



United States of America
 Department of Transportation
 Federal Aviation Administration
Supplemental Type Certificate
 Number ST02651NY

This certificate, issued to: Delta Engineering Corporation
 13 DRBA Way
 New Castle, Delaware 19720

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.

Original Product — Type Certificate Number: A20WE	Make: Boeing	747-200 Series 747-400 Series
	Model:	

Description of Type Design Change:
 Installation of provisions for navAero Electronic Flight Bags and Universal Aircraft Interface Device (UAID) in accordance with Delta Engineering Master Data List 0107-06750-2217 Revision Q dated Sep. 4, 2014 or later FAA approved revisions to Delta Engineering Master Data List previously listed. The Instructions for Continued Airworthiness and Airplane Flight Manual Supplement as listed on Master Data List is required for this installation.

Limitations and Conditions:

1. If the holder agrees to permit another person to use the certificate to alter the product, the holder shall give the other person written evidence of that permission.
2. Compatibility of this design change with previously approved modifications must be determined by the installer.

(See Continuation Sheet 3)

This certificate and the supporting data which is the basis for approval shall remain in until effect surrendered, suspended, and revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application:	November 12, 2009	Date reissued:	
Date of issuance:	March 5, 2010	Date amended:	August 17, 2010, August 24, 2010 August 20, 2011, September 11, 2014

By direction of the Administrator

Signature:	
Title:	Jonathan E. Moritz ODA Administrator ODA-800728-NE

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplement 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 Supplement Type Certificate Number:

To (Name and address of transferee):

From (Name and address of grantor):

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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Supplemental Type Certificate
 (Continuation Sheet)
 Number ST02651NY
 Date September 11, 2014

Limitations and Conditions:

3. This STC is for provisions of Electronic Flight Bags and operational approval of the carry-on electronic flight bag (portable electronic device) including its battery and applications is not approved by this STC.
4. This STC only includes approval for the navAero Universal Aircraft Interface Device (UAID) for read only with existing aircraft systems.

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, this STC is a non-significant change. The certification basis for un-changed or not affected areas by this STC remains un-changed by this STC and the certification basis for this STC is as follows:

- a. FAA Alternate Method of Compliance 140S-14-89
- b. The following regulations for CFR Part 25 at later amendment than the TCDS all other regulations at certification basis defined in the TCDS:

Section	Title	At Amendment
25.807	Emergency exits	25-114
25.813	Emergency exist access	25-116
25.831	Ventilation	25-116
25.853	Compartment interiors	25-116
25.869	Fire protection; systems	25-113
25.981	Fuel tank ignition prevention	25-102
25.1307	Miscellaneous equipment	25-72
25.1309	Equipment, systems, and installations	25-41
25.1351	General	25-72
25.1353	Electrical equipment and installations	25-113
25.1431	Electronic equipment	25-113
25.1529	Instructions for Continued Airworthiness	25-54
25.1557	Miscellaneous markings and placards	25-72
25.1581	General	25-72
25.1583	Operating limitations	25-105
25.1585	Operating procedures	25-105

c. CFR Part 26:

1. This STC does not require a revision to the Electrical Wiring Interconnect System Instructions for Continued Airworthiness.

Section	Title	At Amendment
§26.11	EWIS	26-0
§26.47	AASR	26-1

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