



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SA03349NY

This certificate issued to: Sierra Nevada Corporation
Integrated Mission Systems
18635 Jarkey Drive
Hagerstown, MD 21742

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product – Type Certificate Number:
A24CE

Make: Beechcraft Corporation
Model: Beechcraft B300/B300C

Description of Type Design Change:

1. Installation of Top and Bottom Radomes on a Beechcraft Corp. King Air B300/B300C Model Aircraft in accordance with Sierra Nevada Corporation/Integrated Mission Systems Master drawing List Document No. 01600000 Rev D, dated September 22, 2015.
2. Configuration #1 is Top and Bottom Radome, Extended Nose Baggage Compartment, and Relocated OEM Antennas in accordance with Drawing List Document No. 01600100 Rev E, dated September 22, 2015.

(See Description of Type Design Change continued on Page 3 of 3)

Limitations and Conditions:

1. STC SA00367SE must be installed as a prerequisite for Configuration #1 and #2 of this modification.
2. STC SA03087NY must be installed as a prerequisite for Configuration #2 of this modification.
3. The following kits are prerequisites for Configuration #3 of this modification:
 - a) Raytheon Kit 130-4400 Ventral Fin or Raytheon Kit 130-4404 Ventral Fin
 - b) Raytheon Kit 130-6003 Maritime Rudder

(See Limitations and Conditions continued on Page 3 of 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: November 17, 2008

Date Reissued:

Date of Issuance: January 23, 2014

Date Amended: April 8, 2014, October 8, 2015

By Direction of the Administrator

Signature _____

Title Gaetano Sciortino
Manager
New York Aircraft Certification Office

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



United States of America
Department of Transportation
Federal Aviation Administration
Supplemental Type Certificate

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

Transfer Endorsement

Transfer the ownership of Supplemental Type Certificate Number: SA03349NY

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number: SA03349NY

Date Amended: October 8, 2015

Description of Type Design Change (continued):

3. Configuration #2 is Top and Bottom Radome, Extended Nose Baggage Compartment, FLIR and Lift Mechanism, Relocated OEM Antennas and Special use Antennas in accordance with Drawing List Document No. 01600200 Rev G, dated September 22, 2015.
4. Configuration #3 is Top Radome only in accordance with Drawing List Document No. 01600202, Rev B, dated September 22, 2015.
5. Sierra Nevada Corporation Instructions for Continued Airworthiness (ICA) 01600004 Rev D dated September 18, 2015 or later FAA accepted revision is required for this modification. This ICA is applicable to Configuration #1 and Configuration #2.
6. Sierra Nevada Corporation Instructions for Continued Airworthiness (ICA) 01600052 Rev D dated September 18, 2015 or later FAA accepted revision is required for this modification. This ICA is applicable to Configuration #3.
7. FAA Approved Airplane Flight Manual Supplement (AFMS), Supplement No. 01600019 Rev A dated December 5, 2014 or later FAA approved revision is required for this modification. This AFMS is applicable to Configuration #1 and Configuration #2.
8. FAA Approved Airplane Flight Manual Supplement (AFMS), Supplement No. 01600044 Rev A dated January 13, 2014 or later FAA approved revision is required for this modification. This AFMS is applicable to Configuration #3.

Limitations and Conditions (continued):

4. This approval should not be incorporated in any aircraft of this specific model on which other approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those previously incorporated approved modification will not introduce any adverse effect upon the airworthiness of the aircraft.
5. The installer must determine whether this design change is compatible with previously approved modifications.
6. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

Certification Basis:

Based on 14 CFR 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the FAA certification basis for the Beechcraft Corporation Model B300/B300C series aircraft modification is as follows:

- a. The type certification basis for the Beechcraft Corporation model B300/B300c series aircraft is shown on TCDS A24CE 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, January 31, 2011, is based upon part 23 as amended by Amendment 23-59 and part 36 as amended by Amendment 36-28. 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 was determined to be:

(Certification Basis continued on Page 4 of 4)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number: SA03349NY

Date Amended: October 8, 2015

Certification Basis (continued):

Regulations at the latest amendment 23-0 through 23-59:

23.1, 23.21, 23.23, 23.25, 23.29, 23.49, 23.171, 23.173, 23.201, 23.203, 23.207, 23.251, 23.301, 23.303, 23.305, 23.307, 23.321, 23.331, 23.333, 23.337, 23.341, 23.347, 23.349, 23.351, 23.365, 23.421, 23.423, 23.427, 23.441, 23.443, 23.445, 23.561, 23.571, 23.572, 23.573, 23.574, 23.575, 23.601, 23.603, 23.605, 23.607, 23.609, 23.611, 23.613, 23.619, 23.623, 23.625, 23.627, 23.629, 23.867, 23.1301, 23.1309, 23.1351, 23.1357, 23.1359, 23.1365, 23.1401, 23.1431, 23.1501, 23.1505, 23.1525, 23.1529, 23.1541, 23.1581, 23.1583, 36.1, 36.2, 36.3, 36.6, 36.9, 36.501, 36.1581, G36.101, G36.103, G36.105, G36.107, G36.109, G36.111, G36.201, G36.203, G36.301

Regulations at the amendment level in TCDS A24CE:

23.3, 23.51, 23.65, 23.67, 23.77, 23.143, 23.145, 23.147, 23.149, 23.153, 23.157, 23.175, 23.177, 23.181, 23.253, 23.335, 23.1419, 36.1501, 23.1587

-----END-----

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).
