

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

*Number* ST02143LA

*This Certificate issued to* **PATS Aircraft, LLC**  
**21652 Nanticoke Avenue**  
**Georgetown, DE 19947**

*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. \*Certification basis set forth on continuation sheet 3.*

*Original Product Type Certificate Number:* A28NM

*Make* Airbus

*Model* A320 Model -214

*Description of Type Design Change:* Installation of AirCell ST3100 Iridium SATCOM System in accordance with Hollingsead International Master Data List 2987-01, Revision NC, dated May 23, 2008, or later FAA approved revision.

FAA Approved Flight Manual Supplement, document number 2987-AFM Revision NC dated May 23, 2008, or later FAA approved revision is required.

*Limitations and Conditions:* This modification may not be installed after June 7, 2010 unless (1) previously approved Electrical Wiring Interconnection System (EWIS) instructions for continued airworthiness (ICA) have been evaluated and determined to be adequate for this installation by the FAA or (2) revised EWIS ICA have been approved by the Los Angeles Aircraft Office. (Refer to § 26.11) This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any of those previously approved modifications will not introduce any adverse effect upon the airworthiness of that aircraft.

Limitations and Conditions continued on Page 3

*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:* February 7, 2008

*Date reissued:* June 5, 2009

*Date of issuance:* May 28, 2008

*Date amended:*



*By direction of the Administrator*

*Hafsa Haj-Sid*  
(Signature)

Supervisor, Technical & Administrative Support Staff  
Los Angeles 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* ST02143LA

*Certification Basis*

Based on 14 CFR §§ 21.115 and 21.101 for non-significant change to the type design, the certification basis elected by the STC holder for the installation of the AirCell ST3100 Iridium SATCOM system on the Airbus A320 Model -214 is as follows:

- a. The type certification basis for the A320 Model -214 airplanes 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 this change as of the reference date of application, February 7, 2008, is based upon part 25 as amended by Amendment 25-115. Based on 14 CFR §§ 21.115 and 21.101, the certification basis for this modification was elected to be:

**Regulations at the latest amendment 25-0 through 25-115**

25.23(b), 25.29(b), 25.111(c)(3), 25.119, 25.121, 25.123, 25.301, 25.303, 25.305(a), 25.307(a), 25.561(a)(b)(c)(d), 25.571(a)(b), 25.601, 25.603, 25.605, 25.609(a), 25.611, 25.613, 25.619, 25.623, 25.625(a)(b)(c), 25.771(a), 25.773(a)(2), 25.777(a)(c), 25.785(g), 25.789(a), 25.853(a), 25.869(a)(4), 25.1301, 25.1307(c)(d), 25.1309, 25.1316, 25.1351(a), 25.1353(a)(b)(d), 25.1355(a)(c), 25.1357(a)(c)(d), 25.1381, 25.1419(a), 25.1431, 25.1529, 25.1541, 25.1581(a), 25.1585(a), 25.1587, Appendix F.

**Regulations at the amendment level in TCDS A28NM**

25.23(b), 25.123, 25.301, 25.303, 25.601, 25.603, 25.605, 25.609(a), 25.611, 25.613, 25.619, 25.623, 25.771(a), 25.777(a)(c), 25.789(a), 25.1301, 25.1309, 25.1355(a)(c), 25.1357(a)(c)(d), 25.1529, 25.1541

*Limitations and Conditions (Continued)*

A copy of this STC must be included in the permanent record of the modified aircraft. 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.

Note 1. This installation has been determined to be a "no acoustical change" as defined in 14 CFR 21.93(b).

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