

Supplemental Type Certificate

This certificate has been reissued to replace the original certificate reported as lost.
RESTRICTED CATEGORY

Number SA4861NM

This Certificate issued to United Aeronautical Corporation
7360 Laurel Canyon Blvd.
North Hollywood, California 91605

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 25 of the Federal Aviation Regulations.

Original Product Type Certificate Number: A32NM

Make: USDA Forest Service

Model: P-3A

Description of Type Design Change: Installation of Retardant Tanks for the special purpose of Forest and Wildlife Conservation in accordance with FAA approved Aero Union Master Drawing List 11700, N/C, dated January 17, 1990, or later FAA approved revision. The FAA approved Aero Union Airplane Flight Manual Supplement dated May 9, 1990, or later FAA approved revision is required as part of this approval.

Limitations and Conditions: The approval of this change applies to P-3A airplanes only. This installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this change and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. A copy of this STC must be included in the permanent records of the modified aircraft. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission. (See Continuation Sheet)

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: January 10, 1990

Date reissued: April 15, 2015

Date of issuance: May 11, 1990

Date amended: May 11, 1992



By direction of the Administrator

(Signature)

Supervisor, Technical and Administrative
Support Staff

Los Angeles 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.

Supplemental Type Certificate

(Continuation Sheet)

Number SA4861NM

LIMITATIONS AND CONDITIONS (Continued)

Retardant drop shall be limited to speeds less than 150 knots and greater than $1.25 V_s$ and greater than V_{mc} .

Max takeoff gross weight not to exceed 105,000 lbs.

Max landing gross weight not to exceed 91,320 lbs

Max landing gross weight not to exceed 105,000 lbs. provided:

- a. Landing at gross weight greater than 91,320 lbs. shall be made at a minimum rate of descent, and;
- b. Overweight landing inspection shall be performed after accumulating 10 landings in excess of 91,320 lbs. up to and including 105,000 lbs.

Max zero fuel weight shall be 83,500 lbs.

Max vertical acceleration shall be limited to 2.5G flight factor, flaps retracted.

If operations in severe turbulence cannot be avoided, then do not exceed 65 kt above power off stall speed. Refer to the NATOPS Flight Manual, NAVAIR 01-75PAA-1. Turbulent penetration speed not to exceed 220 knots.

Max retardant in each tank shall be limited to 27,000 lbs.

No fuel will be carried in the wing center section fuel tank.

Maintain equal fuel in each of the four wing fuel tanks.

No cargo may be carried.

Airplane to be operated unpressurized.

Crewmen in the aft cabin must be protected with portable oxygen above 12,000 Ft.

- END -

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