

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

*Number* ST03886AT

*This certificate issued to* Jetaire Aerospace, LLC  
1170 Peachtree St., Suite 1200  
Atlanta, GA 30309

*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.*

*Original Product - Type Certificate Number :* A6WE  
*Make :* McDonnell Douglas  
*Model :* DC-9 -87

*Description of Type Design Change:*  
Modification of auxiliary fuel tank system previously installed per PATS auxiliary fuel tank systems certificated under STC ST00523NY by installing Reticulated Polyurethane Foam (RPF) inside the tanks as an ignition mitigation means (IMM) and demonstrating compliance to SFAR 88, in accordance with the following:

(See continuation sheet 3 of 3)

*Limitations and Conditions:* FAA approved Airplane Flight Manual Supplement (AFMS) and FAA approved Instructions for Continued Airworthiness, 9021C0013, are part of this STC. Future ICA revisions must be approved by the Atlanta Aircraft Certification Office. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved

(See continuation sheet 3 of 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 of the Federal Aviation Administration.*

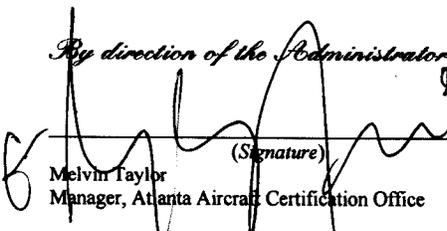
*Date of application :* August 15, 2009

*Date reissued :*

*Date of issuance :* October 15, 2010

*Date amended :*



*By direction of the Administrator*  
  
(Signature)  
Melvin Taylor  
Manager, Atlanta 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)

*Number* ST03886AT

Date of Issuance: October 15, 2010

*Description of Type Design Change* (Continued):

Tank Modification per Jetaire Aerospace, LLC Top Drawing 9027C0014, Rev 1, dated: 9/29/2010, or later FAA approved revisions.

Tank Installations per Jetaire Aerospace, LLC Master Drawing List 9027C0012, Rev 7, dated: 9/29/2010, or later FAA approved revisions.

*Limitations and Conditions* (Continued):

modifications will produce no adverse effect upon the airworthiness of that airplane.

**Certification Basis:**

Based on 14CFR § 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Boeing DC-9-87 series aircraft is as follows:

- a. The type certificate basis is shown on TCDS, A6WE for parts **not changed or not affected** by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application, August 15, 2009, is based upon part 25 as amended by Amendment 25-125 with the exception of ignition source prevention requirements identified as part of Special Federal Aviation Regulation (SFAR) 88 as identified below. 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:

**Regulations at the latest amendment 25-0 through 25-125**

25.901, 25.959, 25.981, 25.1519, 25.1529, 25.1541, 25.1585

**Ignition Prevention Compliance to SFAR 88 and regulations at an intermediate amendment**

25.901, 25.981(a),(b) Amendment 25-102 for all design changes required to comply with SFAR 88

**14 CFR Part 26 Regulations**

Based on 14 CFR § 21.101(g), applicable provisions of 14 CFR part 26 are included in the certification basis. For any future 14 CFR part 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections. As of the issuance date of this STC, compliance has been found for the following regulations: 14 CFR § 26.11.

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."

**END**