

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

Number ST01136LA

This Certificate issued to:

AeroMech Incorporated
1616 Hewitt Avenue; Suite 312
Everett, WA 98201

certifies that the change in the type design for the following product with the limitations and conditions therefore 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-9-30/-40/-50 Series

Description of Type Design Change:

Group aircraft approval for Reduced Vertical Separation Minimum (RVSM) in accordance with Master Data List, document AM0023-DL02-00, Revision: —, dated February 22, 2012 (or later FAA-approved revision).

Limitations and Conditions:

For Class 1, Class 2, and Class 3 airframes, the Instructions for Initial and Continued Airworthiness (IICA), document AMI-STC-DC930, Revision: M, dated October 3, 2011 (or later FAA-accepted revision) is a required part of this STC.

The Airplane Flight Manual Supplement (AFMS) for McDonnell Douglas Class 1 airframes, document DC9-01-30S-1, Revision: Original, FAA-approved March 1, 2001 (or later FAA-approved revision) is required on-board for operation of these aircraft.

The AFMS for McDonnell Douglas Class 2 airframes, document DC9-01-30S-2, Revision: Original, FAA-approved March 1, 2001 (or later FAA-approved revision) is required on-board for operation of these aircraft.

The AFMS for McDonnell Douglas Class 3 airframes, document DC9-01-30S-3, Revision: Original, FAA-approved February 26, 2002 (or later FAA-approved revision) is required on-board for operation of these aircraft.

(Limitations and Conditions 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 of the Federal Aviation Administration.

Date of application: June 8, 1999

Date reissued:

Date of issuance: March 7, 2001

Date amended: March 28, 2003;
March 12, 2004; February 29, 2012



By direction of the Administrator

(Signature)

ODA Administrator

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47

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Limitations and Conditions Continued:

For Class 4 airframes, the IICA, document AMI-STC-DC9-C4, Revision: E, dated October 3, 2011 (or later FAA-accepted revision) is a required part of the STC.

The AFMS for McDonnell Douglas DC-9-30/-40 Class 4 airframes, document AMI-03-DC934S-4, Revision: B, FAA-approved March 17, 2005 (or later FAA-approved revision) is required on-board for operation of these aircraft.

The AFMS for McDonnell Douglas DC-9-50 Class 4 airframes, document AMI-03-DC95S-4, Revision: B, FAA-approved March 17, 2005 (or later FAA-approved revision) is required on-board for operation of these aircraft.

For Class 5 airframes, the IICA, document AMI-DC9-IICA-0401, Revision: A, dated October 3, 2011 (or later FAA-accepted revision) is a required part of the STC.

The AFMS for McDonnell Douglas DC-9-30/-40 Class 5 airframes, document AMI-03-DC934S-5, Revision: Original, FAA-approved March 12, 2004 (or later FAA-approved revision) is required on-board for operation of these aircraft.

The AFMS for McDonnell Douglas DC-9-50 Class 5 airframes, document AMI-03-DC95S-5, Revision: Original, FAA-approved March 12, 2004 (or later FAA-approved revision) is required on-board for operation of these aircraft.

For Class 6 airframes, the IICA, document AM0023-IC01-00, Revision: —, dated October 3, 2011 (or later FAA-accepted revision) is a required part of the STC.

The AFMS for McDonnell Douglas DC-9-30/-40 Class 6 airframes, document AM0023-FM01-00, Revision: —, FAA-approved February 22, 2012 (or later FAA-approved revision) is required on-board for operation of these aircraft.

The AFMS for McDonnell Douglas DC-9-50 Class 6 airframes, document AM0023-FM01-01, Revision: —, FAA-approved February 22, 2012 (or later FAA-approved revision) is required on-board for operation of these aircraft.

The installer must determine if this design change is compatible with previously approved modifications.

Descriptive data pertaining to this design change are considered inadequate for duplication on other products. This approval is limited to McDonnell Douglas models DC-9-30/-40/-50 aircraft only.

A copy of this certificate must be maintained as part of the permanent records of the aircraft. If the holder agrees to permit another person to use this certificate, the holder shall give the other person written evidence of the permission.

(Certification Basis on page 4)

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Certification Basis:

The certification basis for the changed McDonnell Douglas models DC-9-30/-40/-50 Series aircraft in this certification is as follows:

1. The type certification basis for McDonnell Douglas models DC-9-30/-40/-50 Series aircraft is shown on TCDS A6WE for part **not changed or affected** by the change.
2. The certification basis for parts **changed or affected** by this change since the reference application, July 18, 2011, is based on 14 CFR part 25 as amended by Amendment 25-134.

Regulations complied with through amendment 25-134

25.1301(a)(1); 25.1525; 25.1529; 25.1581(a)(1)(2)(3), (b), (d); 25.1583(e); 25.1585(a)(1)(2)(3), (b); 25.1587(b)(6);

Based on 14 CFR §21.101(g), applicable provisions of 14 CFR part 26 are included in this certification basis. For any future 14 CFR part 26 amendments, the holder of this STC must demonstrate compliance with applicable sections. As of this STC amendment, compliance has been found for 14 CFR 26.11 Amendment 26-0.

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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.

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): _____