

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

*Number* ST02810CH

*This certificate issued to*

West Star Aviation, Inc  
18 Terminal Drive  
East Alton, IL 62024-2254

*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. (See Page 3 for complete certification basis)*

*Original Product--Type Certificate Number:* A9NM

*Make:* Cessna Aircraft Company

*Model:* 650

*Description of Type Design Change:*

Installation of dual Universal Avionics Systems Corporation UNS-1Lw Flight Management Systems with display on existing Universal Avionics EFI-890R Electronic Flight Instrument Systems (EFIS) in accordance with West Star Aviation, Inc. Master Data List, Document 73-318L002, Revision A, dated February 11, 2010, or later FAA approved revision.

*Limitations and Conditions:*

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. FAA Approved Flight Manual Supplement, West Star Aviation Document No. 73-318B010, Revision I/R, approved February 16, 2010 or later FAA approved revision is a required part of this STC.
3. The aircraft must be maintained in accordance with Airworthiness Limitations contained in West Star Aviation Document No. 73-318B011, Revision I/R, Chapter 10, approved December 12, 2009 or later FAA approved revision, in addition to the basic aircraft maintenance manuals.
4. If the holder agrees to permit another person to use this certificate to alter the product, the holder must 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:* October 27, 2009

*Date reissued:*

*Date of issuance:* February 17, 2010

*Date Amended:*



*By direction of the Administrator*

(Signature)

Steven L. Lardinois, Manager  
Systems and Flight Test Branch  
Chicago Aircraft Certification Office

(Title)

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

*Number* ST02810CH

Date of Issuance: February 17, 2010

**Certification Basis (continued)**

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the 650 series aircraft with the installation of Universal Avionics Systems Corporation dual UNS-1Lw Flight Management Systems with display on existing Universal Avionics EFI-890R Electronic Flight Instrument System (EFIS) is as follows:

- a. The type certification basis for 650 series airplanes is shown on TCDS A9NM for parts not changed or not affected by this change.
- b. The certification basis for parts changed or affected by this change since the reference date of application, June 3, 2009, is based upon part 25 as amended by Amendment 25-119. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

**Applicable Regulations at the latest amendment 25-0 through 25-119**

25.301(a); 25.303; 25.305(a), (b); 25.307(a); 25.341(a); 25.365(a), (b), (c), (d); 25.561(c), (d); 25.571(a), (b); 25.581(a), (b), (c); 25.601; 25.603(a), (b), (c); 25.605(a), (b); 25.607(a), (b), (c); 25.609(a), (b); 25.611; 25.613(a), (b), (c), (e), (f); 25.619(a), (b), (c); 25.625(a); 25.869(a4); 25.981(a); 25.1301(a), (b), (c), (d); 25.1307(c); 25.1309(a), (b), (c), (d), (e), (f), (g); 25.1316(a), (b), (c); 25.1322(a), (b), (c), (d); 25.1329(c), (f), (i); 25.1333(a), (b), (c); 25.1351(a); 25.1353(a), (b), (d); 25.1357(a), (c); 25.1381(a), (b); 25.1431(a), (b), (c), (d); 25.1501(a), (b); 25.1529; 25.1581(a), (b), (d); 25.1583(h); 25.1585(a), (b).

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