United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number **SA00151SE**

This certificate, issued to **Aeronautical Testing Service, Inc.**
18820 59th Drive NE.
Arlington, WA 98223

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 21.25(a)(1) *of the* Federal Aviation *Regulations* and Part 8 of the Civil Air *Regulations.*

Original Product—Type Certificate Number: A9SW

Make: Air Tractor

Model: AT-300, AT-301, AT-302, AT-400 and AT-400A

Description of the Type Design Change: Fabrication and Installation of vortex generators and "delta wings" on the wings and strakes mounted above the left- and right- hand wing/fuselage junctions in accordance with an FAA approved copy of Aeronautical Testing Service, Inc., Drawing List No. ATS-301, Revision "C", dated April 19, 1995, or later FAA approved revision.

Option 1: No change in airspeeds; Airplane Flight Manual Supplement (AFMS) not required.
Option 2: Reduce stall speeds; AFMS required.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. Aircraft modified per option 2 of this STC must be operated in accordance with Aeronautical Testing Service, Inc., (ATS) Airplane Flight Manual Supplement (AFMS) Report No. ATS 94-15a, Revision "C", dated April 24, 1997, or later FAA approved revisions. A copy of this Certificate, and the FAA approved AFMS (option 2, only),must be maintained as part of the permanent records for the modified aircraft.

(See Continuation Sheet Page 3 of 3)

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: August 1, 1994

Date of issuance: November 18, 1994

Date reissued:

Date amended: May 24, 1995; April 24, 1997

By direction of the Administrator

(Signature)

Acting Manager, Seattle 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.

This certificate may be transferred in accordance with FAR 21.47.

FAA Form 8110-2(10-68)

Supplemental Type Certificate
(Continuation Sheet)

Number **SA00151SE**

Limitations and Conditions (continued):

The STC holder will provide a written permission statement to each person it authorizes to use this certificate to alter the product.

The ATS modification consists of eight-six (86) vortex generators and two (2) "delta wings" mounted on the wings and two (2) strakes, one each mounted above the left- and right- hand wing/fuselage junctions. If four (4) vortex generators are missing or damaged, the aircraft must be flown in accordance with the original markings, placards, and manual. If more than six (6) vortex generators are missing or damaged, or if a "delta wing" or strake is missing or damaged, the aircraft is not airworthy and must be repaired before flight.

(Refer to the AFMS for specified airspeed indicator markings, Option 2, only).

-END-

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