- no ACID, no Altitude
E Mode S- ACID, Altitude, Extended Squitter
H Mode S- ACID, Altitude, Enhanced Surveillance
L Mode S- ACID, Altitude, Enhanced Surveillance, Extended Squitter

ADS-B

Include up to three

- Include aircraft address in Item 18 CODE/
- When compliant with 14 CFR 91.227 and AC 20-165, also include in Item 18 SUR/:
SUR/A2

- B1** 1090 MHz "out"
B2 1090 MHz "out" and "in"
U1 UAT "out"
U2 UAT "out" and "in"
V1 VDL Mode 4 "out"
V2 VDL Mode 4 "out" and "in"

ADS-C

Include each that applies

Include aircraft registration in Item 18 REG/ when planning an ADS-C login

- D1** ADS-C FANS 1/A
G1 ADS-C ATN



Item 18

Other Information

STS/	Special Handling (see list)
PBN/	Performance Based Navigation (see list). Include 'R' in item 10a h
NAV/	Other Navigation Capability (see advanced services) See note below.
COM/	Other Communications Capability. See note below.
DAT/	Other Data Application (See AC 90-117). See note below.
SUR/	Other Surv. Capability (e.g. A2 RSP180)
DEP/	Non-standard Departure (e.g. MD24)
DEST/	Non-standard Destination (e.g. EMI090021)
DOF/	Date of Flight (YYMMDD, e.g. 121123)
REG/	Registration (e.g. N123A)
EET/	Estimated Elapsed Times (e.g. KZNY0124)
SEL/	SELCAL (e.g. BPAM)
TYP/	Non-standard AC Type
CODE/	Aircraft/Mode S address in hex (e.g. A519D9)
DLE/	Delay (at a fix) (e.g. EXXON0120)
OPR/	Operator, when not evident from ACID
ORGN/	Flight Plan Originator (e.g. KHOUARCW)
PER/	Performance Category (e.g. A)
ALTN/	Non-standard Alternate(s) (e.g. 61NC)
RALT/	Enroute Alternate(s) (e.g. EINN CYYR KDTW)
TALT/	Take-off Alternate(s) (e.g. KTEB)
RIF/	Route to revised Destination
RMK/	Remarks- include any information instructed to include in Remarks (e.g. for NAS Field 11)

Note: When filing NAV/, COM/, or DAT/ include a 'Z' in Item 10a



Datacomm Services

(See AC 90-117 Appendix D) Further guidance:

Go to [CPDLC End2End](#), Go Table 14, ICAO FPL Field 10a and Field 18

Pre Departure Clearance

Item 10a- Z

PDC and DCL do not require any 'J' code in Item 10a

Item 18 DAT/ - Priority number followed by each service:

PDC- for ACARS PDC

FANS- for FANS DCL

FANSP- for FANS 1/A + DCL

VOICE- for Voice only

Example: DAT/1FANS2PDC

En Route CPDLC Services

Item 10a- Z and appropriate 'J' code

Item 18 DAT/- Priority number followed by each applicable service:

FANSE

FANSER

PDC

Example: DAT/1FANSER2PDC

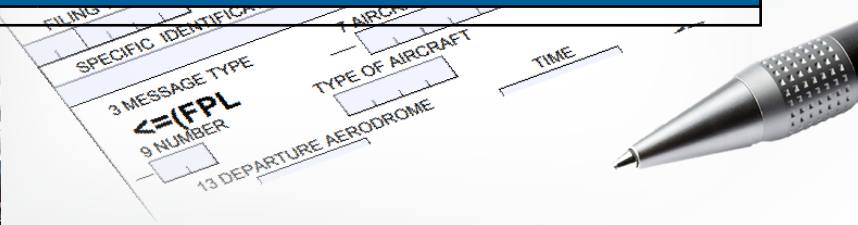
Key PBN Routes

See AIM Appendix 4 table 4-13

Route Type	Item 10a	Item 18 PBN/	Item 18 NAV/
RNP 1 SID or STAR & RF required	GRZ	O1 or O2	Z1
RNAV 1 SID or STAR	GR	D1 or D2	
	DIR	D1 or D4	
Domestic Q Route	GR	C1 or C2	
	DIR	C1 or C4	
T Route	GR	C1 or C2	
TK Route	GR	C1 or C2	
TK Route (RNP 0.3)	GZ		R1

Note: RNP routes requiring RF or FRT, include Z1 or Z2 in NAV/ (see "Add'l PBN Cap.")

