

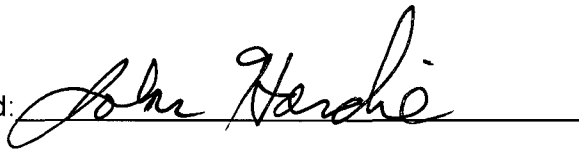
Approved Model List For

**Automatic Dependent Surveillance - Broadcast (ADS-B) Out/In System using
the FreeFlight Systems FDL-978 Series Universal Access Transceiver (UAT)
and qualified Global Position System (GPS)**

FreeFlight Systems

STC No. SR09654RC

FAA Approved:

A handwritten signature in black ink, appearing to read "John Hardie", is written over a solid horizontal line.

John Hardie

Acting Manager, ASW-140

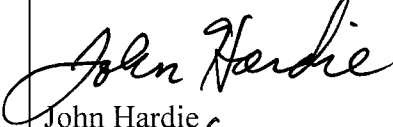
Fort Worth Aircraft Certification Office

Rotorcraft Directorate

Federal Aviation Administration

FAA APPROVED MODEL LIST
For ADS-B Out/In Airworthiness Approval
FreeFlight Systems
STC NO. SR09654RC, Revision N/C, Date March 1, 2016

1. Revision Log

Revision	Pages	Description	FAA Approval	Date
N/C	ALL	Initial Release	 John Hardie, Acting Manager, ASW-140	March 1, 2016

2. Introduction

This document is the Federal Aviation Administration (FAA) Approved Model List (AML) for Supplemental Type Certificate (STC) Number SR09654RC, for the installation of the FreeFlight Systems FDL-978 Series UAT with a qualified GPS into eligible rotorcraft. Approved models are listed in Section 5.

Revisions to the AML must be coordinated between the STC holder and the responsible Aircraft Certification Office (ACO), and require FAA approval.

This AML is only applicable to the 14 CFR, Part 27 rotorcraft listed in Section 5. Installations in 14 CFR Part 23, Part 25, and Part 29 aircraft are not authorized under this AML.

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3. Certification Basis

The certification basis for each qualified model is specified in the type certificate data sheet (TCDS) and modified by the amendment levels noted in the appendix identified in the approved model list of Section 5 below.

4. Approved ADS-B Out Equipage

Approved ADS-B Out equipage for the models listed in this AML is the FreeFlight Systems FDL-978 Series UAT and one of the following position sensors:

Configuration 1: GPS/WAAS Receiver internal to FDL-978 Series UAT

Configuration 2: FreeFlight Systems 1201 GPS/WAAS Receiver

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For ADS-B Out/In Airworthiness Approval
FreeFlight Systems
STC NO. SR09654RC, Revision N/C, Date March 1, 2016

5. Approved Model List

Item	Aircraft Make	Aircraft Model	TC Data Sheet	Certification Basis	Master Drawing List/Date	AFM Supplement Number/Date	Instructions for Continued Airworthiness
1.	Airbus Helicopters	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350C, AS350D, AS350D1, EC130B4, EC130T2	H9EU	See AML Appendix A, Table 1	E-FF-15-0002, Rev. D, dated 2/26/16, or later FAA approved revision.	E-FF-15-0009, Rev. IR, dated 2/29/16, or later FAA approved revision	E-FF-15-0008, Rev. IR, dated 12/22/15, or later FAA accepted revision.
2.	Airbus Helicopters	AS355E, AS355F, AS355F1, AS355F2, AS355N, AS355NP	H11EU	See AML Appendix A, Table 1	E-FF-15-0002, Rev. D, dated 2/26/16, or later FAA approved revision.	E-FF-15-0009, Rev. IR, dated 2/29/16, or later FAA approved revision	E-FF-15-0008, Rev. IR, dated 12/22/15, or later FAA accepted revision.
3.	Bell Helicopter Textron Canada Limited	206A, 206B, 206B-1, 206L, 206L-1, 206L-3, 206L-4, 407	H2SW	See AML Appendix A, Table 1	E-FF-15-0002, Rev. D, dated 2/26/16, or later FAA approved revision.	E-FF-15-0009, Rev. IR, dated 2/29/16, or later FAA approved revision	E-FF-15-0008, Rev. IR, dated 12/22/15, or later FAA accepted revision.
4.	Bell Helicopter Textron Canada Limited	427	R00001RC	See AML Appendix A, Table 1	E-FF-15-0002, Rev. D, dated 2/26/16, or later FAA approved revision.	E-FF-15-0009, Rev. IR, dated 2/29/16, or later FAA approved revision	E-FF-15-0008, Rev. IR, dated 12/22/15, or later FAA accepted revision.
5.	Bell Helicopter Textron Canada Limited	429	R00003RD	See AML Appendix A, Table 1	E-FF-15-0002, Rev. D, dated 2/26/16, or later FAA approved revision.	E-FF-15-0009, Rev. IR, dated 2/29/16, or later FAA approved revision	E-FF-15-0008, Rev. IR, dated 12/22/15, or later FAA accepted revision.
6.	Robinson Helicopter Company	R22, R22 ALPHA, R22 BETA, R22 MARINER	H10WE	See AML Appendix A, Table 1	E-FF-15-0002, Rev. D, dated 2/26/16, or later FAA approved revision.	E-FF-15-0009, Rev. IR, dated 2/29/16, or later FAA approved revision	E-FF-15-0008, Rev. IR, dated 12/22/15, or later FAA accepted revision.

