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Department of Transport

Supplemental Type Certificate

This approval is issued to:

Technisonic Industries Limited
240 Traders Boulevard East
Mississauga, Ontario
Canada L4Z 1W7

Number: SH97-10

Issue No.: 21

Approval Date: February 11, 1997

Issue Date: October 19, 2009

Responsible Office:

Ontario

Aircraft/Engine Type or Model:

See eligibility list (on continuation sheet)

Canadian Type Certificate or Equivalent:

See eligibility list (on continuation sheet)

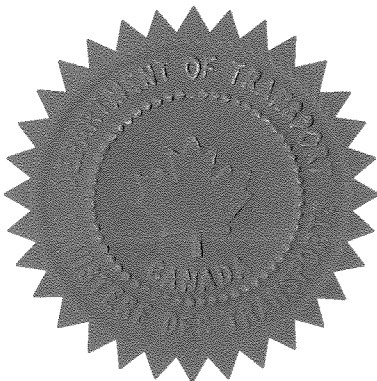
Description of Type Design Change:

Installation of Technisonic Industries Limited Transceiver.

- TFM-138, -138A, -138B, -138C FM Transceiver
- TFM-403 UHF/FM Transceiver
- TFM-500 VHF/UHF FM Transceiver
- TFM-30 VHF low band FM Transceiver
- RC-500 Remote Control
- TDFM-136 VHF/FM Transceiver
- TFM-550 VHF High/VHF Low/UHF Multi-band Transceiver
- RC-550 VHF/UHF/VHF Low FM Transceiver Remote Control Head
- ATC-550 Antenna Tuner Controller
- TDFM-600/6000 Series VHF/UHF Low/UHF High/800 MHz Multi-band Transceiver
- RC-6000 Remote Control Head
- TFM-530 VHF/VHF Low FM Multi-band Transceiver
- TFM-566 VHF/VHF Low FM Multi-band Transceiver
- AMS-6000 Audio Mode Selector
- TFM-66 VHF Low Band FM Transceiver
- TFM-556 VHF High/VHF Low/UHF Multi-band FM Airborne Transceiver
- TDFM-7000 VHF/UHF Low/UHF High/800 MHz Multi-band Transceiver
- RC-7000 Remote Control Head
- TDFM-7300 VHF Low/VHF High/UHF Low/UHF High/800 MHz Multi-band Transceiver
- RC-7300 Remote Control Head
- TDFM-136A Transceiver

(See continuation sheet)

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.



Vlad Vujosevic

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For Minister of Transport

Canada

*(Continuation Sheet)*

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

Basis Of Certification:

AWM 527, 1st Edition, Change 3, January 3, 1994. FAR 27, as of Amendment 27-40, Effective May 9, 2001. AWM 529, 1st Edition, Change 3, January 3, 1994. FAR 29, as of Amendment 29-47, Effective May 9, 2001.

Manufacturing Data:

The TFM-138, -138A, -138B and -138C FM Transceiver models are manufactured to TIL Engineering Release 921012, Rev. B, dated November 24, 1997

The TFM-403 UHF/FM Transceiver model is manufactured to TIL Engineering Release 941059, Rev. A, dated Oct. 27/99, or later Transport Canada approved revision.

The TFM-500 VHF/UHF FM Transceiver model is manufactured to TIL Engineering Release 971083, Rev. N/C, dated March 16, 1999, or later Transport Canada approved revision.

The TFM-30 VHF low band FM Transceiver model is manufactured to TIL Engineering Release 961082, Rev. N/C, dated Apr. 19, 1999, or later Transport Canada approved revision.

The Remote Control RC-500 model is manufactured to TIL Engineering Release 991097, Rev. N/C, dated Nov. 17, 1999, or later Transport Canada approved revision.

The TDFM-136 VHF/FM Transceiver model is manufactured to TIL Engineering Release 981087, Rev. N/C, dated Jan. 13, 2000, or later Transport Canada approved revision.

The TFM-550 VHF High/VHF Low/UHF Multi-band Transceiver model is manufactured to TIL Engineering Release 991095, Rev. N/C, dated March 1, 2000, or later Transport Canada approved revision.

The RC-550 VHF/UHF/VHF Low FM Transceiver Remote Control Head model is manufactured to TIL Engineering Release 991099, Rev. N/C, dated March 27, 2000, or later Transport Canada approved revision.

