

Supplemental Type Certificate

Number SR00701DE-D

This certificate, issued to **Air Methods Corporation**
7301 South Peoria
Englewood, Colorado 80112

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 27* of the Federal Aviation Regulations. *See Continuation Page 3

Original Product—Type Certificate Number: **R00003RD**

Make: **Bell**

Model: **429**

Description of the Type Design Change:

Installation of a Controllable Searchlight in accordance with Master Drawing List, Air Methods Corporation Document Number 291-9010, Revision IR dated 2/3/2010, or later FAA approved revision.

Limitations and Conditions:

1. The installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft.
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. A copy of this certificate and FAA Approved Rotorcraft Flight Manual Supplement, Air Methods Corporation Document Number 080-0468, Rev IR dated 3/15/2010, or later FAA approved revision must be maintained as part of the permanent records for the modified rotorcraft.

(Limitations and Conditions continued on page 3 of 3)

This certificate and the supporting data which is the bases 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 13, 2009**

Date reissued:

Date of issuance: **March 15, 2010**

Date amended:



By direction of the Administrator

Handwritten signature of Greg R. Voorhies.

Greg R. Voorhies (Signature)
ODA administrator, Air Methods Corporation
ODA-635841-NM

(Title)

Supplemental Type Certificate

(Continuation Sheet)

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Limitations and Conditions (Continued):

4. Instructions for Continued Airworthiness (ICA), Air Methods Corporation Document Number 050-0537 Revision A dated 2/23/2010, or later FAA accepted revision must be made available to the operator at the time of installation.

Certification Basis:

The certification basis for this modification is as follows:

In accordance with Type Certificate Data Sheet, R00003RD, Rev 0, dated June 30, 2009; For approved MGW configuration of 3175 kg (7000 lb.)

a) Title 14 part 27, dated October 2, 1964, amendment 27-1 through 27-40 including Appendix B criteria for instrument flight and Appendix C criteria for Category A performance, plus Compliance with the following additional requirements has been established: 14 CFR part 27, Amendment 27-44

b) Title 14 part 36 Amendment 36-1 through 36-28

c) Equivalent Safety Findings:

Number TC2486RD-R/A-2

14 CFR part 27.307(b)(5) Proof of Structure Landing Gear Drop Test

14 CFR part 27.723 Landing Gear Shock Absorption Tests

14 CFR part 27.725 Landing Gear Limit Drop Test

14 CFR part 27.727 Landing Gear Reserve Energy Absorption Drop Test

Number TC2486RD-R/S-2

14 CFR part 27 Appendix B VIII (b)(5)(i) Equipment, systems, and installations

14 CFR part 27 Appendix B VIII (b)(5)(ii) Equipment, systems, and installations

Number TC2486RD-R/F-2

14 CFR part 27.1545(b)(2) Airspeed Indicator

Number TC2486RD-R/P-1

14 CFR part 29.903(b) as required by 14 CFR part 27 Appendix C, Category A Engine Isolation

d) Special Condition made in accordance with FAR part 21.16 is as follows:

No. 27-017-SC Bell Helicopter Textron Canada Limited Model 429 Helicopters High Intensity Radiated Fields (HIRF), dated December 28, 2007.

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