

November 2015

Filing ADS-B Capability in an ICAO format Flight Plan for a flight in U.S. Airspace

The Federal Aviation Administration (FAA) in some cases uses the ADS-B capability filed in the flight plan to make decisions on route assignment. In all cases to take full advantage of ADS-B, the aircraft address must be known by the Air Traffic Control system. These instructions provide guidance for correct filing of ADS-B capability.

Instructions for the required items can also be found in the [Aeronautical Information Manual \(AIM\)](#), Paragraph 5-1-9-b.

NOTES:

- (1) *There is no way to specify ADS-B capability in a domestic (NAS) format flight plan. The ICAO format must be used.*
- (2) *FAA systems do not process Voice DataLink (VDL) Mode 4 (in or in/out) which is filed as V1 or V2 in field 10b.*
- (3) *FAA systems do not process ADS-B reports based on RTCA DO-260, DO-282, DO-260A, or DO-282A.*

Automatic Dependent Surveillance-Broadcast (ADS-B) Filing Instructions

For 1090 MHz Extended Squitter Capability

- In Field 10b: Specify the appropriate code(s) per instructions in AIM paragraph 5-1-9-b-4 TBL 5-1-5; B1 for 'out' or B2 for 'in and out'. File only one of these codes.
- In Field 18 SUR/: Specify 260B to indicate compliance with RTCA DO-260B and per instructions in AIM paragraph 5-1-9-b-8-g. The FAA can only process 'B' level reports. Reports from DO-260 or DO-260A equipment are discarded.
- In Field 18 CODE/: Specify the aircraft address as assigned per instructions in AIM paragraph 5-1-9-b-8-o. This should be a six-digit hexadecimal code. Note: When doing a registration search on the FAA home page, the aircraft address is identified as the "Mode S Code (base 16 / hex)". Do not use the (base 8 / oct) version that is also listed.

For Universal Access Transceiver (UAT) Capability

- In Field 10b: Specify the appropriate code(s) per instructions in AIM paragraph 5-1-9-b-4 TBL 5-1-5; U1 for 'out' or U2 for 'in and out'. File only one of these codes.
- In Field 18 SUR/: Specify 282B to indicate compliance with RTCA DO-282B and per instructions in AIM paragraph 5-1-9-b-8-g. The FAA can only process 'B' level reports. Reports from DO-282 or DO-282A equipment are discarded.
- In Field 18 CODE/: Specify the aircraft address as assigned per instructions in AIM paragraph 5-1-9-b-8-o. This should be a six-digit hexadecimal code. Note: When doing a registration search on the FAA home page, the aircraft address is identified as the "Mode S Code (base 16 / hex)". Do not use the (base 8 / oct) version that is also listed.

Examples

Example 1: Aircraft is equipped with ADS-B In and Out capability using 1090 MHz extended squitter

item 10b: B2
item 18: SUR/260B CODE/A00001

Example 2: Complete flight plan showing ADS-B out (1090-ES) and ADS-B in/out (UAT)

(FPL-ABC123-IS
-B737/M-SDE2E3GIRWZ/SB1U2
-KBWI1300
-N0450F400 TERPZ5 OTTTO Q68 HVQ DCT SPAYD J6 UNCKL DARBY4
-KSDF0124 KIND
-PBN/D101S2T1 SUR/260B 282B REG/N269WN CODE/A2A26D)

Contact 9-AJE-FLIGHTPLANQUESTIONS@FAA.GOV with any questions.

Further guidance on flight plan content can be found at <http://www.faa.gov/ato?k=fpl>.