FAA APPROVED MODEL LIST
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STC NO. SR09654RC, Revision N/C, Date March 1, 2016

Item	Aircraft Make	Aircraft Model	TC Data Sheet	Certification Basis	Master Drawing List/Date	AFM Supplement Number/Date	Instructions for Continued Airworthiness
7.	Robinson Helicopter Company	R44, R44 II	H11NM	See AML Appendix A, Table 1	E-FF-15-0002, Rev. D, dated 2/26/16, or later FAA approved revision.	E-FF-15-0009, Rev. IR, dated 2/29/16, or later FAA approved revision	E-FF-15-0008, Rev. IR, dated 12/22/15, or later FAA accepted revision.

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STC NO. SR09654RC, Revision N/C, Date March 1, 2016

Appendix A: All Models

Based on 14 CFR § 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis is as follows:

- a. As determined by the Type Certificate Data Sheet (TCDS) of the aircraft for parts **not changed or not affected** by this STC.
- b. Regulations at the amendment levels listed in Table 1 below for parts **changed or affected** by the STC since the reference date of application, March 3, 2015.

Table 1: Certification Basis Including Amendments.

Regulations	Amdt.
§ 27.29	27-14
§ 27.301	27-0
§ 27.303	27-0
§ 27.305	27-0
§ 27.307 (a)	27-26
§ 27.337	27-26
§ 27.341	27-0
§ 27.471	27-0
§ 27.561 (a)(b)(3)	27-32
§ 27.601	27-0
§ 27.603	27-16
§ 27.605	27-16
§ 27.607	27-4
§ 27.609	27-0
§ 27.610 (a)(b)(c)(d)	27-46
§ 27.611	27-0
§ 27.613	27-26
§ 27.619	27-0
§ 27.625	27-35
§27.671 (a)	27-0
§27.771 (a)	27-0
§27.773 (a)(1)	27-0
§27.777	27-0
§27.863	27-16
§ 27.1301	27-0
§ 27.1307 (d)(e)	27-0
§ 27.1309 (a)	27-46
§ 27.1309 (c)	27-46
§ 27.1316	27-46
§ 27.1317 (c)	27-42

FAA APPROVED MODEL LIST
For ADS-B Out/In Airworthiness Approval
FreeFlight Systems
STC NO. SR09654RC, Revision N/C, Date March 1, 2016

Regulations	Amdt.
§ 27.1321 (a)(c)(d)	27-13
§ 27.1322 (a)(b)(c)(d)	27-11
§ 27.1325 (a)	27-13
§ 27.1351 (a)	27-13
§ 27.1351 (b)(1)	27-13
§ 27.1357 (a)(b)(c)(d)	27-13
§ 27.1365	27-35
§ 27.1381	27-0
§ 27.1529	27-18
§ 27.1541(a)(b)	27-0
§ 27.1581	27-14
§ 27.1583 (c) (e)	27-16
§ 27.1585(a)	27-21