

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

Number ST02175NY

This certificate issued to BaySys Technologies, llc
 27 Market Street
 Onancock, VA 23417

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 : A16WE

Make : Boeing

Model : 737-700IGW

Description of Type Design Change:

Installation of Honeywell MCS-7000 SATCOM, Aerial View tail mounted camera, and replacement of six seats in accordance with Master Drawing List ENG-347-MDL, Revision E, dated September 19, 2005.

Limitations and Conditions :

1. Gore Instructions for Continued Airworthiness, Manual Number GDC-347-IFCA, Rev. A, dated August 2, 2005, or later FAA approved revision is required for this installation.
2. Descriptive data pertaining to this design change are considered inadequate for duplication in other products. This approval is limited to only the installation made in Boeing 737-700IGW, Serial Number 29139. This STC does not permit manufacturing of parts for multiple installations.
3. Exemption Nos. 6820 and 6820A, have been granted from 25.785 (h) (2), 25.807 (d) (7), 25.812 (e), 25.813 (e) and 25.853 (d).
4. STC ST09841SC is required for this installation

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 31, 2005

Date reissued :

Date of issuance : November 07, 2005

Date amended :



By direction of the Administrator

[Handwritten Signature]

(Signature)

f

Anthony Scocias
 Manager
 New York 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.

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

Number ST02262NY

This certificate issued to BaySys Technologies LLC
27 Market Street
Onancock, VA 23417

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 : A16WE

Make : Boeing

Model : 737-700IGW

Description of Type Design Change:

Configuration A:

Installation of Cabin Interior Modifications and Custom Control Concepts' Cabin Management System/In-Flight Entertainment (CMS/IFE) system in accordance with BaySys Technologies, LLC., Master Data List 8045-ED-1067-1, Revision I, dated May 24, 2006.

Configuration B:

Installation of a Honeywell MCS-7000 SATCOM with Chelton HGA-7000 Antenna systems in accordance with BaySys Technologies, LLC., Master Data List 8045-ED-1067-3, Revision I, dated May 24, 2006.

Limitations and Conditions :

Configuration A:

1. The installation of STCs ST09840SC, ST09841SC, ST09980SC and ST02175NY are required for this modification.

(See Continuation Sheet 2)

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.

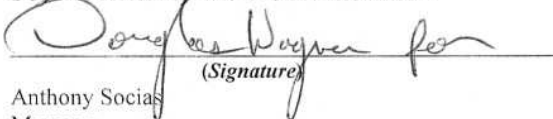
Date of application : November 03, 2005

Date of issuance : May 24, 2006

Date reissued :

Date amended :

By direction of the Administrator


(Signature)

Anthony Socias
Manager
New York Aircraft Certification Office

(Title)



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

Number ST02262NY

Date of Issuance May 24, 2006

Limitations and Conditions (Continued):

2. Maximum passenger seating capacity is limited to 14.
3. Certification Basis:
 Based on 14 CFR §§ 21.115 and 21.101, and the FAA Order 8110.48, the certification basis for the Boeing 737-700IGW executive interior conversion is as follows:
 - a. The type certification basis for Boeing 737-700IGW airplanes is shown on TCDS A16WE for parts **changed or affected**.
 - b. Exemptions No. 6820, dated October 5, 1998 and No. 6820A, dated February 17, 1999 have been granted for this aircraft.
1. The utilization of this aircraft, when configured with this STC, is limited to "private, not for hire or common carriage use." This limitation was a condition for granting exemptions Nos. 6820 and 6820A for this model aircraft.

Configuration B:

1. Certification Basis:
 Based on 14 CFR §§ 21.115 and 21.101, and the FAA Order 8110.48, the certification basis for the Boeing 737-700IGW is as shown on TCDS A16WE for parts **changed or affected**.

Configurations A and B:

1. The following Baysys Technologies Maintenance Instructions are required for this Installation:
 - a. Instructions for Continued Airworthiness, Document No. 8045-ED-1056, Revision C, dated May 5, 2006 or later FAA approved revisions.
 - b. Airworthiness Limitations Supplement, Document No. 8045-ED-1059, Revision A, dated January 4, 2006 or later FAA approved revisions.
 - c. Maintenance Manual Supplement, Document No. 8045-ED-1054, Revision E, dated May 16, 2006 or later FAA approved revisions.
2. This modification has been evaluated in accordance with AC120-42A, paragraph (8). This installation has no adverse effect on the previously approved ETOPS capability of the type-certificated aircraft. This finding does not constitute approval to conduct extended range operations.
3. Compatibility of this design change with previously approved modifications must be determined by the installer.
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.

....END....

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

Number ST02289NY

This certificate issued to BaySys Technologies LLC
27 Market Street
Onancock, VA 23417

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 4b of the Civil Aviation Regulations.

