United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA5198NM

This certificate, issued to Aeronautical Testing Service

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.* *

Original Product — Type Certificate Number: 3A25

Make: Cessna

Model: See attached Approved Model List (AML) SA5198NM for approved models and configurations

Description of Type Design Change: Installation of vortex generators on the wing and vertical tail and a 5% increase in takeoff weight in accordance with Drawing List DL-340, dated August 9, 1991.

The following options are available with this STC:

Option 1: No changes in airspeeds: AFMS not required.

Option 2: Reduced V_{mca} and stall speeds; AFMS required.

Option 3: Reduced V_{mca} and stall speeds; 5% increase in takeoff weight; 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 this model on which other previously approved modifications are incorporated unless it is determined 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. A copy of this Certificate and the appropriate FAA Approved Flight Manual Supplement, or later FAA approved revisions, must be maintained as part of the permanent records for the modified aircraft.

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: April 8, 1991

Date of issuance: November 15, 1991

Date reissued:

Date amended: July 29, 1992, June 21, 1993

By direction of the Administrator

(Signature)

Manager, Special Certification Branch
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)