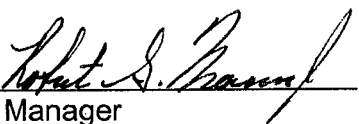


***Avidyne Traffic Advisory System
Approved Model List***

AML STC SA02013CH

**AVIDYNE
CORPORATION**

55 Old Bedford Road
Lincoln, MA 01773

FAA Approved: 
Manager
Boston Aircraft Certification Office
Federal Aviation Administration
Burlington, MA

Document Number		AVTAS-019	Control Category	N/A
Revision	Description		ECO	Date
00	Initial Release		ECO-10-428	04/19/11

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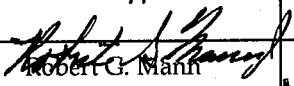
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1. Log of Revision

Revision Number	Revised Pages	Description of Revisions	FAA Approval	Date
00	ALL	Initial Release	 Robert G. Mann Mgr., Boston ACO	MAY 02 2011

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2. Introduction

This document is the FAA Approved Model List for STC SA02013CH for the installation of the Avidyne TAS6XX Series Traffic Awareness System and the optional installation of the 1/2 3ATI (ATD150) Controller/Display into eligible aircraft. The 1/2 3ATI Controller/Display can be installed using this STC, all other displays must be installed using a separate installation approval. Revisions to the AML must be coordinated through the STC holder and require FAA approval.

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3. Applicability

The following equipment may be installed in aircraft using the installation and substantiation data listed in the Master Document List, Avidyne document number AVTAS-020 Rev. 00 (or later approved additions). See Section 6 for approved aircraft.

Part Number	Description
70-2420-8TAS600	Avidyne TAS600 Processor
70-2420-8TAS605	Avidyne TAS605 Processor
70-2420-8TAS610	Avidyne TAS610 Processor
70-2420-8TAS615	Avidyne TAS615 Processor
70-2420-8TAS620	Avidyne TAS620 Processor
70-2420-8	9900BX Processor ¹
70-2040	Transponder Coupler
S72-1750-31L	Directional Antenna
S72-1750-32L	Directional Antenna
70-2520	½ 3ATI (ATD150) Controller/Display, Grey

¹ Identical to Part Number 70-2420-8TAS620

(Reference Installation Manual, Avidyne Document 600-00282-000, for Ship Kit Part Numbers)

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4. Limitations

The ½ 3ATI Controller/Display (ATD150) can be installed using this STC, all other displays must be installed using a separate installation approval. Reference the Installation Manual, Avidyne Document 600-00282-000, for a list of compatible displays.

IMPORTANT NOTICE

This STC is only applicable to the 14 CFR Part 23 aircraft which are listed in this AML.

Installations in 14 CFR Part 25, Part 27 and Part 29 aircraft are not authorized under this STC.

IMPORTANT NOTICE

Directional Antenna installation is not approved in pressurized cabin structure, in composite airframe structure, in wood/fabric airframe structure, or in any airframe structure certified beyond 14 CFR Part 23 §23.305 Amendment 23-45 and/or beyond §23.613 Amendment 23-45 unless model specific data is stated in Section 3 of the Master Document List (MDL). Installation Manual (IM) Document No. 600-00282-000 (32-2351), Revision 00, or later FAA approved revisions, is generic data, not model specific data.

IMPORTANT NOTICE

Reference the Master Document List, Document Number AVTAS-020, for generic and model specific installation and substantiation data.