Original Product -- Type Certificate Number : A3WE

Make : Boeing

Model : 727-21

Description of Type Design Change:

Installation of Cabin Interior Modifications and Aircell ST3100 Iridium satellite telephone system in accordance with BaySys Technologies, LLC, Master Data List 8027-MDL, Revision C, dated July 6, 2006.

Limitations and Conditions :

1. BaySys Technologies LLC., Airplane Flight Manual Supplement No. 8027-AFMS, FAA approved August 17, 2006, is required for this installation.
2. Descriptive data pertaining to this design change are considered inadequate for duplication in other products. This approval is limited to only the installation made in Boeing 727-21, Serial Number 19260. This STC does not permit manufacturing of parts for multiple installations.

(See Continuation Sheet 2)

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, 2005

Date reissued :

Date of issuance : August 17, 2006

Date amended :

By direction of the Administrator

Ewa Socias
(Signature)

for Anthony Socias
Manager
New York 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.



European Aviation Safety Agency

SUPPLEMENTAL TYPE CERTIFICATE

EASA.IM.A.S.01741

This certificate, established in accordance with Regulations (EC) No 1592/2002 and (EC) No 1702/2003 and issued to:

BAYSYS TECHNOLOGIES

27 Market Street

Onancock

Virginia 23417

USA

certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable type certification basis and environmental protection requirements when operated within the conditions and limitations specified below:

Original Product Type Certificate number: *EASA.A.064*

Manufacturer: *AIRBUS*

Model: *A319-115/-133*

Original STC Number: *FAA STC ST01939LA*

Description of Design Change:

Direct TV - Installation of a tailwind 550 Satellite direct TV receive system



European Aviation Safety Agency

Associated Technical Documentation:

- Master Data List (MDL), ref: 8050-ED-1067, Revision L, dated November 20, 2006 or later approved revisions;
- Airplane Flight Manual Supplement (AFM-S), ref: 8050-AFMS, Revision IR, dated November 20, 2006 or later approved revisions.

Limitations and Conditions:

1. Maximum Takeoff Weight and Maximum Landing Weight shall be reduced as follows:
 - Takeoff 350 lbs (159 Kg)
 - Landing 410 lbs (186 Kg)
2. For airplane(s) modified by this STC, prior to the accumulation of 9,200 total flight cycles from the STC modification, the following structural areas must be inspected in accordance with a EASA approved Eddy Current Inspection procedures for cracks, and this inspection must be repeated at intervals not to exceed 6,200 flight cycles thereafter. If crack is found, it must be repaired before further flight with a method approved by the EASA
 - a. The fuselage skin at all fastener holes, common to the radome adaptor to be inspected from the outside for crack(s),
 - b. The fuselage skin and the external doubler for the antenna mont, at all their attachment locations to be inspected from the inside for crack(s)
 - c. The fuselage skin, their tripler and the double for the pressure seal connectors, at all their attachment locations as well as the open hole, to be inspected from the inside for crack(s).

Notes: Prior to this mandatory inspection, the radome for the Tailwind 550 antenna, the antenna, the antenna O-ring, and the pressure seal connectors must be removed. The required Eddy current Inspection procedures must be developed by the STC holder and approved by the EASA. Inspection, more sensitive than Eddy Current inspection may also be proposed for EASA approval. This limitation supersedes the section 9 of BaySys document no. 8050-AWLS, "Airworthiness Limitations Supplement", Revision A.

3. This STC is approved only for the product configuration as defined in the approved design data referred to in the paragraph "Description". Compatibility with other aircraft/engine configurations shall be determined by the installer.

This certificate shall remain valid unless otherwise surrendered or revoked.

For the European Aviation Safety Agency,
Date of Issue: 23rd November 2006


Christian Gunitzberger
Project Certification Manager

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

Number ST01939LA

This Certificate issued to BaySys Technologies, LLC.
27 Market Street
Onancock, Virginia 23417

*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 in Type Certificate Data Sheet

Original Product Type Certificate Number : A28NM

Make Airbus

Model A319-133, and -115

Description of Type Design Change: Installation of Rockwell Collins Tailwind 550 Direct TV system in accordance with BaySys Technologies Master Data List No. 8050-ED-1067, Revision L, dated November 20, 2006, or later FAA approved revisions.

FAA Approved Flight Manual Supplement, BaySys Technologies Document no. 8050-AFMS, Revision IR, dated November 20, 2006, or later FAA approved revision is required.

Limitations and Conditions: 1. This approval should not be incorporated on any certificated product of this model on which other approved modifications are incorporated, unless it is determined that the relationships between this change and any of those previously incorporated modifications will not introduce any adverse effect upon the airworthiness of the certificated product. A copy of this STC must be included in the permanent record of the 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.