The ATC-550 Antenna Tuner Controller model is manufactured to TIL Engineering Release 991102, Rev. N/C, dated March 20, 2000, or later Transport Canada approved revision.

The TDFM-600/6000 Series VHF/UHF Low/UHF High/800 MHz Multi-band Transceiver is manufactured to TIL Engineering Release 011210, Revision A, dated June 20, 2004, or later Transport Canada approved revision.

The Remote Control RC-6000 model is manufactured to TIL Engineering Release 021213, Rev. N/C, dated October 17, 2002, or later Transport Canada approved revision.

The TFM-530 VHF/VHF Low FM Multi-band Transceiver model is manufactured to TIL Engineering Release 031216, Rev. N/C, dated April, 2003, or later Transport Canada approved revision.

The TFM-566 VHF/VHF Low FM Multi-band Transceiver model is manufactured to TIL Engineering Release 031217, Rev. N/C, dated April, 2003, or later Transport Canada approved revision.



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The AMS-6000 Audio Mode Selector model is manufactured to TIL Engineering Release 031220, Rev. N/C, dated August, 2003, or later Transport Canada approved revision.

The TFM-66 VHF Low Band FM Transceiver model is manufactured to TIL Engineering Release 031218, Rev. N/C, dated September 19, 2003, or later Transport Canada approved revision.

The TFM-556 VHF High/VHF Low/UHF Multi-band FM Airborne Transceiver model is manufactured to TIL Engineering Release 031219, Rev. N/C, dated September 23, 2003, or later Transport Canada approved revision.

The TDFM-7000 VHF/UHF Low/UHF High/800 MHz Multi-band Transceiver is manufactured to TIL Engineering Release 051240-1, Rev. --, dated February 3, 2006 or Engineering Release 051240-2, Rev. --, dated February 3, 2006 or Engineering Release 051240-3, Rev. --, dated February 3, 2006 or Engineering Release 051240-4, Rev. --, dated February 3, 2006 or later Transport Canada approved revision.

The RC-7000 remote control is manufactured to TIL Engineering Release 051242-1 Rev.--, dated June 19, 2006 or Engineering Release 051242-2, Rev. --, dated June 19, 2006 or later Transport Canada approved revision.

The TDFM-7300 VHF Low/VHF High/UHF Low/UHF High/800 MHz Multi-band Transceiver is manufactured to TIL Engineering Release 061245-1 Rev. - dated October 27, 2008, or Engineering Release 061245-2 Rev. - dated October 27, 2008, or Engineering Release 061245-3 Rev. - dated October 27, 2008, or Engineering Release 061245-4 Rev. - dated October 27, 2008, or later Transport Canada approved revision.

The RC-7300 remote control is manufactured to TIL Engineering Release 061247-1 Rev. --, dated December 22, 2008 or Engineering Release 061247-2 Rev. --, dated December 22, 2008 or later Transport Canada approved revision.

The TDFM-136A Transceiver is manufactured to TIL Engineering Release 091258-1-10 Rev. -, dated April 22, 2009, or TIL Engineering Release 091258-1-11 Rev. -, dated April 22, 2009, or TIL Engineering Release 091258-2-10 Rev.-, dated April 22, 2009, or TIL Engineering Release 091258-2-11 Rev. -, dated April 22, 2009, or TIL Engineering Release 091258-3-10 Rev. -, dated April 22, 2009, or TIL Engineering Release 091258-3-11 Rev. -, dated April 22, 2009, or TIL Engineering Release 091258-4-10 Rev. -, dated April 22, 2009, or TIL Engineering Release 091258-4-11 Rev. -, dated April 22, 2009, or TIL Engineering Release 091258-5-10 Rev. -, dated April 22, 2009, or TIL Engineering Release 091258-5-11 Rev. -, dated April 22, 2009, or TIL Engineering Release 091258-6-10 Rev. -, dated April 22, 2009, or TIL Engineering Release 091258-6-11 Rev. -, dated April 22, 2009, or later Transport Canada approved revision.

Installation Data:

For the TFM-138, -138A and -138B, (does not include TFM-138, s/n 1540 and up, TFM-138B, s/n 1500 and up) installation must be in accordance with TIL Installation and Operating Manual 95RE177, Revision E, dated April 1998, or later TC approved revision.

