

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

*Number* SR02748CH

*This certificate issued to*

Mayday Avionics  
5500 44<sup>th</sup> St, SE  
Grand Rapids, MI 49512

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

*Original Product--Type Certificate Number:*

H1NE

*Make:*

Sikorsky

*Model:*

S-76A, S-76B, S-76C

*Description of Type Design Change:*

Installation of a Honeywell Mark XXII Enhanced Ground Proximity Warning System (EGPWS) in accordance with Mayday Avionics Master Data List, Document No. E08007-3444-L001, Revision A, dated August 10, 2009, 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, Mayday Avionics Document No. E08007-3444-B001, Revision --, approved August 14, 2009 or later FAA approved revision is required onboard the modified aircraft.
3. 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.

*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 29, 2008

*Date reissued:*

*Date of issuance:* September 2, 2009

*Date amended:*



*By direction of the Administrator*

(Signature)

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

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**Supplemental Type Certificate**  
(Continuation Sheet)

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Date of Issuance: September 2, 2009

**Certification Basis (continued)**

Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Sikorsky S-76A, S-76B and S-76C helicopters with the installation of the Honeywell Mark XXII Enhanced Ground Proximity Warning System (EGPWS) is as follows:

- a. The type certification basis for the Sikorsky S-76A, S-76B and S-76C is shown on TCDS H1NE for parts not changed or not affected by this change.
- b. The type certification basis for the parts changed or affected by this change since the reference date of application, May 29, 2008, is based upon Part 29 as amended by Amendment 29-47. Based on 14 CFR §§ 21.101 and 21.115, 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 29-0 through 29-47**

29.301(a), (b); 29.303; 29.305(a); 29.307(a); 29.561(b)(3), (c); 29.601(a); 29.603(a), (b), (c); 29.605(a); 29.609(a); 29.613(a), (b), (c), (d); 29.619(a), (b); 29.625(a); 29.1301(a), (b), (c), (d); 29.1309(b), (c), (d), (f), (g); 29.1321(g); 29.1322(a), (b), (c), (d); 29.1333(c); 29.1351(a); 29.1353(a), (b); 29.1357(a), (c); 29.1359(c); 29.1431(a), (b); 29.1501(a), (b); 29.1529; 29.1585(a)

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