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5. Certification Basis

The certification basis for this modification in Class I, II, III and IV aircraft is as follows:

23.301 [Amdt. 23-48] (a), (b), (c), (d)
23.303 [Amdt. Orig]
23.305 [Amdt. 23-45] (a), (b)
23.307 [Amdt. Orig] (a)
23.561[Amdt. 23-48] (a), (b)(1), (b)(3)
23.601[Amdt. Orig]
23.603[Amdt. 23-23] (a)(1), (a)(2), (a)(3), (b)
23.605[Amdt. 23-23] (a), (b)
23.607[Amdt. 23-48] (a), (b), (c)
23.609 [Amdt. Orig] (a), (b)
23.611[Amdt. 23-48]
23.613[Amdt23-45]
23.771 [Amdt. 23-14] (a)
23.773 [Amdt. 23-45] (a)(2)
23.867[Amdt. 23-49] (b)(1), (b)(2)
23.1301[Amdt. 23-20]
23.1309[Amdt. 23-49] a(1), a(2), a(3), a(4), (e)
23.1351[Amdt. 23-49] (a)
23.1357[Amdt. 23-43] (a)(2), (c)
23.1359[Amdt. 23-49] (c)
23.1365[Amdt. 23-49] (a), (b), (d), (e)
23.1367[Amdt. Orig]
23.1381[Amdt. Orig]
23.1431[Amdt. 23-49] (b),(e)
23.1501[Amdt. 23-21]
23.1529[Amdt. 23-26]
23.1581[Amdt. 23-50] a(2), a(3)
23.1583[Amdt. 23-50] (m)
23.1585[Amdt. 23-50] (j)

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6. Approved Model List

Aircraft Make	Aircraft Model(s)	Type Certificate Number	Certification Basis	Notes
Triton Aerospace LLC (Adam Aircraft)	A500	A00009DE	14 CFR Part 23 Amdt. 23-55	
Aerostar Aircraft Corporation	PA-60-600 (Aerostar 600), PA-60-601 (Aerostar 601), PA-60-601P (Aerostar 601P), PA-60-602P (Aerostar 602P)	A17WE	14 CFR Part 23 Amdt. 23-6	
	PA-60-700P (Aerostar 700P)	A17WE	14 CFR Part 23 Amdt. 23-6	
Alexandria Aircraft (Bellanca)	14-19, 14-19-2, 14-19-3, 14-19-3A, 17-30, 17-31, 17-31TC	1A3	CAR 3 Amdt.03-1 thru 03-4	
	17-30A, 17-31A, 17-31ATC	A18CE	14 CFR Part 23 Amdt. 23-6	
Cessna Aircraft Company	140A	5A2	CAR 3	
	150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, 150L, A150L, 150M, A150K, A150M	3A19	CAR 3 Amdt. 3-4	
	152, A152			
	170, 170A, 170B	A-799	170: CAR 3 Amdt. 3-3 170A: CAR 3 Amdt. 3-4 170B: CAR 3 Amdt. 3-2	
	172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S,	3A12	172-172Q: CAR 3, Amdt. 3-12 172R-172S: 14 CFR Part 23 Amdt. 23-6	
	172RG, P172D, R172E, R172F, R172G, R172H, R172J, R172K, 175, 175A, 175B, 175C	3A17	CAR 3	
	177, 177A, 177B	A13CE	14 CFR Part 23 Amdt. 23-3	
	177RG	A20CE	14 CFR Part 23 Amdt. 23-6	

