



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: ST00936NY

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 therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.

Original Product – Type Certificate Number: A16WE  
Mcnrg: The Boeing Company  
Mqf gn 737-700 Series

Description of Type Design Change:

Installation of Auxiliary Fuel Systems in Boeing 737-700 IGW (BBJ) aircraft:

1. Configuration 1-A: Installation of structural provisions only, for a Three (3) Auxiliary Fuel System in the aft cargo compartment in accordance with PATS, Inc., Master Drawing List No. BBJ0003, Rev. G, dated 2/17/99 or later FAA approved revision.

(See continuation sheets 3 through end)

Limitations and Conditions:

Configurations 1-A, 1-B, 1-C, 1-D, 1-E, 1-F, 1-G, and 1-H:

1. These installations are life limited to five hundred aircraft cycles.
2. No liquids, semi liquids or solids may be loaded in the tanks at any time.

(See continuation sheets 10 through end)

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

Date of application: May 29, 1997

Date reissued: November 22, 2013

Date of issuance: February 24, 1999

Date amended: April 14, 2015

*By direction of the Administrator*

Signature \_\_\_\_\_

Title David E. Warner  
STC ODA administrator  
ODA-955292-NE

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



*United States of America*  
*Department of Transportation*  
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***Supplemental Type Certificate***

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification 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: ST00936NY*

**To** (Name and address of transferee)

**From** (Name and address of grantor)

Extent of Authority (if licensing agreement):

*Date of transfer:*

*Signature of grantor:* \_\_\_\_\_

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# Supplemental Type Certificate

(Continuation Sheet)

Number: ST00936NY

EFFECTIVE DATE: April 14, 2015

Additional Date Reissued: January 11, 2013, November 8, 2013

Additional Date Amended: May 20, 1999, September 2, 1999, February 9, 2000, June 30, 2000, August 1, 2000, June 8, 2001, June 17, 2002, October 10, 2003, November 25, 2003, April 8, 2004, November 9, 2005, January 3, 2006, September 26, 2012, November 12, 2013

*Description of Type Design Change (Continued):*

2. Configuration 1-B: Installation of structural provisions only, for a Four (4) Cell Auxiliary Fuel System in the aft cargo compartment in accordance with PATS, Inc., Master Drawing List No. BBJ0004, Rev. G, dated 2/17/99, or later FAA approved revision.
3. Configuration 1-C: Installation of structural provisions only, for a Five (5) Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0005, Rev. F, dated 2/17/99, or later FAA approved revision.
4. Configuration 1-D: Installation of structural provisions only, for a Six (6) Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0006, Rev. G, dated 2/17/99, or later FAA approved revision.
5. Configuration 1-E: Installation of structural provisions only, for a Seven (7) Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0007 Rev. F, dated 2/17/99, or later FAA approved revision.
6. Configuration 1-F: Installation of structural provisions only, for an Eight (8) Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0008, Rev. G dated 2/17/99, or later FAA approved revision.
7. Configuration 1-G: Installation of structural provisions only, for a Nine (9) Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0009, Rev. G, dated 2/17/99, or later FAA approved revision.
8. Configuration 1-H: Installation of structural provisions only, for a Four (4) Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0024 Rev. F, dated 2/17/99, or later FAA approved revision.
9. Configuration 2-A: Installation of a Three Cell Auxiliary Fuel System in the aft cargo compartment in accordance with PATS, Inc., Master Drawing List No. BBJ0003, Rev. M, dated 5/29/01, or later FAA approved revision.
10. Configuration 2-B: Installation of a Four Cell Auxiliary Fuel System in the aft cargo compartment in accordance with PATS, Inc., Master Drawing List No. BBJ0004, Rev. M, dated 5/29/01, or later FAA approved revision.
11. Configuration 2-C: Installation of a Five Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0005, Rev. L, dated 5/29/01, or later FAA approved revision.
12. Configuration 2-D: Installation of a Six Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0006, Rev. M, dated 5/29/01, or later FAA approved revision.
13. Configuration 2-E: Installation of a Seven Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0007. Rev L, dated 5/29/01, or later FAA approved revision.
14. Configuration 2-F: Installation of an Eight Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0008, Rev. M, dated 5/29/01, or later FAA approved revision.