Reduced Oceanic Separation- See [AIP Appendix 2](#) tables 2-14 through 2-17



STS/ Special Handling Reasons

ALTRV	Altitude Reservation	HUM	Humanitarian
ATFMX	Exempt from ATFM	FFR	Fire Fighting
FLTCK	Flight Check	HEAD	Head of State
HAZMAT	Hazardous Materials	SAR	Search and Rescue
MEDEVAC	Life-critical Medical Flight	HOSP	Medical Flight
STATE	Engaged in Military, Customs, or Police Services		
MARSA	Military assumes responsibility for separation of aircraft		
NONRVSM	Non-RVSM requesting operations in RVSM airspace (ensure W is not filed in Item 10a)		

Item 18 PBN/ Capabilities

(up to 8 allowed)

File any necessary codes in excess of 8 in NAV/

Oceanic

A1 RNAV 10 (RNP 10)
L1 RNP 4

RNP 1

O1 All
O2 GNSS

RNAV 5

B1 All
B2 GNSS
B3 DME/DME
B4 VOR/DME
B5 INS or IRS

RNP Approach

S1 RNP APCH
S2 RNP APCH/ Baro VNAV

RNP AR Approach

T1 RNP AR APCH w/RF

RNAV 2

C1 All
C2 GNSS
C4 DME/DME/IRU

RNAV 1

D1 All
D2 GNSS
D4 DME/DME/IRU

Additional PBN Capabilities in Item 18 NAV/

Z1 Radius to Fix (RF)
Z2 Fixed Radius Transitions (FRT)
Z5 Time of Arrival Control (TOAC)
R1 Helicopter RNP 0.3
P1 Advanced RNP (A-RNP)
M1 RNP 2 Continental
M2 RNP 2 Oceanic/Remote

Note: Always include Z in Item 10a when filing NAV/

PER/ Performance Categories

Categories based on Vref if specified, or 1.3 Vso, each at maximum certificated landing weight per CFR 97.3

A less than 91 knots IAS
B at least 91 and less than 121 knots IAS
C at least 121 and less than 141 knots IAS
D at least 141 and less than 166 knots IAS
E greater than 166 and less than 211 knots IAS
H Helicopters



Flight Specific Information

Item	International Flight Plan (FAA Form 7233-4)	Domestic U.S. Requirements	Equivalent Item on Domestic Flight Plan (FAA Form 7233-1)
Aircraft Identification	Item 7	Required	Item 2
Flight Rules	Item 8	Required	Item 1
Type of Flight	Item 8	No need to file for domestic U.S. flight	N/A
Equipment and Capabilities	Item 10 Item 18 PBN/; NAV/; COM/; DAT/; SUR/	Required	Item 3
Date of Flight	Item 18 DOF/	Include when date of flight is not today	N/A
Reasons for Special Handling	Item 18 STS/; RMK/	Include when special category is applicable	Item 11
Remarks	Item 18 RMK/	Include when necessary	Item 11
Operator	Item 18 OPR/	No need to file for domestic U.S. flight	N/A
Flight Plan Originator	Item 18 ORGN/	No need to file for domestic U.S. flight	N/A

- (FPL-ACID-Flt Rules Flight Type**
- AC Type/Wake Cat-Equip.&Capability
- Departure EOBT
- Speed Altitude [sp] Route
- Destination ETE [sp] Alternate(s)
- Other Information)

Example

(FPL-TTT123-IS -C550/L-SADE1E2GHIJ3J5P2RWZ/SB1D1
 -KPWM1225
 -N0440F310 SSOXS5 SSOXS DCT BUZRD
 DCT SEY DCT HTO J174 ORF J121
 CHS EESNT LUNNI1
 -KJAX0214 KMCO
 -PBN/A1L1B1C1D1O1T1 NAV/Z1 GBAS
 DAT/1FANS2PDC SUR/A2 RSP180
 DOF/220501 REG/N123A SEL/BPAM
 CODE/A05ED7)

Flight Planning References

[Aeronautical Information Manual](#)

(AIM) Appendix 4

[Aeronautical Info. Publication](#)

(AIP) Appendix 2

[FAA Flight Planning Website](#)

[Form FAA 7233-4](#)

