

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

*Number* **SA02529LA**

*This Certificate issued to* Universal Avionics Systems Corporation  
3260 East Universal Way  
Tucson, Arizona 85756-5021

*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 \*23 of the Federal Aviation Regulations.*  
(\*Certification basis is set forth in Type Certificate Data Sheet and page 3 of this certificate)

*Original Product Type Certificate Number:* A31CE  
*Make:* Hawker Beechcraft  
*Model:* F90

*Description of Type Design Change:* Installation of Dual UNS-1( )w FMS, SCN 1001.X/1101.X/1101.XM, on Beechcraft King Air F90 Aircraft, in accordance with FAA Approved Universal Avionics Master Drawing List, Document No. MDL-2014-1002, Revision "02", dated 19 December 2014, or later FAA approved revision.

FAA Approved Airplane Flight Manual Supplement, Document No. AFMS-2014-1001, Revision "00", dated January 20, 2015, or later FAA approved revision is part of this installation. The Instructions for Continued Airworthiness (ICA) is called out in the above referenced Master Drawing List (MDL).

*Limitations and Conditions:* This approval should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previous 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.

*(Continued On Page 3)*

*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*

*Date of application:* November 22, 2013

*Date reissued:*

*Date of issuance:* January 29, 2015

*Date amended:*



*By direction of the Administrator*

(Signature)

Manager, Systems & Equipment Branch, 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.

INSTRUCTIONS: 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.

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### 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)*: \_\_\_\_\_

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*Limitations and Conditions (Continued)*

This installation requires that the following equipment and associated structures and wiring be installed and FAA approved by acceptable means other than this STC:

Description	Part Number	FAA TSO
SBAS/Sirius Antenna (#1)	P/N 10709	TSO-C190
SBAS Antenna (#2)	P/N 10708	TSO-C190
5" FPCDU (#1, #2)	P/N 1018-( ), SCN 10.X	TSO-C115b, TSO-C129a
Solid State Data Transfer Unit	P/N 1408-( ), SCN 10.X	TSO-C109

*Certification Basis*

Based on 14 CFR §§ 21.115 and 21.101, and FAA order 8110.48, the type certification basis for the Hawker Beechcraft model F90 Installation of Dual UNS-1( )w FMS, SCN 1001.X/1101.X/1101.XM, was determined to be:

**Regulations at the latest amendment 23-0 through 23-62**

23.771(a), 23.1301; 23.1306(b), 23.1308(b)(c), 23.1309; 23.1351(a); 23.1431(a)(b); 23.1529, 23.1581(a)(b)(1)(3)(c)(f), 23.1583(m), 23.1585(j)

**Regulations at an intermediate amendment**

None

**Regulation at the amendment level in TCDS'**

None

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