

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

Number ST00266BO

This Certificate issued to BAE Systems Information and Electronic Systems Integration Inc.
65 Spit Brook Road
Nashua, NH 03061

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: A21NM
Make: EADS CASA (formerly known as Construcciones Aeronauticas, S.A.)
Model: CN-235-300

Description of Type Design Change:

Installation of a BAE Systems AN/AAR-57 Missile Warning System with an AN/ALE-47 Threat Adaptive Countermeasures Dispensing System in accordance with BAE Systems' Master Document List 94117-8484728, Revision IR, dated January 30, 2013, or later FAA-approved revision.

Limitations and Conditions:

1. Operation must be in accordance with BAE Systems Aircraft Flight Manual Supplement (AFMS) 94117-A78768, Revision IR, dated December 10, 2012, or later FAA approved revision.

The AFMS must be carried in the aircraft during all flights.

(Limitations and Conditions continued on Page 2 of 4)

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 18, 2007

Date reissued: February 28, 2008; March 22, 2012

Date of issuance: February 15, 2008

Date amended: August 05, 2010
March 26, 2013



By direction of the Administrator

(Signature)

Robert G. Mann
Manager
Boston Aircraft Certification Office

(Title)

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March 26, 2013

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of the 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 Supplemental Type Certificate Number _____

to (*Name of transferee*) _____

(*Address of transferee*) _____

(*Number and street*)

(*City, State, and ZIP code*)

from (*Name of grantor*) (*Print or type*) _____

(*Address of grantor*) _____

(*Number & street*)

(*City, State, and ZIP code*)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor (*In ink*): _____

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Limitations and Conditions: (continued from Page 1 of 4)

2. Maintenance must be in accordance with BAE Systems Instructions for Continued Airworthiness (ICA) Document Number 94117-A78767, Revision IR, dated December 20, 2012, or later FAA accepted revision.
The ICA must be made available to the operator at the time of installation.
3. Electrical Wiring Interconnection Systems (EWIS) Maintenance must be in accordance with BAE Systems' EWIS Supplement to the Instructions for Continued Airworthiness (ICA) Document Number 94117-A43392, Revision B, dated July 22, 2010, or later FAA approved revision.
The EWIS ICA must be made available to the operator at the time of installation.
4. The FAA certification of this installation is limited to the evaluation of the Missile Warning System (MWS) and Countermeasures System (CMS) installation's effects on the safe operation of the aircraft. The FAA certification does not connote FAA endorsement of the deployment of anti-missile devices (flares or chaff) or the effectiveness of the equipment in countering a Man Portable Air Defense System (MANPADS) or a Surface-to-Air Missile (SAM) threat.
5. Loading of the countermeasures decoy magazine is not authorized by this STC.
6. Compatibility of this design with previously approved modifications must be determined by the installer.

Certification Basis:

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 the EADS CASA (formerly known as (Construcciones Aeronauticas, S.A.) aircraft with BAE Systems AN/AAR-57 Missile Warning System with an AN/ALE-47 Threat Adaptive Countermeasures Dispensing System installed is as follows (the change is determined to be **not significant**):

- a. The type certification basis for EADS CASA (formerly known as Construcciones Aeronauticas, S.A.) aircraft is shown on TCDS A21NM for parts **not changed or not affected** by the change.
- b. The certification for parts **changed or affected** by the change, as of the May 18, 2007 application date, is based upon part 25 as amended by Amendment 25-116 with:

14 CFR Regulations at the latest amendment level 25-0 through 25-116

25.29, 25.143, 25.177, 25.251, 25.301-25.307, 25.321, 25.365, 25.561, 25.571, 25.581, 25.601 – 25.619, 25.623, 25.625, 25.773, 25.789, 25.1301, 25.1309, 25.1316, 25.1322, 25.1351, 25.1353, 25.1357, 25.1381, 25.1431, 25.1501, 25.1529, 25.1541, 25.1581, 25.1583, 25.1585

The certification for parts changed or affected by the amended change, as of the March xx, 2013 application date, is based upon part 25 as amended by Amendment 25-123 with:

14 CFR Regulations at the latest amendment level 25-0 through 25-123

25.869, 25.1713, 25.1729

(Certification Basis continued on Page 4 of 4)

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Certification Basis: (continued from page 3 of 4)

14 CFR Regulations at an intermediate amendment level (amendment level between TCDS A21NM and the latest amendment level 25-0 through 25-116)

None

14 CFR Regulations at the amendment level in TCDS A21NM

None

- c. 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 March 26, 2013 amendment date of this STC, compliance has been found for 14 CFR § 26.11 (Amdt. No. 26-0) and for 14 CFR § 26.47 (Amdt. No. 26-1).

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.

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