

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

Number SA01216WI

This certificate issued to:

Yingling Aircraft, Inc.
2010 Airport Road
Wichita, KS 67277-0248

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 23 of the Federal Aviation Regulations. (See Type Certification Data Sheet 3A13 and the Continuation Sheet, page 3 of 3, of the STC.)

Original Product - Type Certificate Number: 3A13

Make: Cessna

Model: 182T, T182T

Description of Type Design Change:

Installation of Civil Air Patrol (CAP) Special Missions Equipment in the Cessna Models 182T/T182T including the KGS power converter, Technisonics TDFM Transceiver, Rhotheta/Becker ADF, P/N 0531-324-924, and 12 and 28 VDC power outlets. The CAP Special Mission Equipment may be interfaced to the UPSAT Avionics package or the NAV III (Garmin G-1000 w/Dual GMA-1347 Audio Panels) Avionics package. An optional ARTEX 110-406 Emergency Locator Transmitter and/or audio provisions for ARNAV RCOM 100 SATCOM may be installed when the CAP equipment is installed with the NAV III package.

Installation of the CAP equipment in accordance with the installation data and FAA Approved Airplane Flight Manual Supplements (AFMS) listed on the Continuation Sheet (See page 3 of 3).

Limitations and Conditions:

Compatibility of this design change with previously approved modifications must be determined by the installer. 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: May 27, 2003

Date reissued:

Date of issuance: November 25, 2003

Date amended: April 12, 2005; October 26, 2006;
October 14, 2008, July 22, 2011



By direction of the Administrator

Original signed by Steve Litke

(Signature)

Steven C. Litke
Program Manager
Wichita 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 SA01216WI

Date of Issuance: November 25, 2003
 Dates Amended: April 12, 2005, October 26, 2006,
 October 14, 2008, July 22, 2011

Certification Basis (continued from Page 1):

The Certification Basis applicable to this effort is defined in FAA TCDS 3A13, Rev. 64. Type Certificate No. 3A13 was amended June 16, 2004. Rev. 64 as listed below:

Part 23 of the Federal Aviation Regulations effective February 1, 1965, as amended by 23-1 through 23-6, except as follows:
 FAR 23.423; 23.611; 23.619; 23.623; 23.689; 23.775; 23.871; 23.1323; and 23.1563 as amended by Amendment 23-7.
 FAR 23.807 and 23.1524 as amended by Amendment 23-10. FAR 23.507; 23.771; 23.853(a), (b) and (c); and 23.1365
 as amended by Amendment 23-14. FAR 23.951 as amended by Amendment 23-15. FAR 23.607; 23.675; 23.685;
 23.733; 23.787; 23.1309 and 23.1322 as amended by Amendment 23-17. FAR 23.1301 as amended by Amendment
 23-20. FAR 23.1353 and 23.1559 as amended by Amendment 23-21. FAR 23.603; 23.605; 23.613; 23.1329 and
 23.1545 as amended by Amendment 23-23. FAR 23.441 and 23.1549 as amended by Amendment 23-28. FAR 23.779
 and 23.781 as amended by Amendment 23-33. FAR 23.1; 23.51 and 23.561 as amended by Amendment 23-34. FAR
 23.301; 23.331; 23.351; 23.427; 23.677; 23.701; 23.735 and 23.831 as amended by Amendment 23-42. FAR 23.961;
 23.1093; 23.1143(g); 23.1147(b); 23.1303; 23.1357; 23.1361 and 23.1385 as amended by Amendment 23-43. FAR
 23.562(a), 23.562(b)2, 23.562(c)1, 23.562(c)2, 23.562(c)3, and 23.562(c)4 as amended by Amendment 23-44. FAR
 23.33; 23.53; 23.305; 23.321; 23.485; 23.621; 23.655 and 23.731 as amended by Amendment 23-45. FAR 36 dated
 December 1, 1969, as amended by Amendments 36-1 through 36-21.

Description of Type Design Change (continued from Page 1):

Configuration 1 – CAP Special Missions Equipment interfaced to UPSAT Avionics Package

Installation Data

AFMS

Installation of CAP Special Missions Equipment interfaced to UPSAT Avionics Package in accordance with Yingling Aviation Master Drawing List, MDL2701-34351, Revision A dated September 18, 2003, or later FAA approved revision. Note: This configuration is identified as “-1” (MDL2701-34351-1) in the Master Document List.	FAA Approved Airplane Flight Manual Supplement for CAP Special Missions Equipment, Cessna 182T, Document Number FMS2701-34351, Revision IR, signed November 25, 2003, or later FAA approved revision.
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Configuration 2 – CAP Special Missions Equipment interfaced to Cessna NAVIII Avionics Package

Installation Data

AFMS

Installation of CAP Special Missions Equipment interfaced to Cessna NAV III Avionics Package (with Dual Audio) in accordance with Yingling Aviation Master Drawing List, MDL2701-34351, Revision F dated April 6, 2005, or later FAA approved revision. Note: This configuration is identified as “-2” (MDL2701-34351-2) in the Master Document List.	FAA Approved Airplane Flight Manual Supplement for CAP Special Missions Equipment, Cessna 182T w/ NAV III Avionics & Dual Audio, Document Number AFMS18281388, Revision A, signed March 29, 2005, or later FAA approved revision.
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