

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

*Number* SA00148WI

*This certificate, issued to* Central Airlines Inc.  
411 Lou Holland Drive  
Kansas City, MO 64116

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air*

*Regulations.* \* For Certification Basis see Type Certification Data Sheet 6A1 (and continuation sheet).

*Original Product — Type Certificate Number:* 6A1

*Make:* Twin Commander

*Model:* 500B, 500S, 500U

*Description of Type Design Change:* Installation of T.K.S. Ice Protection System in accordance with: (1) Central Airlines Inc. Drawing List No. 4194-DL, Revision 2, dated March 31, 1994, and (2) Central Airlines Inc. Airplane Flight Manual Supplement, Revision None, dated April 4, 1994; or later FAA approved revisions to (1) or (2).

*Limitations and Conditions:* This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that airplane.

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

*Date of application:* December 23, 1993

*Date reissued:*

*Date of issuance:* April 4, 1994

*Date amended:*



*By direction of the Administrator*

*James M. Peterson*  
(Signature)  
James M. Peterson, Manager, ACE-130W  
Wichita Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

United States of America  
Department of Transportation—Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* SA00148WI

Certification Basis continued:

For Known Icing Approval, compliance was demonstrated to the following requirements as outlined in Advisory Circular 23.1419-2, dated January 3, 1992. In addition, the certification basis includes the following:

CAR 3, dated May 15, 1956, as amended through 3-8, 3.85(a) and (c), 3.85a(a) and (c), 3.382, 3.383, (including note following (b)), 3.652, 3.652-1, 3.665, 3.666, 3.681, 3.682, 3.685, 3.686, 3.687, 3.690, 3.691, 3.692, 3.712, 3.725, 3.758, 3.770, 3.772, 3.777, 3.778, 3.779.

FAR 23, dated February 1, 1965, amended as follows:

23.929  
23.1301 (Amendment 20)  
23.1309 (Amendment 41)  
23.1419 (Amendment 14)

Tailplane stall potential was analyzed and flight tested and was shown to be acceptable.

---

*Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.*