

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

Number ST02404CH

This certificate issued to
Armstrong Aerospace
1437 Harmony Court
Itasca, IL 60143

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. (See Page 3 of 3 for complete certification basis.)

Original Product--Type Certificate Number: A28NM
Make: Airbus
Model: A318-111, -112;
A319-111, -112, -113, -114, -115, -131, -132, -133;
A320-111, -211, -212, -214, -231, -232, -233;
A321-111, -112, -131, -211, -231

Description of Type Design Change:

Activation of Honeywell Runway Awareness & Advisory System (RAAS) in accordance with Armstrong Aerospace Master Data List, Doc. No. DC104-4042-00, Revision F, dated December 05, 2014, or later FAA approved revision.

Limitations and Conditions:

- 1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- 2) FAA Approved Airplane Flight Manual Supplement as identified in Armstrong Aerospace Master Data List, Doc. No. DC104-4042-00, Revision F, dated December 05, 2014, or later FAA approved revision, is required on board the modified aircraft.
- 3) 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.

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: October 19, 2006

Date reissued:

Date of issuance: April 4, 2007

Date amended: December 16, 2014



By direction of the Administrator

(Signature)

Brenda L. Litchfield
ODA Administrator
Envoy Aerospace, LLC ODA-831240-CE

(Title)

United States of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number ST02404CH

Date of issuance: April 4, 2007

Date amended: December 16, 2014

Certification Basis:

The certification basis for the changed Airbus Models A318-111, -112; A319-111, -112, -113, -114, -115, -131, -132, -133; A320-111, -211, -212, -214, -231, -232, -233; and A321-111, -112, -131, -211, -231 aircraft as described in this certificate is as follows:

- a. The type certification basis for the Airbus Models A318-111, -112; A319-111, -112, -113, -114, -115, -131, -132, -133; A320-111, -211, -212, -214, -231, -232, -233; and A321-111, -112, -131, -211, -231 aircraft is shown on TCDS A28NM for parts not changed or not affected by this change.
- b. The certification basis for the parts changed or affected by this change since the reference date of application, October 19, 2006, is shown on TCDS A28NM. In addition, the applicant has complied with 14 CFR Part 25 as amended by Amendment 25-119 and 14 CFR Part 26 amended by Amendment 26-1.

Master Data List DC104-4042-00, Installation Configuration Group 1

Regulations at the latest amendment 25-0 through 25-119

25.1301(a)-(d); 25.1309(b)-(d) (g); 25.1501(a)-(b); 25.1529; 25.1581(a), (b), (d); 25.1585(a)-(b).

Master Data List DC104-4042-00, Installation Configuration Group 2

Regulations at the latest amendment 25-0 through 25-119

25.853(a); 25.869(a); 25.981(a); 25.1301(a)-(d); 25.1309(b)-(d) (g); 25.1353(a)(b)(d); 25.1431(c); 25.1501(a)-(b); 25.1529; 25.1581(a), (b), (d); 25.1585(a)-(b).

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 latest amendment date of this STC, compliance has been found for the following regulations: 14 CFR §§ 26.11(c) [Amdt. No. 26-0]; 26.47(c) [Amdt. No. 26-1]. This modification does not affect or create fatigue critical baseline structure.

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