

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

Number ST04131CH

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 therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations. (See Page 3 for complete certification basis)

Original Product--Type Certificate Number: A28NM
Make: Airbus
Model: A318 Model-111, A318 Model-112, A318 Model-121, A318 Model-122

Description of Type Design Change:

Installation of a Zodiac RAVE In-Flight Entertainment System in accordance with StandardAero Master Data List DC104-9739-00, Revision (B), dated October 11, 2016 or later FAA approved revision.

Limitations and Conditions:

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. FAA Approved Airplane Flight Manual Supplement document number DC303-9739-00, Rev (-) dated September 28, 2016, or later FAA approved revision is a required part of this modification.
3. The aircraft must be maintained in accordance with FAA approved Instructions for Continued Airworthiness/EWIS Source Document DC113-9739-00, revision (A) dated September 19, 2016 or later FAA approved revision in addition to the basic airplane maintenance manuals.
4. If the holder agrees to permit another person to use this certificate to alter the product, the holder must 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: August 17, 2016

Date reissued:

Date of issuance: October 12, 2016

Date amended:



By direction of the Administrator

(Signature)

Tim Winiesdorffer, ODA Administrator
Standard Aero, Springfield, IL
ODA-100079-CE

(Title)

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 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 and street)

(City, State, and Zip code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor (In ink): _____

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

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

Supplemental Type Certificate Number: ST04131CH

Date of issuance: October 12, 2016

Date of amendment:

Date of reissue:

Certification Basis (continued)

Based on 14 CFR §§ 21.115, 21.101 and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Airbus A318 Model-111, A318 Model-112, A318 Model-121, A318 Model-122 aircraft, Installation of a Zodiac RAVE In-Flight Entertainment System is as follows:

- a. The type certification basis for Airbus A318 Model-111, A318 Model-112, A318 Model-121, A318 Model-122 aircraft is shown on TCDS A28NM for parts **not changed or not affected** by the change.
- b. The certification basis for parts **changed or affected** by the change since the reference date of application, August 17, 2016 is based upon TCDS A28NM. 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 this modification was determined to be:

Regulations at the amendment level in TCDS A28NM:

25.1(a, b), 25.301(a, b)(25-23), 25.303(25-23), 25.305(a-c)(25-86), 25.307(a)(25-54)
25.561(a, b, d)(25-23), 25.571(a, b)(25-86), 25.601, 25.603(a-c)(25-46), 25.605(a)(25-46)
25.607(a-c)(25-23), 25.609(a), 25.611(25-23), 25.613(a, b)(25-46), 25.619(a-c)(25-23)
25.625(a)(25-23), 25.789(a)(25-46), 25.853(a)(25-83), 25.1301(a-d), 25.1307(c)(25-54)
25.1309(a, b, d, g)(25-41), 25.1351(a1, a2)(25-41), 25.1353(a, b)(25-42), 25.1357(a, c, d)
25.1359(d)(25-32), 25.1431(a, c), 25.1501(a, b)(25-42), 25.1519, 25.1529(25-54), 25.1541(a, b)
25.1581(a, b, d)(25-42)

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 issuance date of this STC, compliance has been found for the following regulations 14 CFR §§ 26.5, (Amdt. No, 26.5), 26.11(c), (Amdt. No, 26-0) 26.47 (c), (Amdt. No, 26-1).

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