For the TFM-138B, installation must be in accordance with TIL Installation and Operating Instructions Manual 97RE221, Revision N/C, dated November 1997, or later approved revision.

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

For the TFM-138C, installation must be in accordance with TIL Installation and Operating Instructions Manual 96RE192, Revision B, dated January 1997, or later TC approved revision.

For the TFM-138 (s/n's 1540 and up with F10-B Software), installation must be in accordance with TIL Installation and Operating Instructions Manual 98RE229, Revision N/C, dated March 1998, or later TC approved revision.

For the TFM-403, installation must be in accordance with TIL Installation and Operating Instructions Manual 95RE175, Revision A, dated July 1998, or later TC approved revision.

For the TFM-500, installation must be in accordance with TIL Installation and Operating Instructions Manual 98RE243, Revision N/C, dated May 1999, or later TC approved revision.

For the TFM-30, installation must be in accordance with TIL Installation and Operating Instructions Manual 98RE244, Revision N/C, dated August 1999, or later TC approved revision.

For the RC-500, installation must be in accordance with TIL Installation and Operating Instructions Manual 99RE260, Revision N/C, dated January 2000, or later TC approved revision.

For the TDFM-136 VHF/FM Transceiver, installation must be in accordance with TIL Installation and Operating Instructions Manual 99RE255, Revision A, dated March 2000, or later TC approved revision.

For TFM-550 VHF High/VHF Low/UHF Multi-band FM Transceiver, installation must be in accordance with TIL Installation and Operating Instructions Manual 99RE262, Revision A, dated April 2000, or later TC approved revision.

For the RC-550 VHF/UHF/VHF Low FM Transceiver Remote Control Head, installation must be in accordance with TIL Installation and Operating Instructions Manual 00RE270, Revision N/C, dated March 7, 2000, or later TC approved revision.

For the ATC-550 Antenna Tuner Controller, installation must be in accordance with TIL Installation and Operating Instructions Manual 00RE269, Revision A, dated May 8, 2000, or later TC approved revision.

For the TDFM-600/6000 Series VHF/UHF Low/ UHF High/800 MHz Multi-band Transceiver, installation must be in accordance with TIL Installation and Operating Instructions Manual 01RE293, Revision F, dated July, 2004, or later TC approved revision.

For the RC-6000, installation must be in accordance with TIL Installation and Operating Instructions Manual 02RE299, Revision A, dated November 2002, or later TC approved revision.

For the TFM-530 VHF/VHF Low FM Multi-band Transceiver, installation must be in accordance with TIL Installation and Operating Instructions Manual 03RE317, Rev. B, dated September, 2003, or later TC approved revision.



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For the TFM-566 VHF/VHF Low FM Multi-band Transceiver, installation must be in accordance with TIL Installation and Operating Instructions Manual 03RE318, Rev. B, dated September, 2003, or later TC approved revision.

For the AMS-6000 Audio Mode Selector, installation must be in accordance with TIL Installation and Operating Instructions Manual 03RE325, Rev. N/C, dated June, 2003, or later TC approved revision.

For the TFM-66 VHF Low Band FM Transceiver, installation must be in accordance with TIL Installation and Operating Instructions Manual 03RE320, Rev. N/C, dated March, 2003, or later TC approved revision.

For the TFM-556 VHF High/VHF Low/UHF Multi-band FM Airborne Transceiver, installation must be in accordance with TIL Installation and Operating Instructions Manual 03RE328, Rev. N/C, dated September, 2003, or later TC approved revision.

For the TDFM-7000 VHF/UHF Low/ UHF High/800 MHz Multi-band Transceiver, installation must be in accordance with TIL Installation and Operating Instructions Manual 05RE375, Revision N/C, dated December, 2005, or later TC approved revision.

For the RC-7000, installation must be in accordance with TIL Installation and Operating Instructions Manual 06RE377, Rev. N/C, dated June 2006, or later Transport Canada approved revision.

For the TDFM-7300 30-50 MHz/VHF/UHF Low/UHF High/800MHz Multi-band Transceiver, installation must be in accordance with TIL Installation and Operating Instructions Manual 08RE389, Revision A, dated July 2008, or later Transport Canada approved revision.

