

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

*Number* ST02313CH

*This certificate issued to*  
Astronics 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:* A319-112; A319-114, A319-115; A320-214

*Description of Type Design Change:*

Installation of Satellite TV System Provisions in accordance with Armstrong Aerospace Master Data List, Doc. No. DC104-3101-00, Revision Y, dated May 26, 2015, 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) The equipment for which these provisions are intended has not been certified. Additional FAA approval is required for the installation of this equipment and must be evaluated to assure satisfactory compliance with the applicable airworthiness standards.
- 3) The Airworthiness Limitations contained in Section 2 of Armstrong Aerospace Instructions for Continued Airworthiness Doc. No. DC113-3101-00 Revision E, Dated May 26, 2015, and FAA approved May 29, 2015, or later FAA approved revisions are required for this modification.
- 4) 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:* September 2, 2004

*Date reissued:*

*Date of issuance:* July 21, 2006

*Date amended:* March 14, 2007; May 20, 2008; May 14, 2012, May 29, 2015



*By direction of the Administrator*

(Signature)

Steven L. Lardinois  
Manager, Systems and Flight Test Branch  
Chicago 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* ST02313CH

*Date amended:* March 14, 2007; May 20, 2008; May 14, 2012, May 29, 2015

*Certification Basis:*

The certification basis for the changed Airbus A319-112, A319-114, A319-115, and A320-214 aircraft as described in this certificate is as follows:

- a. The type certification basis for the Airbus A319-112, A319-114, A319-115, and A320-214 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, September 2, 2004, is shown on TCDS A28NM. In addition, the applicant has complied with 14 CFR Part 25 as amended through Amendment 25-117 and 14 CFR Part 26 amended by Amendment 26-1.

**Regulations at the latest amendment 25-0 through 25-117**

25.1; 25.23(a)-(b); 25.29(a)-(b); 25.251(a)-(e); 25.301(a)-(c); 25.303; 25.305(a)-(b); 25.307(a); 25.365(a)-(g); 25.561(c); 25.571(a)-(e); 25.581(a)-(c); 25.601; 25.603(a)-(c); 25.609(a)-(b); 25.611; 25.613(a)-(e); 25.625(a); 25.869(a); 25.1301(a)-(c); 25.1309(a); 25.1353(c); 25.1431(c); 25.1501(a); 25.1529.

**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: 26.11(c), 26.47(c) [Amdt. No. 26-1].

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