

Approved Model List For:

**Garmin 3-tube G950 avionics system with TCAS I, TAWS B,
graphical weather and synthetic vision**

Eagle Creek Aviation Services

STC Number SA11132SC

FAA Approved: _____
DRB Aviation Project ODA Administrator
ODA-831473-SW

1. AML Revision Log

Revision	Pages	Description	FAA Approval	Date
IR	All	Initial Release		April 28, 2014

2. Introduction

This document is the FAA AML for STC Number SA11132SC for installing Garmin 3-tube G950 avionics system with TCAS I, TAWS B, graphical weather and synthetic vision into eligible aircraft.

Revisions to the AML must be coordinated between the STC holder and the responsible ODA/ACO and require FAA approval.

IMPORTANT NOTES:

This STC assumes the following equipment is already installed on each airplane eligible for the proposed modification.

S-Tec Autopilot part numbers 01298-07-01-005 or 01304-04-01-008 per FAA STC SA0928AC-D

Localizer Performance with Vertical Guidance (LPV) operation is only approved for part number 01304-04-01-008 with mod L.

3. Certification Basis

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 AML modified by installing a 3-tube Garmin G950 avionics system with TCAS I, TAWS B and graphical weather is as follows:

- a. The type certification basis for the approved model list for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application, 16 June 2012, is based upon part 23 as amended by amendment 23-62:

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 this modification were determined to be:

Aircraft Make	Aircraft Model	Type Data Sheet	Certification Basis
Twin Commander	695A Serial numbers 96000 to 96055	2A4	<p>Regulations at the latest amendment 23-0 through 23-62 14 CFR § 23.1, 23.23 (b), 23.301 (a)(b), 23.303, 23.305, 23.307 (a), 23.341 (a), 23.365 (a)(d), 23.561 (a)(b), 23.571 (a), 23.601, 23.603, 23.605 (a), 23.609 (a), 23.611, 23.613 (a)(b), 23.619, 23.625 (a)(c), 23.627, 23.771 (a), 25.773 (a), 23.777 (a)(b), 23.853 (a), 23.867 (b1), 23.901 (e), 23.1301, 23.1303 (a)(b)(c)(d)(e)(f), 23.1306, 23.1307, 23.1308 (a,b,c), 23.1309, 23.1311, 23.1321, 23.1322, 23.1323 (a)(b)(c)(d), 23.1325 (a)(b1), 23.1327 (a), 23.1329 (h), 23.1331, 23.1335, 23.1337 (b1), 23.1351 (a), 23.1353, 23.1357, 23.1359 (c), 23.1365 (a)(b)(d)(e), 23.1367, 23.1381, 23.1431 (a)(b), 23.1501, 23.1519, 23.1523, 23.1525, 23.1529, 23.1541, 23.1543, 23.1545, 23.1547, 23.1549, 23.1555 (a), 23.1581, 23.1583 (a)(b)(g)(h)(m), 23.1585 (a).</p> <p>Regulations at an intermediate amendment 14 CFR § 23.1305 (a,b,c,e,g,j,k,m) (amt 23-7)</p> <p>Regulations at the amendment level in TCDS 2A4 None</p>

4. Approved Model List

Aircraft Make	Aircraft Model	Type Certificate Number	Required Approved Data and Added Model Specific Limitations	AML Amendment Date
Twin Commander	695A Serial numbers 96000 to 96055	2A4	<p>Master Drawing List: 413-00-0001, Rev. E dated April 25, 2014</p> <p>Airplane Flight Manual Supplement: 413-00-0083, Rev IR, dated April 25, 2014</p> <p>Instructions for Continued Airworthiness: 413-00-0086, Rev A, dated September 18, 2013</p>	IR 28 April 2014