

Approved Model List For:

Rockwell Collins Pro Line Fusion embedded display system (EDS) with optional TCAS II

BHE & Associates, Ltd.

**STC Number SA11136SC
Revision A**

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

FAA Approved Model List (AML) STC Number SA11136SC

1. AML Revision Log

Revision	Section	Description	FAA Approval	Date
IR	All	Initial Release	Robert Hurley	December 24, 2015
A	2 3 4 2,3,4	Add APC-65, APC-65H (B200/B200C) and APC-65J (B300/B300C) and TCAS I to "Important Notes" Add B300/B300C engine and propeller. Add missing rules to cert basis - B300 Changed Master <i>Drawing</i> List to Master <i>Data</i> List. Add model B200/B200C		

2. Introduction

This document is the FAA AML for STC Number SA11136SC for installing a Rockwell Collins Pro Line Fusion EDS and optional TCAS II 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 (all models):

Rockwell Collins APC-65 or APC-65H (B200/B200C) and APC-64J (B300/B300C)

Autopilot

Rockwell Collins Pro Line II radios

Honeywell KGP-860 TAWS

If TCAS is installed prior to, or with this STC, the following are approved:

Rockwell Collins TCAS-4000 or TCAS-4100

Extant Aerospace/L3 TCAS TRC-899

MODEL SPECIFIC LIMITATIONS AND CONDITIONS (continued from sheet 1 of the certificate):

Beechcraft B300 and B300C:

1. Serial numbers FL-120, FL-122 thru FL-380, FL-382; FM-9 thru FM-11.
2. Equivalent Level of Safety Findings has been made for the following regulations:
14 CFR §23.1305(a)(2), (a)(3), c(2) and (c)(5), Amendment 23-52
14 CFR §23.1311 (a)(6) and (a)(7), Amendment 23-62
14 CFR §23.1549(a), (b) and (c) Amendment 23-45
(Documented in ELOS Memo ST1933DRB-A-F-1)
3. Aircraft must have two of the same propeller part numbers from the list below:
 - a. HC-B4MP-3C/M10476K
 - b. HC-B4MP-3C/M10476NK
4. Pratt & Whitney PT6A-60A engine

Beechcraft B200 and B200C:

1. Equivalent Level of Safety Findings has been made for the following regulations:
14 CFR §23.1305(a)(2), (a)(3), c(2) and (c)(5), Amendment 23-52
14 CFR §23.1311 (a)(6)(7) Amendment 23-62
14 CFR §23.1549(a), (b) and (c) Amendment 23-45
(Documented in ELOS Memo SA1967DRB-A-P-1)

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Beechcraft B200 and B200C (cont):

2. Aircraft must have two of the same propeller part numbers from the list below:
 - a. HC-B3TN-3G/TI0178B-3R
 - b. HC-B3TN-3N/TI0178B-3R
 - c. HC-B3TN-3G/TI0178K-3R
 - d. HC-B3TN-3N/TI0178K-3R
 - e. 3GFR34C702--100LA
 - f. HC-D4N-3A/D9515K
3. Pratt & Whitney PT6A-42 engine

3. Certification Basis

The certification basis for each model qualified for this modification is detailed below.

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 Rockwell Collins Pro Line Fusion EDS and optional TCAS II 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 for the B300/B300, 30 December 2014 and B200/B200C, 14 April 2016, 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
Beechcraft	B300 B300C	A24CE	<p>Regulations at the latest amendment 23-0 through 23-62 14 CFR § 23.1, 23.23 (b), 23.25 (a)ii), 23.301 (a)(b), 23.305, 23.561 (a)(b)(e), 23.574 (a), 23.575, 23.613(a)(b)(c)(d)(e), 23.773 (a2), 23.777 (a)(b), 23.853 (a),(d3iv),23.867(a)(b1), 23.901 (a)(b1)(b2)(e1), 23.903(b2), 23.937(a), 23.1141(g2), 23.1203(a)(d), 23.1301, 23.1303 (a)(b)(c)(e)(g), 23.1305(a2)(a3)(a5)(c1)(c2)(c3)(c5)(c6) (c7)(e1), 23.1306, 23.1308 (a)(b)(c), 23.1309, 23.1311, 23.1321, 23.1322, 23.1323 (a)(c),23.1325(a)(b1)(b2), 23.1329(h), 23.1331, 23.1351(a1)(a2ii), 23.1353(h), 23.1357(a)(b)(c)(d), 23.1359(c), 23.1361(a)(b), 23.1365(a)(b)(c)(d), 23.1431 (a)(b)(d)(e), 23.1501 (b2), 23.1521(a)(b)(c) 23.1525, 23.1543(b)(c), 23.1545(c), 23.1549, 23.1555 (a), 23.1581(a)(b1)(b3)(c)(d)(f), 23.1583(h)(m), 23.1585 (a)(j).</p> <p>Regulations at an intermediate amendment 23.1545(d) 23-50</p>
Beechcraft	B200 B200C	A24CE	<p>Regulations at the latest amendment 23-0 through 23-62 14 CFR § 23.1, 23.23 (b), 23.25 (a)ii), 23.301 (a)(b), 23.305, 23.561 (a)(b)(e), 23.574 (a), 23.575, 23.603(a)(b), 23.605(a), 23.613(a)(b)(c)(d), 23.677(b), 23.771(a), 23.773 (a2), 23.777 (a)(b), 23.853 (a), 23.867 (a)(b1), 23.901 (a)(b1)(e1), 23.903(b2), 23.937(a)(b), 23.1141(g2), 23,1203(a)(d), 23,1301, 23.1303 (a)(b)(c)(e)(g), 23.1305(a5)(c1)(c3)(c5) (c6)(c7)(e1)(e2), 23.1306, 23.1308 (a)(b)(c), 23.1309, 23.1310(a)(b) 23.1311, 23.1321, 23.1322, 23.1323 (a)(c), 23.1325(a)(b1)(b2), 23.1327(a)(b), 23.1329(e)(f)(g)(h), 23.1331, 23.1351(a), 23.1353(h), 23.1357(a)(b)(c)(d), 23.1359(c), 23.1361(a)(b), 23.1365(a)(b)(c)(d)(e), 23.1431 (a)(b)(d)(e), 23.1501(b), 23.1521(a)(b)(c) 23.1525, 23.1529,</p>

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			23.1545(c), 23.1547(a)(b)(c)(d)(e), 23.1549, 23.1555(a), 23.1581(a)(b1)(b3)(c)(d)(f), 23.1583(h)(m), 23.1585 (a)(j). Regulations at an intermediate amendment 23.1545(d) 23-50
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4. Approved Model List

Aircraft Make	Aircraft Model	Type Certificate Number	Required Approved Data and Added Model Specific Limitations	AML Amendment Date
Beechcraft	B300 B300C	A24CE	Master Data List: 522-00-0001, Rev. H dated 24 December 2015 Airplane Flight Manual Supplement: 522-00-0097, Rev IR, dated December 24, 2015 Instructions for Continued Airworthiness: 522-00-0098, Rev B, dated November 11, 2015	IR 24 December 2015
Beech	B200 B200C	A24CE	Master Data List: 548-00-0001 Rev. A dated October 14, 2016 Airplane Flight Manual Supplement: 548-00-0097, Rev A, dated October 12 2016 Instructions for Continued Airworthiness: 548-00-0098, Rev A, dated September 22, 2016	A 15 October 2016