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# Supplemental Type Certificate

(Continuation Sheet)

Number: ST00936NY

EFFECTIVE DATE: April 14, 2015

*Description of Type Design Change (Continued):*

15. Configuration 2-G: Installation of a Nine Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS Inc., Master Drawing List No. BBJ0009, Rev. M, dated 5/29/01, or later FAA approved revision.
16. Configuration 2-H: Installation of a Four Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0024, Rev. L, dated 5/29/01, or later FAA approved revision.
17. Configuration 2-J: Installation of a Three Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0023, Rev. G, dated 5/29/01, or later FAA approved revision.
18. Configuration 2-K: Installation of a Five Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0025, Rev. F, dated 5/29/01, or later FAA approved revision.
19. Configuration 2-M: Installation of a Six Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0036, Rev. C, dated May 29, 2001, or later FAA approved revision.
20. Configuration 2-N: Installation of a Two Cell Auxiliary Fuel System in the aft cargo compartment in accordance with PATS, Inc. Master Drawing List No. BBJ0002, Rev. E, dated May 29, 2001, or later FAA approved revision.
21. Configuration 2-P: Installation of a Five Cell Auxiliary Fuel System in the aft cargo compartment in accordance with PATS, Inc. Master Drawing List No. BBJ0035, Rev. C, dated May 29, 2001, or later FAA approved revision.
22. Configuration 2-R: Installation of a Seven Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0027, Rev. C, dated May 29, 2001, or later FAA approved revision.
23. Configuration 2-S: Installation of a Six Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0026, Rev. C, dated May 29, 2001, or later FAA approved revision.
24. Configuration 2-T: Installation of a Four Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0034, Rev. C, dated May 29, 2001, or later FAA approved revision.
25. Configuration 2-U: Installation of a Two Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0022, Rev. C, dated May 29, 2001, or later FAA approved revision.
26. Configuration 2-V: Installation of a Three Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0033, Rev. C, dated May 29, 2001, or later FAA approved revision.
27. Configuration 2-W: Installation of a Eight Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0028, Rev. C, dated May 29, 2001, or later FAA approved revision.
28. Configuration 3-A: Installation of a Three Cell Auxiliary Fuel System in the aft cargo compartment in accordance with PATS, Inc., Master Drawing List No. BBJ0003, Rev. P, dated 6/3/02, or later FAA approved revision.
29. Configuration 3-B: Installation of a Four Cell Auxiliary Fuel System in the aft cargo compartment in accordance with PATS, Inc., Master Drawing List No. BBJ0004, Rev. P, dated 6/3/02, or later FAA approved revision.
30. Configuration 3-C: Installation of a Five Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0005, Rev. N, dated 6/3/02, or later FAA approved revision.
31. Configuration 3-D: Installation of a Six Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0006, Rev. P, dated 6/3/02, or later FAA approved revision.
32. Configuration 3-E: Installation of a Seven Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0007, Rev. N, dated 6/3/02, or later FAA approved revision.
33. Configuration 3-F: Installation of an Eight Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0008, Rev. P, dated 6/3/02, or later FAA approved revision.
34. Configuration 3-G: Installation of a Nine Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0009, Rev. P, dated 6/3/02, or later FAA approved revision.
35. Configuration 3-H: Installation of a Four Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc., Master Drawing List No. BBJ0024, Rev. N, dated 6/3/02, or later FAA approved revision.

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# Supplemental Type Certificate

(Continuation Sheet)

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EFFECTIVE DATE: April 14, 2015

