

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number **ST00715LA**

This Certificate issued to Northrop Grumman Systems Corporation
21240 Burbank Boulevard
Woodland Hills, California 91367-6675

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 Code of Federal Aviation Regulations.*

**(For Certification basis see Type Certificate Data Sheet TCDS A22WE)*

Original Product Type Certificate Number: A22WE

Make: The Boeing Company

Model: DC-10-15 Series

Description of Type Design Change: Installation of single Litton LTN-460 Navigation Management System (NMS) with Global Position System (GPS) capability, in accordance with FAA approved Litton Top Installation Drawing, document no. 454050-12, Revision "E", dated January 20, 1999, or later FAA approved revisions. This Litton Airplane Flight Manual Supplement, document no. 464444, Revision "A", FAA approved on February 19, 1999, or later FAA approved revisions, is required as part of this installation.

Limitations and Conditions: The approval of this modification applies to the above noted airplane model series only. This approval should not be extended to other specific airplanes of this model series on which other approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. If the holder agrees to permit another person 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: May 13, 1999

Date reissued: March 30, 2015, February 22, 2016

Date of issuance: March 30, 1999

Date amended:

Administration:

By direction of the Administrator



(Signature)

Supervisor, Technical & 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.

The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental type certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

TRANSFER ENDORSEMENT

Transfer the ownership of the Supplemental Type Certificate Number _____

to *(Name of transferee)* _____

(Address of transfer) _____
(Number and street)

(City, State, and Zip code)

from *(Name of grantor)* *(Print or type)* _____

(Address of grantor) _____
(Number and street)

(City, State, and Zip code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____