United States of America
Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA4912NM

This certificate, issued to Leth and Associates

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 4b *of the* Civil Air *Regulations.*

Original Product — Type Certificate Number: A3WE
Make: Boeing
Model: 727-100

Description of Type Design Change: Increase in the maximum zero fuel weight of the Boeing 727-100 aircraft in accordance with FAA-approved Leth and Associates Drawing No. OL0064, Revision N/C, dated March 7, 1990, or later FAA-approved revisions.

Limitations and Conditions: Concurrent installation of Supplemental Type Certificate (STC) SA1444SO, SA1896SO, or SA1368SO is required. The airplane must be certified to hold Appendix 17 of Boeing Airplane Flight Manual (AFM) D6-8727. Certificate limitations in AFM Section 1 must list the airplane as having a maximum zero fuel weight of 123,500 pounds. This STC is not applicable to Boeing airplane line numbers 001 through 071. (See Continuation Page)

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 14, 1990
Date of issuance: March 27, 1990

Date reissued:
Date amended:

By direction of the Administrator

Stewart R. Miller
(Signature)

Assistant Manager, Seattle
Certification Office, ANM-100S
(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)

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Supplemental Type Certificate

(Continuation Sheet)

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Limitations and Conditions: Approval of the change in type design applies to the above model aircraft only. This approval does not extend to aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship 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 FAA-approved Leth and Associates Drawing No. OL0064 shall be maintained as part of the permanent records for the modified aircraft. The aircraft must be operated in accordance with Leth and Associated FAA-approved Flight Manual Supplement, Report No. OL0061.

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