*Description of Type Design Change (Continued):*

36. Configuration 3-J: Installation of a Three Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0023, Rev. J, dated 6/3/02, or later FAA approved revision.
37. Configuration 3-K: Installation of a Five Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0025, Rev. H, dated 6/3/02, or later FAA approved revision.
38. Configuration 3-M: Installation of a Six Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0036, Rev. E, dated 6/3/02, or later FAA approved revision.
39. Configuration 3-N: Installation of a Two Cell Auxiliary Fuel System in the aft cargo compartment in accordance with PATS, Inc. Master Drawing List No. BBJ0002, Rev. G, dated 6/3/02, or later FAA approved revision.
40. Configuration 3-P: Installation of a Five Cell Auxiliary Fuel System in the aft cargo compartment in accordance with PATS, Inc. Master Drawing List No. BBJ0035, Rev. E, dated 6/3/02, or later FAA approved revision.
41. Configuration 3-R: Installation of a Seven Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0027, Rev. E, dated 6/3/02, or later FAA approved revision.
42. Configuration 3-S: Installation of a Six Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0026, Rev. E, dated 6/3/02, or later FAA approved revision.
43. Configuration 3-T: Installation of a Four Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0034, Rev. E dated 6/3/02, or later FAA approved revision.
44. Configuration 3-U: Installation of a Two Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0022, Rev. E dated 6/3/02, or later FAA approved revision.
45. Configuration 3-V: Installation of a Three Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0033, Rev. E dated 6/3/02, or later FAA approved revision.
46. Configuration 3-W: Installation of a Eight Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0028, Rev. E, dated 6/3/02, or later FAA approved revision.
47. Configuration 4-K: Installation of a Five Cell Auxiliary Fuel System in the forward and aft cargo compartments in accordance with PATS, Inc. Master Drawing List No. BBJ0025, Rev. D, dated June 9, 2000 or later FAA-approved revision, and PATS Service Bulletin BBJ-28-78, Rev. B, dated November 13, 2002 and PATS Service Bulletin BBJ-28-100, Rev. D, dated June 26, 2003.
48. Configuration 5: Installation of double walled metal tubes per PATS Aircraft, LLC Installation Master Drawing List No. 7093-0001-MDL, Rev. A, dated 9/12/12. Service Bulletin ST00936NY-28-SB-038\_B dated September 26, 2012, or later FAA-approved revision converts an aircraft that has been previously modified by installation of Configuration 2, 3, or 4 (i.e. the installation of an auxiliary fuel system with hoses) of this STC to Configuration 5 of this STC (i.e. installation with double walled tube assemblies) respectively. There is no change to configuration AFMS.
49. Configuration 6: Installation of an Auxiliary Fuel System with Structural Provisions but no Auxiliary Fuel Cell in the Forward Cargo Compartment and Five Cells in the Aft Cargo Compartment in accordance with PATS Aircraft, LLC. Master Drawing List No. 7223-0001-MDL, Rev. C, dated October 31, 2013 or later FAA-approved revision.

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# Supplemental Type Certificate

(Continuation Sheet)

Number: ST00936NY

EFFECTIVE DATE: April 14, 2015

*Description of Type Design Change (Continued):*

Aircraft Flight Manual Supplements applicable to Configurations 2-A, 2-B, 2-C, 2-D, 2-E, 2-F, 2-G, 2-H, 2-J, 2-K, 2-M, 2-N, 2-P, 2-R, 2-S, 2-T, 2-U, 2-V and 2-W:

1. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 1 for a Three-Cell Aft Auxiliary Fuel System Configuration, Rev. B.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-A.
2. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 2 for a Four-Cell Aft Auxiliary Fuel System Configuration, Rev. B.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-B.
3. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 5 for a Five-Cell (Two Forward, Three Aft) Auxiliary Fuel System Configuration, Rev. B.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-C.
4. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 4 for a Six-Cell (Two Forward, Four Aft) Auxiliary Fuel System Configuration, Rev. B.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-D.
5. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 6 for a Seven-Cell (Two Forward, Five Aft) Auxiliary Fuel System Configuration, Rev. B.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-E.
6. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 7 for an Eight-Cell (Three Forward, Five Aft) Auxiliary Fuel System Configuration, Rev. B.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-F.
7. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 8 for a Nine-Cell (Four Forward, Five Aft) Auxiliary Fuel System Configuration, Rev. B.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-G.
8. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 3 for a Four-Cell (One Forward, Three Aft) Auxiliary Fuel System Configuration, Rev. B.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-H.
9. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 10 for a Three-Cell (Two Forward, One Aft) Auxiliary Fuel System Configuration, Rev. B.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-J.
10. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 9 for a Five-Cell (One Forward, Four Aft) Auxiliary Fuel System configuration, Rev. B.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-K.
11. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 18 for a Six-Cell (One Forward, Five Aft) Auxiliary Fuel System Configuration, Rev. A.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-M.
12. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 11 for a Two-Cell Aft Auxiliary Fuel System Configuration, Rev. A.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-N.
13. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 12 for a Five-Cell Aft Auxiliary Fuel System Configuration, Rev. B.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-P.
14. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 13 for a Seven-Cell (Three Forward, Four Aft) Auxiliary Fuel System Configuration, Rev. A.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-R.
15. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 14 for a Six-Cell (Three Forward, Three Aft) Auxiliary Fuel System Configuration, Rev. A.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-S.