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Aircraft Make	Aircraft Model(s)	Type Certificate Number	Certification Basis	Notes
	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K	5A6	180, 180A, 180B: CAR 3 Amdt. 3-8 180C-180H: CAR 3 Amdt. 3-12 180J-180K: CAR 3 Amdt. 3-12	
	182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, 182S, 182T, R182, T182, T182T, TR182	3A13	CAR 3 Amdt. 3-12, 14 CFR Part 23	
	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F	3A24	CAR 3 Amdt. 3-5	
	190, 195, 195A, 195B	A-790	CAR 3	
	206, 206H, P206, P206A, P206B, P206C, P206D, P206E, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, T206H, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G	A4CE	CAR 3 Amdt. 3-8,	
	207, 207A, T207, T207A	A16CE	14 CFR Part 23 Amdt. 23-6	
	208, 208A, 208B	A37CE	14 CFR Part 23 Amdt. 23-28	
	210, 210A, 210B, 210C, 210D, 210E, 210F, 210G, 210H, 210J, 210K, 210L, 210M, 210N, 210R, 210-5 (205), 210-5A (205A), P210N, P210R, T210F, T210G, T210H, T210J, T210K, T210L, T210M, T210N, T210R	3A21	CAR 3 Amdt. Original	
	T303	A34CE	14 CFR Part 23 Amdt. 23-31	
	310, 310A (USAF U-3A), 310B, 310C, 310D, 310E (USAF U-3B), 310F, 310G, 310H, 310I, 310J, 310J-1, 310K, 310L, 310N, 310P, E310H, E310J, T310P, 310Q, T310Q, 310R, T310R	3A10	CAR 3 Amdt. 3-10	
	320, 320-1, 320A, 320B, 320C,	3A25	320 Series: CAR	

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	320D, 320E, 320F 340, 340A, 335, 340, 340A		3 Amdt. 3-5 340 Series: CAR 3 Amdt. 3-5 and 3-8	
	336	A2CE	CAR 3 Amdt. 3-5	
	337, 337A (USAF O2B), 337B, 337C, 337D, 337E, 337F, 337G, 337H, M337B (USAF O2A), P337H, T337B, T337C, T337D, T337E, T337F, T337G, T337H, T337H-SP	A6CE	337, 337A, M337B: CAR 3 Amdt. 3-8 337B, T337B, 337C, T337C, 337D, T337D, 337E, T337E, 337F, T337F, 337G, T337G, 337H, T337H T337H, T337H- SP: 14 CFR Part 23, Amdt. 23-3	
	401, 401A, 401B, 402, 402A, 402B, 402C, 411, 411A, 414, 421, 421A, 421B, 421C, 425	A7CE	CAR3 Amdt. 3-8	
	414A	A7CE	CAR3 Amdt. 3-8	Reference Master Document List for additional installation data
	404, 406	A25CE	14 CFR Part 23 Amdt. 23-13	
	LC40-550FG, LC41-550FG, LC42- 550FG	A00003SE	14 CFR Part 23 Amdt. 23-46	
	441	A28CE	14 CFR Part 23 Amdt. 23-14	
	501, 551	A27CE	14 CFR Part 23 Amdt. 23-16	
	525, 525A	A1W1	525: 14 CFR Part 23 Amdt. 23-38 and 23-40. 525A: 14 CFR Part 23 Amdt. 23-40	

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Aircraft Make	Aircraft Model(s)	Type Certificate Number	Certification Basis	Notes
	F150F, F150G, F150H, F150J, F150K, F150L, F150M, F152, FA150K, FA150L, FA152, FRA150L, FRA150M	A13EU	CAR3 Amdt. 3-4	
	F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P	A4EU	CAR3 Amdt. 3-8	
	F177RG	A26EU	14 CFR Part 23 Amdt. 23-6	
	F337E, FT337E, F337F, FT337F, F337G, FT337GP, FT337H, FT337HP	A23EU	14 CFR Part 23 Amdt. 23-6	
Cirrus	SR-20, SR-22, SR22T	A00009CH	14 CFR Part 23 Amdt. 23-47	Reference Master Document List for additional installation data
CPAC, Inc (Commander Aircraft)	112, 114, 112TC, 112B, 112TCA, 114A, 114B, 114TC	A12SO	14 CFR Part 23 Amdt. 7	
Viking Air Limited	DHC-2 Mk. I, DHC-2 Mk. II, DHC-2 Mk. III	A-806	CAR 3	
(de Havilland Inc.)	(Twin Otter) DHC-6-1, DHC-6-100, DHC-6-200, DHC-6-300	A9EA	CAR3 Amdt. 3-8	
Diamond Aircraft Industries	DA 20-A1, DA20-C1	TA4CH	14 CFR Part 23 Amdt. 23-42	
	DA40, DA40F	A47CE	14 CFR Part 23 Amdt. 23-51	
	DA42, DA 42 NG, DA 42 M-NG	A57CE	14 CFR Part 23 Amdt. 23-55	
M7 Aerospace (Fairchild)	SA26-T, SA26-AT, SA226-T, SA226-AT, SA226-T(B), SA227-AT, SA227-TT	A5SW	CAR3 Amdt. 3-8	
	SA-226-TC, SA227-AC (C-26A), SA227-BC (C-26A), SA227-PC	A8SW	14 CFR Part 23 Amdt. 23-6	
	SA227-CC, SA227-DC	A18SW	14 CFR Part 23 Amdt. 23-34 plus 23-39	

