United States of America

Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

Number ST00640DE

This certificate issued to:

AIRDAT LLC
2535 South Lewis Way
Suite 203
Lakewood, CO 80227

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.* *Certification basis established in Type Certificate Data Sheet applicable to the listed models in AML ST00640DE Rev.IR or later FAA approved revisions.

Original Product - Type Certificate Number:

Make:

Model:

See attached FAA Approved Model List (AML), Document No. ST00640DE Rev. IR or later FAA approved revisions for the list of approved airplane models, applicable installation data requirements and specific limitations

Description of Type Design Change:

Installation of Tropospheric Airborne Meteorological Data Reporting System (TAMDAR), in accordance with the applicable Master Drawing List, as listed in AML ST00640DE Revision IR, dated July 10, 2007, FAA approved July 10, 2007 or later approved revision.

Limitations and Conditions:

1.) Compatibility of this design change with previously approved modifications must be determined by the installer.
2.) Instructions for Continued Airworthiness, Document No. as listed in AML ST00640DE Rev. IR , dated July 10, 2007 or later FAA approved revision , required for this installation.
3.) A copy of this certificate and the FAA approved Airplane Flight Manual, listed in AML ST00640DE Rev. IR, dated July 10, 2007 or later FAA approved revision, must be maintained as part of the permanent records of the aircraft.
4.) If the holder agrees to permit another person to use this certificate, 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: December 5, 2006

Date reissued:

Date of issuance: July 9, 2007

Date amended: October 20, 2010

By direction of the Administrator

G. Johnson

(*Signature*)

Todd G. Dixon

Manager

Denver 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.

This certificate may be transferred in accordance with FAR 21.47.

FAA Approved Model LIST (AML)

Number ST00640DE

Installation of Tropospheric Airborne Meteorological Data Reporting System

REVISION - F. Issue Date: October 20, 2010

* or later FAA Approved Revision

NOTE (#)	AIRCRAFT MAKE AND MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	MDL*		AML
				DWG NO.	REV. DATE.	REV. DATE
	EMB135/145	T00011AT	Part 25 with amendments as listed in TCDS T00011AT R26	R6000-038	0C0 ——— 5/11/07	IR ——— 7/10/07
(1), (2)	EMB135/145	T00011AT	Part 25 with amendments as listed in TCDS T00011AT R26	R6000-038	0P0 ——— 07/09/10	F ——— 10/20/10
(1), (2)	DHC-8-400	A13NM	Part 25 with amendments as listed in TCDS A13NM R15	R6000-005	0E0 ——— 12/14/07	B ——— 2/4/08
(1), (2)	DHC-8-100/300	A13NM	Part 25 with amendments as listed in TCDS A13NM R15	R6000-005	0N0 ——— 1/11/10	D ——— 2/09/10

FAA Approved Model LIST (AML)

Number ST00640DE

Installation of Tropospheric Airborne Meteorological Data Reporting System

Notes:

(1) The FAA has reviewed the EWIS ICA impact assessments and found that the modifications defined by this AML STC do not necessitate a revision to the EWIS ICA's that were required to be developed by 14 CFR § 26.11 (b). No additional changes to the existing EWIS ICA's are required.

(2) Based on 14 CFR § 21.101 (g), applicable provisions of 14 CFR § 26 are included in the certification basis. For any future 14 CFR part 26 amendments, the holder of this AML STC must demonstrate compliance with the applicable sections. As of the issuance date of this AML STC, compliance has been found for the following regulations 14 CFR § 26.11 (b), (c), (Amdt. No. 26-0).

REVISION	DATE	DESCRIPTION
IR	7/10/07	Initial Release
A	1/8/08	EMB135/145 under MDL R6000-038 R-0G0 / ICA ECS 205472 R-D
B	2/4/08	DHC-8-400 under MDL R6000-005 R-0E0 / ICA ECS 204836 R-B
C	1/7/10	DHC-8-100 under MDL R6000-005 R-0M0 / ICA ECS 205520 R-N/C
D	2/9/10	DHC-8-300 under MDL R6000-005 R-0N0 / ICA ECS 205520 R-A
E	6/2/10	Changed Note (1) to indicate August 31, 2010
F	10/20/10	EMB135/145 under MDL R6000-038 R-0P0

FAA Approval: G. Johnson for

Todd G. Dixon,
Manager, Denver Aircraft Certification Office.
Transport Airplane Directorate.