

Subject: Alternative Method of Compliance for AD 2008-16-15
Aircraft Type: Eclipse 500 and Eclipse 550®
Effectivity: All Aircraft
Applicability: All Aircraft

1. SUMMARY

This SIL provides information regarding an Alternative Method of Compliance (AMOC) for Airworthiness Directive (AD) 2008-16-15.

2. AD BACKGROUND

AD 2008-15-16 superseded emergency AD 2008-13-51 issued for Eclipse Aviation Corporation on June 12, 2008. AD 2008-16-15 was issued to alert Eclipse owners/operators to the following unsafe condition:

"Exceeding the throttle position signal maximum range could cause loss of left and right engine control, which could result in the inability to maintain desired airspeed and/or altitude with consequent loss of control."

3. AMOC BACKGROUND

What is an Alternative Method of Compliance (AMOC) for an Airworthiness Directive (AD)?

Different approaches or techniques that are not specified in an AD can, after FAA approval, be used to correct an unsafe condition on an aircraft or aircraft product. Although the alternative may not have been known at the time the AD was issued, an alternative method could be acceptable to accomplish the intent of the AD.

Who has the authority to approve an AMOC?

Each AD will state which office within the FAA Aircraft Certification Service is responsible for that AD. The manager of the responsible office has the authority to approve an AMOC, including different compliance times, for the requirements of the specific AD. One of the FAA Aircraft Certification Offices will have responsibility for AMOC approvals for a product manufactured in the United States.

4. ECLIPSE ACTION

Based on data supplied by Eclipse Aerospace, the FAA has accepted Eclipse Service Bulletin 500-76-002, Revision B, dated August 26, 2014, as an AMOC and closing action to AD 2008-16-15, dated August 7, 2008. Please see the attached AMOC approval letter dated October 23, 2014 for the limitations and notifications required.

Service Bulletin 500-76-002 installs updated FADEC software. Tooling and software to install the FADEC software update are available at all Eclipse Aerospace Authorized Service Centers.

5. SUGGESTED OPERATOR ACTION

Operators are encouraged to schedule the upgrade with their preferred Eclipse Aerospace Authorized Service Center as soon as possible.

INFORMATIONAL — This service letter is for informational purposes only.

6. EXPORT CONTROL

These commodities, technology or software, were exported from the United States in accordance with the Export Administration Regulations. These commodities, technology or software are intended for use only in the End User's country. An export license from the U.S. Department of Commerce may be required before these products can be re-exported, transferred, transshipped on a non-continuous voyage, or otherwise disposed of in any other country, either in their original form or after being incorporated into an end item. Diversion of this end-item or its use contrary to any applicable U.S. government license or to U.S. law is prohibited.

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U.S. Department
of Transportation

**Federal Aviation
Administration**

Small Airplane Directorate
Chicago Aircraft Certification Office
2300 E. Devon Avenue
Des Plaines, IL 60018

October 23, 2014

Mr. Chris Jackman
Eclipse Aerospace Inc.
East Palatine Road
Wheeling, IL 60090

Dear Mr. Jackman,

This letter replaces and supplements our letter to you dated October 10, 2014 in which we granted approval for an Alternative Method of Compliance (AMOC) for Airworthiness Directive (AD) 2008-16-15 that incorporates by reference Eclipse Service Bulletin (SB) 500-76-002. You proposed a global AMOC allowing use of Eclipse Service Bulletin 500-76-002. Revision B, dated August 26, 2014 as a closing action for the AD 2008-16-15.

Based on the data you provided with your request, the Federal Aviation Administration considers your proposal to be acceptable to the requirements of this AD subject to a conformity inspection performed in accordance with 14 Code of Federal Regulations (CFR) Part 43.7. Accordingly, we accept use of Eclipse Service Bulletin 500-76-002. Revision B, dated August 26, 2014 in the manner described above as an AMOC to AD 2008-16-15.

In accordance with FAA Order 8100.103A, we are including the following statement in this approval:

“Before using this AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.”

This FAA AMOC is transferable with the aircraft to an operator who operates the aircraft under U.S. registry.

This approval is also subject to the following conditions: The Chicago Aircraft Certification Office (ACO) will revoke this AMOC if the Chicago ACO later determines that this AMOC does not provide an acceptable level of safety.

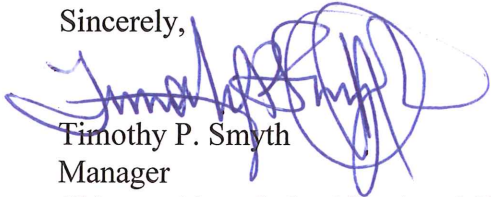
All provisions of FAA AD AD 2008-16-15 that are not specifically referenced above remain fully applicable and must be complied with accordingly.

This AMOC only applies to the FAA AD listed above. The FAA does not have the authority to approve this as an AMOC to any AD issued by another civil aviation authority (CAA).

Approval of an AMOC to another CAA's AD must come from the CAA of the State of Registry. A copy of this response will be forwarded to the CAA where these aircraft are registered for their consideration.

If you have any questions or need additional information, please contact Scott Fohrman at (847) 294-7136, fax (847) 294-7834, or electronic mail at scott.fohrman@faa.gov.

Sincerely,



Timothy P. Smyth
Manager
Chicago Aircraft Certification Office