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Maule Aerospace Technology, Inc.	Bee Dee M-4, M-5-180C, MXT-7-160, M-4, M-5-200, MX-7-180A, M-4C, M-5-210C, MXT-7-180, M-4S, M-5-210TC, MX-7-180B, M-4T, M-5-220C, MXT-7-420, M-4-180C, M-5-235C, M-7-235B, M-4-180S, M-6-180, M-7-235A, M-4-180T, M-6-235, M-7-235C M-4-210 M-7-235 MX-7-180C, M-4-210C, MX-7-235, M-7-260, M-4-210S MX-7-180 MT-7-260, M-4-210T, MX-7-420, M-7-260C, M-4-220, MXT-7-180, M-7-420AC, M-4-220C, MT-7-235, MX-7-160C, M-4-220S, M-8-235, MX-7-180AC, M-4-220T, MX-7-160	3A23	CAR 3 Amdt. 3-5	
Mitsubishi Heavy Industries, Ltd.	MU-2B, MU-2B-10, MU-2B-20, MU-2B-15, MU-2B-30, MU-2B-35, MU-2B-25, MU-2B-36, MU-2B-26	A2PC	CAR 3 Amdt. 3-8	
	MU-2B-25, MU-2B-35, MU-2B-26, MU-2B-36, MU-2B-26A, MU-2B-36A, MU-2B-40, MU-2B-60	A10SW	CAR 3 Amdt. 3-8	
Mooney Aircraft Corp.	M20, M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20L, M20M, M20R, M20S	2A3	M20-M20G: CAR 3, Amdt. Original M20J-M20L: CAR 3, Amdt. 3-13 M20M-M20S: CAR 3 and Part 23 where applicable	
	M22	A6SW	CAR 3 Amdt. 3-8	
Vulcanair S.p.A. (Partenavia Costruzioni Aeronauticas S.p.A.)	P 68, P 68B, P 68C, P 68C-TC, P 68 "OBSERVER", AP68 TP series 300, P68TC "OBSERVER", AP68TP 600, P68 "OBSERVER 2"	A31EU	14 CFR Part 23, Amdt. 23-6	
	"SPARTACUS", AP68TP 600 "VIATOR", VA300	A31EU	14 CFR Part 23	
Piaggio Aero Industries S.p.A.	P-180	A59EU	14 CFR Part 23, Amdt. 23-33	