For the RC-7300, installation must be in accordance with TIL Installation and Operating Instructions Manual 08RE400 Rev. N/C, dated November 2008, or later Transport Canada approved revision.

For the TDFM-136A, installation must be in accordance with TIL Installation Instructions 09RE404, Rev. C, dated June 2009, or later Transport Canada approved revision.

Maintenance Data:

Maintenance of the TDFM-600/6000 Series VHF/UHF Low/ UHF High/800 MHz Multi-band Transceiver, and RC-6000 Remote Control Head must be in accordance with Technisonic Industries Limited Instructions for Continued Airworthiness MMS02090-1 Rev. A, accepted December 12, 2003, or later Transport Canada accepted revisions.

Maintenance of the TFM-530 and TFM-566 VHF/VHF Low FM Transceiver must be in accordance with Technisonic Industries Limited Instructions for Continued Airworthiness MMS03055-2 Rev. N/C, accepted July 16, 2003, or later Transport Canada accepted revisions.

Maintenance of the AMS-6000 Audio Mode Selector must be in accordance with Technisonic Industries Limited Instructions for Continued Airworthiness MMS02090-2 Rev. A, accepted December 12, 2003, or later Transport Canada accepted revisions.



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Maintenance of the TFM-66 VHF Low Band FM Transceiver and TFM-556 VHF High/VHF Low/UHF Multi-band FM Airborne Transceiver must be in accordance with Technisonic Industries Limited Instructions for Continued Airworthiness MMS03099-2 Rev. N/C, accepted February 5, 2004, or later Transport Canada approved revisions.

Eligibility List

MAKE	MODELS	CANADIAN TC	FAA TC
Agusta	A109A, A109A II	H-82	H7EU
Bell Helicopter Textron	204B, 205A-1	(1)	H1SW
Bell Helicopter Textron	214B, 214B-1	H-80	H6SW
Bell Helicopter Textron	212, 412	H-86	H4SW
Bell Helicopter Textron	222, 222B/U, 230, 430	H-88	H9SW
Bell Helicopter Textron	206A, A-1, B, L, L-1, L-3, L-4, 407	H-92 (4)	H2SW
Boeing Defense & Space Group	234	H-96	H9EA
Enstrom	480	H-99	H1CE
Eurocopter	EC 120 B	H-102	R0001RD
Eurocopter Canada	BO105 LS A-3	H-94	H6NE
Eurocopter Deutschland	BO105 C, BO105 S	H-79 (2)	H3EU
Eurocopter Deutschland	BK117 A1 (D), A-3 (D), A-4 (D), BK117 B-1 (D), B-2 (D)	H-90 (5)	H13EU
Eurocopter France	SA341 G	H-77	H6EU
Eurocopter France	SA315 B, SA316 B/C, SA319 B, SE3160	H-72	H1IN
Eurocopter France	SA3180, SA318 B/C, SE3130, SE313 B	H-74	7H1
Eurocopter France	AS332 C/L, SA330 F/G/J	H-78	H4EU
Eurocopter France	SA360 C	H-81	H8EU
Eurocopter France	AS350 B, B1, B2, B3, BA, C, D, D1	H-83	H9EU
Eurocopter France	SA365 C, C1, N	H-85	H10EU



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Eurocopter France	AS355 E, F, F1, F2	H-87	H11EU
Kaman Aerospace	K1200	H-98	TR7BO
McDonnell Douglas Helicopter	500N, 600N, 369, 369A, 369H, 369HM, 369HS, 369HE, 369D, 369E, 369F, 369FF	H-95	H3WE
Robinson	R44	H-97	H11NM
Sikorsky	S-61L, N	(1)	1H15
Sikorsky	S-76A, C	H-84	H1NE

Additional Notes

- (1) The FAA Type Certificate has been accepted by Transport Canada - no Canadian TC was issued.
- (2) Canadian TC H-79 applies to BO105 C Variants CDN, CDN-B, CDN-B-4, and BO105 S Variants CDN-BS, CDN-BS-4.
- (3) Reserved.
- (4) For the Bell 206A-1, no eligible helicopter serial numbers are defined on the Canadian TC. However, on FAA TC H2SW, serial numbers 39998 and subsequent are eligible.
- (5) Designator in parentheses applicable to Canadian TC only.

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