

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

*Number* SA02946NY

*This certificate issued to* Innovative Solutions & Support  
720 Pennsylvania Drive  
Exton, PA 19341

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.*

*Original Product -- Type Certificate Number:* A00002AC  
*Make:* Eclipse Aerospace  
*Model:* EA500

*Description of Type Design Change:*

Installation of Innovative Solutions & Support - (IS&S) Operational Class Gamma 3 Flight Management System (FMS) Option and dual Beta 3 Global Positioning System (GPS) receivers in accordance with IS&S Master Drawing List, 1D-08570 Revision 4, dated March 18, 2011.

*Limitations and Conditions:*

1. IS&S Instructions for Continued Airworthiness, 1D-08571, Revision 2, dated November 23, 2010, is required for this installation.
2. IS&S Airplane Flight Manual Supplement, 1D-08291, Revision 4, FAA approved on March 28, 2011 is required for this installation.
3. The installer must determine whether this design change is compatible with previously approved modifications.
4. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

(See Continuation Sheet 2 of 2)

*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:* December 18, 2009

*Date reissued:*

*Date of issuance:* March 28, 2011

*Date amended:*

*By direction of the Administrator*



(Signature)

Anthony Socias  
Manager  
New York Aircraft Certification Office

(Title)

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(Continuation Sheet)

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Date of Issue: March 28, 2011

*Limitations and Conditions* (Continued).

5. STC ST02787NY, Electronic Flight Bag, is a prerequisite for the installation of this STC.
6. EAI Service Bulletin 500-99-004, Flight Into Known Icing, is a prerequisite for the installation of this STC.
7. EAI Service Bulletin 500-24-004, Improved Aft Power Distribution Panel, is a prerequisite for the installation of this STC.
8. AFM, p/n 06-122204, Rev 3; QRH, p/n 06-122205, Rev 3; Checklist, p/n 06-122204-003 are a prerequisite for the installation of this STC.
9. EAI Service Bulletin 500-31-108, ACS Software 5.3.06, is a prerequisite for the installation of this STC.
10. Keyboards must be installed and loaded with BIO 4.2 (must match CSP and APC) as a prerequisite for the installation of this STC.
11. EAI Service Bulletin 500-31-020, DSU Software 3.0.54, is a prerequisite for the installation of this STC.
12. EAI Service Bulletin 500-99-002, Avio NG Avionics Package, is a prerequisite for the installation of this STC.
13. EAI Service Bulletin 500-99-005, Avionics Upgrade to Avio NG 1.5 Configuration, is a prerequisite for the installation of this STC.

*Certification Basis:*

The certification basis for the changed Eclipse Aerospace EA500 series aircraft as described in this certificate is as follows:

- a. The type certification basis for Eclipse Aerospace EA500 series airplanes is shown on TCDS A00002AC for parts not changed or not affected by the change..
- b. The certification basis for parts changed or affected by the change since the reference date of application, December 18, 2009, is as shown on Type Certificate Data Sheet A00002AC.

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