United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA2098NM

This certificate, issued to U. S. Forest 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: 3A13

Make: Cessna

Model: 182P, 182Q, 182R

Description of Type Design Change: Installation of a II Morrow "Avenger" Model 502BR Loran-C navigation unit with its associated antenna system in accordance with an FAA sealed copy of U.S. Forest Service Descriptive Data Package No. Loran C-2, dated March 30, 1983, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to 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 tl airworthiness of that aircraft. Aircraft modified per this STC must be operated in acco dance with an FAA approved copy of the U.S. Forest Service Airplane Flight Manual Supple- ment dated 5/12/83 or later FAA approved revision. A copy of this Certificate and the F Approved Airplane Flight Manual Supplement shall 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: March 30, 1983

Date of issuance: May 12, 1983

Date reissued:

Date amended:

By direction of the Administrator

Donald M Pederson

(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)