

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

Number SR09595RC

This certificate issued to Arrow Aviation Co., LLC
1318 Smede Hwy.
Broussard, LA 70518

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 29 of the Federal Aviation Regulations.

Original Product -- Type Certificate Number : H4SW
Make : Bell Helicopter Textron
Model : 412EP

Description of Type Design Change:

Installation of a Chelton Electronic Flight System Inc., Synthetic Vision Electronic Flight Information System (EFIS) for Single Pilot Instrument Flight in Bell Helicopter Model 412EP Helicopter in accordance with Arrow Aviation Co., L.L.C., Master Data List- "FlightLogic EFIS for Bell 412EP Rotorcraft," HF-412EP-MDL-3425, Rev IR, dated February 6, 2012, or later FAA approved revision.

Limitations and Conditions :

1. Compatibility of this modification with other FAA approved modifications, on the specific aircraft being altered, must be evaluated by the installer.
2. 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.
3. FAA Approved Rotorcraft Flight Manual Supplement, Doc. No. HF-412EP-FMS-3425, Revision IR, dated February 10, 2012, or later FAA approved revision is a required part of this installation.
4. For instructions on continued airworthiness reference Instructions for Continued Airworthiness, Doc. No. HR-412EP-ICA-3425, Revision IR, dated January 16, 2012, or later FAA accepted revision.

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 11, 2011

Date reissued : March 2, 2012

Date of issuance : February 10, 2012

Date amended :



By direction of the Administrator

Scott A. Horn
(Signature)
Scott A. Horn, Acting Manager
Rotorcraft Certification Office
Southwest Region

(Title)

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Supplemental Type Certificate
(Continuation Sheet)

Certification Basis

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 Chelton FlightLogic EFIS system installation is as follows:

- a. The type certification basis for the Bell Helicopter Textron, Inc., Model 412EP series helicopters is shown on TCDS H4SW for parts not changed or not affected by this change.
- b. The certification basis for parts changed or affected is based upon 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:

Certification Basis:

FAR Part 29 dated February 1, 1965, Amendment 29-1 and 29-2.

Amendment 12 - 29.1322; Amendment 14 - 29.1335; Amendment 15 - 29.1501 & 29.1581;
Amendment 20 - 29.1529; Amendment 21 - 29.1321; Amendment 24 - 29.1309, 29.1325,
&29.1525; Amendment 42 - 29.1323 & 29.1359; Amendment 44 - 29.1323; Amendment 49 -
29.1317; Amendment 53 - 29.610