



Department of Transport

# Supplemental Type Certificate

**This approval is issued to:**

Aspen Avionics, Inc.  
5001 Indian School Rd. NE  
Albuquerque, New Mexico  
United States of America 87110

**Number:** SA09-50

**Issue No.:** 2

**Approval Date:** June 24, 2009

**Issue Date:** February 04, 2010

**Responsible Office:**

Ontario

**Aircraft/Engine Type or Model:**

See Continuation Sheet

**Canadian Type Certificate or Equivalent:**

See Continuation Sheet

**Description of Type Design Change:**

Installation of EFD1000 Primary Flight Display or EFD1000/EFD500 Evolution Flight Display(s) System in accordance with FAA STC SA10822SC

**Installation/Operating Data,  
Required Equipment and Limitations:**

**Configuration 1 - Installation of EFD1000 Primary Flight Display**

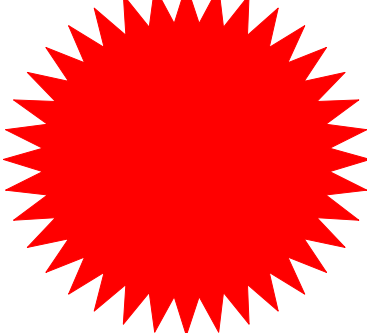
**- applicable to Diamond DA20-A1, DA20-C1 only -**

Installation Instructions and Instructions for Continued Airworthiness in accordance with Aspen Avionics Installation Manual document No. A-01-126-00, Revision C, dated March 28, 2008, or later approved FAA revision.

Operation must be in accordance with Airplane Flight Manual Supplement document No. A-01-175-00, Revision B, dated March 17, 2008, or document No. A-01-179-00, Revision A, dated March 17, 2008, or later FAA approved revision is required.

The installer must determine whether this design change is compatible with previously approved modifications. 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.

**Basis of Certification**



**Conditions:** This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated **will not** adversely affect the airworthiness of the modified product.

Thomas Gretton  
For Minister of Transport



*(Continuation Sheet)*

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NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

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The certification basis is in accordance with 14 CFR 23 Amendment 23-55 and High Intensity Radiated Fields (HIRF), Docket No. CE 278, Special Condition 23-218-SC.

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(Continuation Sheet)

NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

**Configuration 2 - Installation of EFD1000/EFD500 Evolution Flight Display(s)**

**- applicable to all aircraft -**

Installation shall be in accordance with Aspen Avionics Installation Manual, Document #900-00003-001, Revision D, dated September 20, 2009 or later FAA approved revision.

Installation of the EWR50 Data Link Receiver component shall be in accordance with Aspen Avionics EWR50 Installation Manual, Document #900-00007-001, Revision C, dated September 28, 2009, or later FAA approved revision.

FAA approved Flight Manual Supplement, Document #900-00008-001, Revision A, dated September 28, 2009, or later FAA approved revision is required with this modification.

**Required Equipment**

An independent alternate attitude source is required with this installation.

**Basis of Certification**

The certification basis is in accordance with 14 CFR 23 Amendment 23-55, High Intensity Radiated Fields (HIRF), Docket No. CE 278, Special Condition 23-218-SC and FAA Equivalent Level of Safety Memo #ACE-09-15.

		<u>FLEET ELIGIBILITY LIST</u>
<u>MAKE</u>	<u>MODEL</u>	
DIAMOND	DA 40	A-224
DIAMOND	DA 40 F	A-224
DIAMOND	DA20-A1	A-191
DIAMOND	DA20-C1	A-191
EADS PZL	PZL-104 Wilga 80	A-133



(Continuation Sheet)

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EADS PZL	PZL-104M Wilga 2000	A-133
EADS PZL	PZL-104MA Wilga 2000	A-133
EXTRA FLUGZEUGPRODUKTIONS	EA 300	A-192
EXTRA FLUGZEUGPRODUKTIONS	EA 300/200	A-192
EXTRA FLUGZEUGPRODUKTIONS	EA 300/L	A-192
EXTRA FLUGZEUGPRODUKTIONS	EA 300/S	A-192
FOUND	FBA-2C	A-67
FOUND	FBA-2C1	A-67
FOUND	FBA-2C2	A-67
GIPPSLAND AERONAUTICS PTY. LTD.	GA8	A-235
GROB-WERKE	G 120A	A-240
GROB	G 115	A-203
GROB	G 115A	A-203
GROB	G 115B	A-203
GROB	G 115C	A-203
GROB	G 115C2	A-203
GROB	G 115D	A-203
GROB	G 115D2	A-203
MORANE SAULNIER	MS880B	A-58
MORANE SAULNIER	MS885	A-58
MORANE SAULNIER	MS892E-150	A-58
MORANE SAULNIER	MS893E	A-58
MORANE SAULNIER	MS894E	A-58
MORAVAN	Z 242 L	A-186
PILATUS	PC-6	A-78
PILATUS	PC-6-H1	A-78
PILATUS	PC-6-H2	A-78
PILATUS	PC-6/350	A-78
PILATUS	PC-6/350-H1	A-78
PILATUS	PC-6/350-H2	A-78
PILATUS	PC-6/A	A-78
PILATUS	PC-6/A-H1	A-78
PILATUS	PC-6/A-H2	A-78

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PILATUS	PC-6/B-H2	A-78
PILATUS	PC-6/B1-H2	A-78
PILATUS	PC-6/B2-H2	A-78
PZL	PZL Koliber 150A	A-193
SOCATA	GA7	A-231
SOCATA	TB 10	A-153
SOCATA	TB 20	A-153
SOCATA	TB 200	A-153
SOCATA	TB 21	A-153
SOCATA	TB 9	A-153
SYMPHONY	OMF-100-160	A-229
SYMPHONY	SA 160	A-229
VIKING AIR LIMITED	DHC-2 MKI	A-22
VIKING AIR LIMITED	DHC-2 MKII	A-22
VIKING AIR LIMITED	DHC-2 MKIII	A-22
VULCANAIR S.p.A.	P68 OBSERVER	A-150
VULCANAIR S.p.A.	P68 OBSERVER 2	A-150
VULCANAIR S.p.A.	P68C	A-150
VULCANAIR S.p.A.	P68C-TC	A-150
ZENAIR	CH2000	A-185

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