

Supplemental Type Certificate

Number ST00334LA

This Certificate issued to Teledyne Controls
501 Continental Boulevard
El Segundo, CA 90245

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.*

**for certification basis see TCDS A20WE*

Original Product Type Certificate Number: A20WE

Make: Boeing

Model: 747-400 Series

Description of Type Design Change: Installation of the Aircraft Communications, Addressing and Reporting System (ACARS) in accordance with FAA Approved Teledyne Controls' Master Data List No. MDL 2231500-14C, Revision IR, dated November 14, 1996, or later FAA approved revisions. Teledyne Controls' FAA Approved Airplane Flight Manual Report No. TDY-ACARS-747-ANA-1, dated December 30, 1996, or later FAA approved revisions is required as part of this installation.

Limitations and Conditions: The approval of this change in type design applies basically to the above-noted airplane model series only. This installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the 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.

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: July 19, 1996

Date reissued: April 18, 1977, October 4, 2012

Date of issuance: December 30, 1996

Date amended:

By direction of the Administrator



(Signature)

Haifa Haj-Eid
Supervisor, Technical and Administrative Support Staff
Los Angeles Aircraft Certification Office

(Title)

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

NOTE:

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THIS PAGE IS FOR PAGE NUMBERING PURPOSES,
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Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.