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Aircraft Make	Aircraft Model(s)	Type Certificate Number	Certification Basis	Notes
Pilatus Aircraft Limited	PC-12, PC-12/45	A78EU	14 CFR Part 23, Amdt. 23-42	
	PC-6, PC-6-H1, PC-6-H2, PC-6/350, PC-6/350-H1, PC-6/350-H2, PC-6/A, PC-6/A-H1, PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, PC-6/C1-H2	7A15	CAR3, Amdt. 3-5	
Piper Aircraft	PA-28-160, PA-28-150, PA-28-180, PA-28S-160, PA-28S-180, PA-28-235, PA-28-140 2 PCLM, PA-28-140 4 PCLM, PA-28R-180, PA-28R-200, PA-28R-200, PA-28-180, PA-28-235, PA-28-151, PA-28-181, PA-28-181, PA-28-161, PA-28-161, PA-28-161, PA-28R-201, PA-28R-201T, PA-28-236, PA-28RT-201, PA-28RT-201, PA-28RT-201T, PA-28-201T	2A13	Piper-28-140 and -151: CAR 3, Amdt. 3-2 and 3-4 PA-28-150, -160, -180, -235, 28S-160, 28S-18, 28R-180, 28R-200: CAR 3 Amdt. 3-1 and 3-2 PA-28-161: CAR 3 Amdt. 3-1 and 3-2 PA-28-181: CAR 3 Amdt 3-2 and 3-4 PA-28R-201: CAR 3 Amdt. 3-1 and 3-2 PA-28R-201T: CAR 3 Amdt 3-2 PA-28RT-201: CAR 3 Amdt 3-2 PA-28-201T: CAR 3 Amdt. 3-2	
	PA-32-260, PA-32-300, PA-32S-300, PA-32R-300, PA-32RT-300, PA-32RT-300T, PA-32R-301, PA-32R-301, PA-32R-301T, PA-32-301, PA-32-301T, PA-32R-301T	A3SO	CAR 3 Amdt. 3-8	
	PA-23, PA-23-160, PA-23-250 (Navy UO-1), PA-23-235, PA-E23-250, PA-23-250	1A10	CAR 3 Amdt 3-9	
	PA-30, PA-39, PA-40	A1EA	CAR 3 Amdt. 3-6	
	PA-31, PA-31-300, PA-31-325, PA-31-350	A20SO	CAR 3 Amdt. 3-8	

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Aircraft Make	Aircraft Model(s)	Type Certificate Number	Certification Basis	Notes
	PA-31P, PA-31T, PA-31T1, PA-31T2, PA-31T3, PA-31P-350	A8EA	CAR 3 Amdt. 3-8	
	PA-24-250, PA-24-260, PA-24-400	1A15	CAR 3 Amdt. 3-12	
	PA-34-200, PA-34-200T, PA-34-220T, PA-34-220T, PA-34-220T	A7SO	14 CFR Part 23 Amdt. 23-6	
	PA-42, PA-42-720, PA-42-720R, PA-42-1000	A23SO	14 CFR Part 23 Amdt. 23-16	
	PA-44-180, PA-44-180, PA-44-180T	A19SO	14 CFR Part 23 Amdt. 23-16	
	PA-38-112	A18SO	14 CFR Part 23 Amdt 23-16	
	PA-46-310P, PA-46-350P, PA-46R-350T, PA-46-500TP	A25SO	14 CFR Part 23 Amdt. 23-25	
Hawker Beechcraft (Raytheon Aircraft)	19A, B23, B19, C23, M19A, A24, 23 A24R, A23, B24R, A23A, C24R, A23-19, A23-24	A1CE	CAR 3 Amdt 3-5	
	H35, J35, K35, M35, 35-33, N35, 35-A355, 35-B33, P35, S35, 35-C33, E33, F33, V35, V35A, V35B, 35-C33A, E33A, E33C, 36, A36, F33A, F33C, G33, A36TC, B36TC	3A15	CAR 3 Amdt 3-8	
	95, B95, 95-55 and 95-A55, B95A, D95A and E95, 95-B55 and 95-B55A, 95-B55B, 95-C55, D55, 95-C55A, D55A, E55 and E55A, 56TC and A56TC, 58 and 58A	3A16	CAR 3 Amdt. 23-12	
	58P and 58PA, 58TC and 58TCA	A23CE	14 CFR Part 23 Amdt. 23-12	
	50 (L-23A), B50 (L-23B)	5A4	CAR 3 Amdt. 3-5	
	200 (A100-1 (U-21J)), 200C, 200CT, 200T, A200 (C-12A) or (C-12C), A200C (UC-12B), A200CT (C-12D) or (FWC-12D) or (RC-12D) or (C-12F) or (RC-12G) or (RC-12H) or (RC-12K) or (RC-12P) B200, B200C (C-12F) or (UC-12F) or (UC-12M), or (C-12R), B200CT, B200T, 300, B300, B300C, 300LW, 1900, 1900C (C-12J), 1900D	A24CE	14 CFR Part 23 Amdt. 23-11	

