

**Approved Model List For**  
**Automatic Dependent Surveillance - Broadcast (ADS-B) Out**  
**System using the Trig Avionics TT22 Transponder and qualified**  
**Global Position System (GPS)**

**Peregrine**

**STC No. SA00756DE**

FAA Approved: \_\_\_\_\_

Todd Dixon  
Manager, Denver Aircraft Certification Office

Original Issue:        January 25, 2013

**FAA APPROVED MODEL LIST**  
**For ADS-B Out Airworthiness Approval**  
**Peregrine**  
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**1. Revision Log**

Revision	Pages	Description	FAA Approval	Date
(-)	ALL	Initial Release	<p>_____</p> <p>Manager, Denver Aircraft Certification Office  Federal Aviation Administration  Transport Airplane Directorate</p> <p>Date: _____</p>	<p>Original  Issue Jan 25,  2013</p>

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## **2. Introduction**

This document is the Federal Aviation Administration (FAA) Approved Model List (AML) for Supplemental Type Certificate (STC) Number SA00756DE, for installing the Automatic Dependent Surveillance - Broadcast (ADS-B) Out System using the Trig Avionics TT22 Transponder and qualified Global Position System (GPS) into eligible aircraft.

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

This STC is only applicable to the 14 CFR, Part 23, Class I aircraft, as defined in Advisory Circular (AC) 23.1309-1C, which are listed in this AML. Installations in 14 CFR, Part 23 Class II, III and IV, Part 25, Part 27 and Part 29 aircraft are not authorized under this STC.

This STC assumes the following equipment is already installed on each airplane eligible for this proposed modification. The following equipment must be properly linked to meet the intended function for the system, as certified under this AML approval.

- a. Transponder system, including
  - Standalone transponder, and,
  - Technical Standard Order (TSO) Approved transponder antenna that meets TSO-C112
- o Altitude encoder.

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### **3. Certification Basis**

The certification basis for each model qualified for this modification is detailed in the appendix specified by the approved model list in section 4 below.

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**4. Approved Model List**

Item	Aircraft Make	Aircraft Model	S/N	TC Data Sheet	Certification Basis	Master Drawing List/Date	AFM Supplement Number/Date	Instructions for Continued Airworthiness	Note(s)	AML Amendment / Date
1.	Pitts	S-2C	All	A8SO	14 CFR 23 See Appendix A for Details	Peregrine Doc. No. E-TA-11-0002, Rev. B, dated 01/07/13, or later FAA approved revision.	Peregrine Doc. No. E-TA-11-0009, Original Release, January 18, 2013, or later FAA approved revision.	Peregrine Doc. No. E-TA-11-0008, Rev. B, dated 01/09/13, or later FAA approved revision.	(1)	Original Issue Jan 25, 2013

**NOTE(S):**

(1) **Configuration 1:** Approved ADS-B Out Equipage for this model is the Trig Avionics TT22 Transponder (part number 00745-00; software version 2.4 or later) and FreeFlight Systems 1201 GPS/WAAS Receiver (part number 84100-03-0306; software version 0306 or later).

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**Appendix A Aviat Aircraft Pitts 2-SC**

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Aviat Aircraft Pitts 2-SC is as follows:

- a. the Type Certificate Data Sheet (TCDS), A8SO, 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 this STC since the reference date of application, May 25, 2012.

**Table 1 Certification Basis Including Amendments.**

<b>Regulations</b>	<b>Amdt.</b>
§ 23.301	23-48
§ 23.303	23-0
§ 23.305	23-45
§ 23.307	23-0
§ 23.321	23-45
§ 23.471	23-0
§ 23.561 (b)(3)	23-48
§ 23.601	23-0
§ 23.603	23-23
§ 23.605	23-23
§ 23.607	23-48
§ 23.609	23-0
§ 23.611	23-48
§ 23.613	23-45
§ 23.619	23-7
§ 23.625	23-7
§ 23.671	23-0
§ 23.771 (a)	23-14
§ 23.773 (a)(2)	23-45
§ 23.777 (a)(b)	23-51
§ 23.1301 (a)(b)(c)(d)	23-20
§ 23.1309 (a)(b)(e)	23-49
§ 23.1322 (d)	23-43
§ 23.1351 (a)(b)(1)	23-49
§ 23.1357 (a)(b)(c)(d)	23-43
§ 23.1359 (a)(c)	23-49
§ 23.1365 (a)(b)(d)(e)	23-49
§ 23.1431 (a)(b)	23-49