

## International Flight Plan: New Equipment Codes

### References:

1. Planned Changes to Filed Flight Plans in 2012, FAA Web site:

[http://www.faa.gov/about/office\\_org/headquarters\\_offices/ato/service\\_units/enroute/flight\\_plan\\_filing/general/icao\\_2012/](http://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/enroute/flight_plan_filing/general/icao_2012/)

ICAO has decided to update the International Flight Plan form in order to meet the needs of aircraft with advanced capabilities and the evolving requirements of automated air traffic management (ATM) systems. Beginning July 26, 2012, boxes 10 and 18 **will accept a set of new equipment codes**, and they **become mandatory** on November 15, 2012. The following is an attempt to inform you of the correct new codes for Gulfstream aircraft, and briefly comment about what the code means to ATC.

### The New Codes for Box 10:

G450/550/D&Fb:	SDE2E3FGHIM1RWXYZ/SD1
G450/550/D&Fb/CPDLC:	SDE2E3FGHIM1RWXYZ/SD1
G450/550/Fen:	SBDE2E3FGHIJ3J5M1RWXYZ/SD1
G450/550/G:	SBDE2E3FGHIJ3J5M1RWXYZ/LB1D1
GIV&GV:	SDE2E3FGHIM1RWXYZ/S

Note: D= Cert Delta;  
Fb = Cert Foxtrot basic,  
Fen = Cert Foxtrot enhanced nav;  
G = Cert Golf

Codes left of slash (10a):	S	VHF, VOR, ILS
	B	LPV
	D	DME
	E2	D-FIS ACARS
	E3	PDC ACARS
	F	ADF
	G	GNSS
	H	HF
	I	IRS
	J3	CPDLC via FANS 1/A VDL Mode A
	J5	CPDLC via FANS 1/A SATCOM (INMARSAT)
	M1	ATC SATCOM (INMARSAT)
	R	PBN (requires remark in block 18)
	W	RVSM
	X	MNPS
	Y	VHF with 8.33 KHz spacing
	Z	Other Com, Nav, or Dat (requires remark in block 18)

Codes right of slash (10b):	S	Mode S transponder, Flt ID, Press Alt, Enhanced Surveillance
	L	Mode S transponder, Flt ID, Pres Alt, Enhanced Surveillance, and ADS-B
	B1	ADS-B out via 1090 MHz
	D1	ABS-C via FANS 1/A

The New Codes for Box 18:

PBN/A1B2B3B4C1D1O1S2 COM/INMARSAT NAV/RNVD1E2A1 DAT/SV

Note 1: Aircraft/crew with RNP AR authorization add T1 to PBN remark

Note 2: Aircraft with RNP 4 authorization add 'L1' to PBN remark

Note 3: Aircraft capable of LPV add 'LPV' to NAV remark

PBN Codes:

A1	RNAV 10, RNP 10
B2	RNAV 5 via GNSS
B3	RNAV 5 via DME/DME
B4	RNAV 5 via VOR/DME
C1	RNAV 2 via all permitted sensors
D1	RNAV 1 via all permitted sensors
L1	RNP 4 operations authorized
O1	RNP 1 via all permitted sensors
S2	GNSS Approach using Baro-VNAV
T1	RNP AR approach authorized

NAV Codes:

RNV	RNAV
A1	RNAV 1 arrival procedures
D1	RNAV 1 departure procedures
E2	RNAV 2 routes
LPV	LPV approach

DAT Codes:

S	Datalink via SATCOM
V	Datalink via VHF

B-RNAV is covered by the B2, B3, and B4 declarations in the PBN remark. P-RNAV is covered by the D1 declaration.

The first Gulfstream authorized for RNP 4 operations received its LOA in April 2012. Many more will follow soon. Recall that **all oceanic operations will transition to RNP 4 at some point in the next few years. RNP 4 operations require CPDLC, two RNP 4 navigation systems, and ADS-C.**

Gulfstream drivers will be very interested in this information. Their flight planning service providers will be calling them soon to see what they want in boxes 10 and 18. So, put a copy of this NOTAM in your "Brain Book" so you will have the answer when the question is asked.