See Continuation Sheet 3 for additional limitations and Conditions

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 22, 2005

Date reissued : November 29, 2006

Date of issuance : November 21, 2006

Date amended :



By direction of the Administrator

Justin L. Nathan
(Signature)

Project Manager, Systems and Equipment Branch
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.

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

Number ST02312NY

This certificate issued to BaySys Technologies, llc
27 Market Street
Onancock, VA 23417

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: A16WE

Make: Boeing

Model: 737-700IGW

Description of Type Design Change:

Activation of Wireless Access Service Point (WASP) in accordance with Master Data List 8047-MDL, Revision B, dated October 03, 2006.

Limitations and Conditions:

1. Instructions for Continued Airworthiness, Manual Number 8047-ICAW, Rev. A, dated July 25, 2006 is required for this installation.
2. You can not use descriptive data about this design change to duplicate other products. This approval is limited to only the installation made in Boeing 737-700IGW, Serial Number 29749. This STC does not permit manufacturing of parts for multiple installations.
3. STC ST10468SC Installation of Executive Interior with Miltope Wireless Access Service Point (WASP) is required for this installation.

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: December 21, 2005

Date reissued: November 16, 2006

Date of issuance: November 06, 2006

Date amended:



By direction of the Administrator

Kevin Dowling
(Signature)

Anthony Scocias
Manager
New York Aircraft Certification Office

(Title)

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

Number ST02506NY

This certificate issued to BaySys Technologies, LLC
24233 Lankford Highway
Accomac, VA 23301

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.

Original Product - Type Certificate Number: A16WE
Make: Boeing
Model: 737-300

Description of Type Design Change:

Installation of Interior Modifications in accordance with BaySys Technologies, LLC, Master Data List 8145-MDL, Revision E, dated December 21, 2007.

Limitations and Conditions:

1. BaySys Technologies, LLC, Airplane Flight Manual Supplement Document No. 8145-AFMS, Revision D, FAA approved February 06, 2008, is required for this installation.
2. The following BaySys Technologies, LLC., Maintenance Instructions or later FAA accepted revisions are required for this modification:
 - a. Instructions for Continued Airworthiness, Document No. 8145-ICAW, Revision E, dated November 20, 2007.
 - b. Maintenance Manual Supplement, Document No. 8145-MMS, Revision B, dated November 20, 2007.

(See Continuation Sheet 2)

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: July 17, 2007

Date reissued:

Date of issuance: February 06, 2008

Date amended:



By direction of the Administrator

Ken Bowley

(Signature)
For Anthony Socias
Manager
New York Aircraft Certification Office

(Title)

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

Number ST02142LA

This Certificate issued to **BaySys Technologies, LLC**
24233 Lankford Highway
Accomac, VA 23301

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: A16WE

Make: Boeing

* SEE PAGE 3

Model: 737-700 Serial Number 30782

Description of Type Design Change: Interior Modifications in accordance with BaySys Technologies, LLC Master Data List 8119-MDL, Revision D, dated June 19, 2008, or later FAA approved revision.

Limitations and Conditions: Data pertaining to this modification is considered inadequate for duplication on other aircraft. This approval is limited to the installation made on Boeing 737-700 Series airplane Serial Number 30782. 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.

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

Supplemental Type Certificate ST09942SC is required for this installation.

(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: September 7, 2007

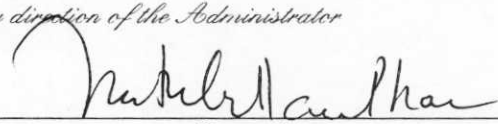
Date reissued:

Date of issuance: June 18, 2008

Date amended:

By direction of the Administrator



for 
(Signature)

Alan Shinseki
Manager, Systems and Equipment Branch
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.

Supplemental Type Certificate

(Continuation Sheet)

Number ST02142LA

FAA approved Flight Manual Supplement, BaySys Technologies, LLC document number 8119-AFMS, Revision IR, dated June 13, 2008, or later FAA approved revision is required.

FAA accepted Instructions for Continued Airworthiness, BaySys Technologies, LLC document number 8119-ICA, Revision A, dated April 23, 2008, and Maintenance Manual Supplement, BaySys Technologies, LLC document number 8119-MMS, Revision IR, dated March 31, 2008, or later FAA accepted revisions, must be made available to the operator for incorporation into the operator's maintenance program.

This modification may not be installed after August 30, 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 FAA Oversight Office. (Refer to §26.11).

Certification Basis:

Certification basis is set forth in Type Certificate Data Sheet A16WE and the following part 26 regulations:

- § 26.11 at Amendment 26-0.
- § 26.49 at Amendment 26-1.

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