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	A100 (U-21F), A100A, A100C, B100	A14CE	14 CFR Part 23 Amdt. 23-3	
	F90	A31CE	14 CFR Part 23 Amdt. 23-16	
	E50 (L-23D, RL-23D), C50, F50, D50 (L-23E), G50, D50A H50, D50B, J50, D50C, D50E, D50E-5990	5A4	Model 50: CAR 3 Amdt. 5 Model B50-J50: CAR 3 Amdt. 3-7	
	60, A60, B60	A12CE	14 CFR Part 23 Amdt. 23-3	
	65, 65-A90-1, A65, 65-A90-2, A65-8200, 65-A90-3, 65-80, 65-A90-4, 65-A80, 65-A80-8800, 65-B80, 65-88, 65-90, 65-A90, 70, B90, C90, C90A, C90GT, E90, H90, C90GTi	3A20	CAR3, Amdt. 3-1, 3-2, and 3-8 14 CFR Part 23	
	D18C, D18S, E18S, E18S-9700, G18S, H18	A-765	CAR3 Amdt. 3-14	
REVO, Incorporated	Colonial C-1, Colonial C-2, Lake LA-4, LA-4A, LA-4P, Lake LA-4-200, Lake 250	1A13	14 CFR Part 23 Amdt. 23-23	
SOCATA - Groupe AEROSPATIAL E	TB 20, TB 10, TB 21, TB9, TB 200	A51EU	14 CFR Part 23 Amdt. 23-16	
	TBM 700	A60EU	14 CFR Part 23 Amdt. 23-34	
True Flight Holdings LLC (American General)	AA-1, AA-1A, AA-1B, AA-1C	A11EA	14 CFR Part 23 Amdt. 23-2	
	AA-5, AA-5A, AA-5B, AG-5B	A16EA	14 CFR Part 23 Amdt. 23-8	
Twin Commander	500, 520, 560, 560-A, 560-E, 500-A, 500-B, 500-S, 500-U	6A1	520: CAR 3 Amdt. 3-6 560: CAR 3 Amdt. 3-11 500, 560-A, 560-E: CAR 3 Amdt. 3-12 500-A, 500-B, 500-S, 500-U: Amdt. 3-3 and 3-4	
	560-F, 681, 680, 690, 680E, 685, 680F, 690A, 720, 690B, 680FL,	2A4	680, 680E: CAR 3	

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Avidyne Traffic Advisory System**Approved Model List**

Aircraft Make	Aircraft Model(s)	Type Certificate Number	Certification Basis	Notes
	690C, 680FL(P), 690D, 680T, 695, 680V, 695A, 680W, 695B		Amdt 3-12 720: CAR 3 Amdt 3-2 560, 680F, 680FL: CAR 3 Amdt.3-3 and 3-4 680F, 680FL: CAR 3 Amdt. 3-4 680T: CAR 3 Amdt. 3-2 680V, 680W, 681: CAR 3 Amdt. 3-4 and 3-6 690, 690A 690B: CAR 3 Amdt. 3-4 and 3-6 685: CAR 3 Amdt. 3-4 and 3-6 690C, 695: CAR 3 Amdt. 3-4 and 3-6 695A, 690D: CAR Amdt. 3-4 and 3-6 695B: CAR 3 Amdt. 3-4 and 3-6	
	700	A12SW	14 CFR Part 23 Amdt. 23-14	

FAA Approved Date: **MAY 02 2011***Confidential property of Avidyne Corporation*

AVTAS-019

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