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*Supplemental Type Certificate*  
(Continuation Sheet)  
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EFFECTIVE DATE: April 14, 2015

*Description of Type Design Change (Continued):*

Aircraft Flight Manual Supplements applicable to Configurations 2-A, 2-B, 2-C, 2-D, 2-E, 2-F, 2-G, 2-H, 2-J, 2-K, 2-M, 2-N, 2-P, 2-R, 2-S, 2-T, 2-U, 2-V and 2-W (Continued):

16. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 15 for a Four-Cell (Two Forward, Two Aft) Auxiliary Fuel System Configuration, Rev. A.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-T.
17. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 16 for a Two-Cell (One Forward, One Aft) Auxiliary Fuel System Configuration, Rev. A.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-U.
18. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 17 for a Three-Cell (One Forward, Two Aft) Auxiliary Fuel System Configuration, Rev. A.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-V.
19. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 19 for a Eight-Cell (Four Forward, Four Aft) Auxiliary Fuel System Configuration, Rev. A.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 2-W.

Aircraft Flight Manual Supplements applicable to Configurations 3-A, 3-B, 3-C, 3-D, 3-E, 3-F, 3-G, 3-H, 3-J, 3-K, 3-M, 3-N, 3-P, 3-R, 3-S, 3-T, 3-U, 3-V and 3-W:

- 1.PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 1 for a Three-Cell Aft Auxiliary Fuel system Configuration, Rev. D.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-A.
- 2.PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 2 for a Four-Cell Aft Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-B.
- 3.PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 5 for a Five-Cell (Two Forward, Three Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-C.
- 4.PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 4 for a Six-Cell (Two Forward, Four Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-D.
- 5.PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 6 for a Seven-Cell (Two Forward, Five Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-E.
- 6.PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 7 for an Eight-Cell (Three Forward, Five Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-F.
7. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 8 for a Nine-Cell (Four Forward, Five Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-G.

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EFFECTIVE DATE: April 14, 2015

*Description of Type Design Change (Continued):*

Aircraft Flight Manual Supplements applicable to Configurations 3-A, 3-B, 3-C, 3-D, 3-E, 3-F, 3-G, 3-H, 3-J, 3-K, 3-M, 3-N, 3-P, 3-R, 3-S, 3-T, 3-U, 3-V and 3-W (Continued):

8. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 3 for a Four-Cell (One Forward, Three Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-H.
9. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 10 for a Three-Cell (Two Forward, One Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-J.
10. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 9 for a Five-Cell (One Forward, Four Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-K.
11. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 18 for a Six-Cell (One Forward, Five Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-M.
12. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 11 for a Two-Cell Aft Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-N.
13. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 12 for a Five-Cell Aft Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-P.
14. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 13 for a Seven-Cell (Three Forward, Four Aft) Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-R.
15. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 14 for a Six-Cell (Three Forward, Three Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-S.
16. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 15 for a Four-Cell (Two Forward, Two Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-T.
17. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 16 for a Two-Cell (One Forward, One Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-U.
18. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 17 for a Three-Cell (One Forward, Two Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required for Configuration 3-V.
19. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. 19 for an Eight-Cell (Four Forward, Four Aft) Auxiliary Fuel System Configuration, Rev. C.1, FAA approved November 9, 2005 or later FAA approved revision is required with Configuration 3-W.

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*Description of Type Design Change (Continued):*

Aircraft Flight Manual Supplement applicable to Configuration 4-K:

1. PATS, Inc. Airplane Flight Manual Supplement No. 125, Rev. A, for a One Cell Forward and four Cell Aft Auxiliary Fuel System configuration, FAA approved November 25, 2003 or later FAA approved revision is required with configuration 4-K.

Aircraft Flight Manual Supplement applicable to Configuration 5:

1. No change to AFMS Configuration Upgrade.

Aircraft Flight Manual Supplement applicable to Configuration 6:

1. PATS Aircraft, LLC. Airplane Flight Manual Supplement No. AFMS-ST00936NY-F-05P for an Five-Cell (Zero Forward, Five Aft) Auxiliary Fuel System configuration, Rev. IR, FAA approved November 12, 2013 or later FAA approved revision is required with Configuration 6.

All Configurations:

1. PATS Aircraft, LLC, document TM-0667-ICAW, Instructions for Continued Airworthiness, revision K dated January 14, 2015, or later FAA accepted revision, and Maintenance Planning Data Supplement (MPDS) number TO-1771, revision M, dated October 25, 2014, or later FAA accepted revision are required for Continued Airworthiness for all configurations.

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*Limitations and Conditions: (Continued)*

All Configurations:

1. The aircraft must be inspected in accordance with requirements in the FAA approved Airworthiness Limitations, Section 4 and 4a, FAA approved dated April 10, 2015 that are documented in the Maintenance Planning Data Supplement (MPDS) Number TO-1771.
2. The PATS Aircraft, LLC. Smoke Detection and Fire Suppression STC ST00405LA-D must be installed in aircraft equipped with this STC.
3. This STC does not require a revised Electrical Wiring Interconnection System (EWIS) Instructions for Continued Airworthiness (ICA).
4. This STC is limited to 737-700 IGW aircraft.
5. The installation of the auxiliary fuel tank system, installed per this supplemental type certificate, has been evaluated in accordance with AC 120-42B. This installation has no adverse effect on the previously approved ETOPS capability of the type-certificated aircraft.
6. This approval should not be incorporated in any aircraft of this specific model on which other approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those previously incorporated approved modifications will not introduce any adverse effect upon the airworthiness of the aircraft.
7. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the person written evidence of that permission.
8. The installer must determine whether this design change is compatible with previously approved modifications.

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# Supplemental Type Certificate

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## Certification Basis

Based on 14 CFR § 21.115 and § 21.101, and the FAA policy for changes that are not significant in FAA Order 8110.48, the certification basis for the Boeing Model 737-700 Series aircraft with a PATS Aircraft Auxiliary Fuel System is as follows.

14CFR Part 25 regulations

a. The type certification basis for Boeing Model 737-700 Series airplanes is shown on TCDS A16WE Revision 53, June 19, 2014, 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 May 29, 1997 is based upon Part 25 as amended through Amendment 25-77, with exception as noted in in TCDS A16WE;

(1). Regulations at the amendment level in TCDS A16WE: 14 CFR:

25.301, 25.303, 25.305, 25.307, 25.341, 25.365, 25.561, 25.571, 25.581, 25.601, 25.603, 25.605, 25.607, 25.609, 25.611, 25.613, 25.619, 25.623, 25.625, 25.671, 25.685, 25.831, 25.851, 25.855, 25.857, 25.858, 25.863, 25.901, 25.903, 25.951, 25.952, 25.953, 25.954, 25.955, 25.957, 25.959, 25.963, 25.965, 25.967, 25.969, 25.971, 25.973, 25.975, 25.977, 25.979, 25.981, 25.993, 25.994, 25.995, 25.997, 25.999, 25.1183, 25.1185, 25.1301, 25.1305, 25.1309, 25.1316, 25.1321, 25.1322, 25.1337, 25.1351, 25.1353, 25.1355, 25.1357, 25.1363, 25.1381, 25.1431, 25.1501, 25.1529, 25.1541, 25.1543, 25.1553, 25.1555, 25.1557, 25.1581, 25.1583, 25.1585, 25.1587.

c. The following Sections of Part 25 were complying with Amendments Levels greater than those listed on the TCDS:

25.561 Amendment 25-64  
25.571 Amendment 25-86  
25.855 Amendment 25-93  
25.857 Amendment 25-93\*  
25.1353 Amendment 25-113  
25.1431 Amendment 25-113\*

\*= Latest Amendment

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## Certification Basis (Continued)

14CFR Part 26 regulations

Based on 14 CFR § 21.115 and § 21.101, and the FAA policy for changes that are not significant in FAA Order 8110.48, the certification basis for the Boeing Model 737-700 Series aircraft with a PATS Aircraft Auxiliary Fuel System is as follows.

14CFR Part 26 regulations

- 26.11 Amendment 26-0\*
- 26.35 Amendment 26-3\*
- 26.47 Amendment 26-1\*

\*= Latest Amendment

...End...

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