

ภาคผนวกแนบท้ายประกาศสำนักงานการบินพลเรือนแห่งประเทศไทย เรื่อง หลักเกณฑ์และวิธีการเทียบโอนคุณสมบัติของผู้ถือใบอนุญาตนายช่างภาคพื้นดิน และหลักเกณฑ์และวิธีการทดสอบความรู้และความชำนาญของผู้ที่มีความชำนาญที่ประสงค์ขอรับใบอนุญาตผู้ประจำหน้าที่นายช่างภาคพื้นดิน ลงวันที่

ภาคผนวก ข

Conversion Metrix

In order to take the Examination for Conversion of aircraft maintenance licence, the candidate shall submit to the officer the official application form with the following documents:

1. a copy of licence
- 2 Certificate of work experience
3. the relevance of documents as required

To pass the theoretical examination, the candidate must obtain 75% or more for such subjects.

To pass the theoretical examination, the candidate must pass all the theoretical test of the category of aircraft maintenance licence as detailed hereafter;

Item	Existing AML Licence				New AML Part-66 Licence			
	Existing type rating	Aircraft Group	Example of Aircraft Type	Demostration of current practical experience	Conversion modules Test/Training	New Basic Licence Category	New type rating endorsement	Limitation
1	Unpressurised piston engines - aeroplane below 5700 Kgs	None	None	None	1) Test Module 10 and pass	B3	"No rating"	Excluding - metal aeroplanes - composite aeroplanes - metal-tubing-fabric aeroplanes - wooden aeroplanes

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		Group 3 - Metal aeroplanes (MTOM < 2,000 Kgs.)	<ul style="list-style-type: none"> - Beech 76 (Lycoming) - Beech 19 Series (Lycoming) - Cessna 152/F152 Series (Lycoming) - Cessna 150/F150 Series (Continental) - Cessna 172/F172 Series (Lycoming) - Cessna 177 Series (Lycoming) - Cessna 182/F182 Series (Continental) - Cessna 182/F182 Series (Lycoming) - Cessna 206 Series (Lycoming) - Cessna 210 Series (Continental) - Aviat Husky A (Lycoming) - Grumman/American AA-5 Series (Lycoming) - Commander 114 (Lycoming) - Gippsland GA8 (Lycoming) - Mooney M20B to M20S/M22 (Lycoming) - Tecnam P2002 (Rotax) - Tecnam P2006T (Rotax) - Tecnam P92 (Rotax) 	Candidate must demonstrate 6/24 months or 100 days of experiences in Group 3 - Metal aeroplanes	1) Test Module 10 and pass	B3	"Piston-engine non-pressurised aeroplanes of 2,000 kg MTOM and below"	<ul style="list-style-type: none"> - composite aeroplanes - metal-tubing-fabric aeroplanes - wooden aeroplanes

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			<ul style="list-style-type: none"> - Piper PA-28 Series (Lycoming) - Piper PA-44 Series (Lycoming) - Czech Sport PS-28 (Rotax) - PZL-104A Wilga (Ivchenko) - Robin HR 200/ R 2000 series (Lycoming) - SOCATA TB Series (Lycoming) 					

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		Group 3 - Composite aeroplanes (MTOM < 2,000 Kgs.)	<ul style="list-style-type: none"> - Diamond DA40 (Lycoming) - Diamond DA40 D (Technify) - Diamond DA42 Series (Technify) - Diamond DA42 Series (Austro Engine) - Diamond DA20/DV20 (Rotax) - Extra EA-300 Series (Lycoming) - Cessna C300/C350/C400 (Continental) - Cirrus SR20 / SR22 / SR22T Series (Continental) - Pipistrel Virus (Rotax) 	Candidate must demonstrate 6/24 months or 100 days of experiences in Group 3 - Composite aeroplanes	1) Test Module 10 and pass	B3	"Piston-engine non-pressurised aeroplanes of 2,000 kg MTOM and below"	Excluding <ul style="list-style-type: none"> - metal aeroplanes - metal-tubing-fabric aeroplanes - wooden aeroplanes
		Group 3 - Metal-Tubing-Fabric aeroplanes (MTOM < 2,000 Kgs.)	- Maule MX-7 (Lycoming)	Candidate must demonstrate 6/24 months or 100 days of experiences in Group 3 - Metal-Tubing-Fabric aeroplanes	1) Test Module 10 and pass	B3	"Piston-engine non-pressurised aeroplanes of 2,000 kg MTOM and below"	Excluding <ul style="list-style-type: none"> - metal aeroplanes - composite aeroplanes - wooden aeroplanes

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		Group 3 - Wooden aeroplanes (MTOM < 2,000 Kgs.)	- Robin DR 300 series (Lycoming)	Candidate must demonstrate 6/24 months or 100 days of experiences in Group 3 - Wooden aeroplanes	1) Test Module 10 and pass	B3	"Piston-engine non-pressurised aeroplanes of 2,000 kg MTOM and below"	Excluding - metal aeroplanes - composite aeroplanes - metal-tubing-fabric aeroplanes
		Group 3 - Metal-Tubing-Fabric & Wooden aeroplanes (MTOM < 2,000 Kgs.)	- Champion 7 (Superior) - Waco YMF (Jacobs)	Candidate must demonstrate 6/24 months or 100 days of experiences in Group 3 - Metal-Tubing-Fabric & Wooden aeroplanes	1) Test Module 10 and pass	B3	"Piston-engine non-pressurised aeroplanes of 2,000 kg MTOM and below"	Excluding - metal aeroplanes - composite aeroplanes
		Group 3 - Metal & Composite aeroplanes (MTOM < 2,000 Kgs.)	- Tecnam P2008 (Rotax) - Tecnam P2010 (Lycoming)	Candidate must demonstrate 6/24 months or 100 days of experiences in Group 3 - Metal & Composite aeroplanes	1) Test Module 10 and pass	B3	"Piston-engine non-pressurised aeroplanes of 2,000 kg MTOM and below"	Excluding - wooden aeroplanes - metal-tubing-fabric aeroplanes
2	Aeroplanes Piston (Pressurized or	Group 3 aircraft - Pressurized aeroplane	- Piper PA-46 Pressurised (Lycoming)	Candidate must demonstrate 6/24 months or 100 days of experiences for	1) Test Module 10 and pass	B1.2	Individual Group 3 type rating i.a.w. Appendix I to	None

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	MTOM > 2000 Kgs.)			individual Type Rating			AMC to Part-66	
		Group 3 aircraft - MTOM > 2,000 Kgs. Composite-structure	- Diamond DA62 (Austro Engine)	Candidate must demonstrate 6/24 months or 100 days of experiences for individual Type Rating	1) Test Module 10 and pass	B1.2	Individual Group 3 type rating i.a.w. Appendix I to AMC to Part-66	None
		Group 3 aircraft - MTOM > 2,000 Kgs. Metal-structure	- Piper PA-31 Series (Lycoming)	Candidate must demonstrate 6/24 months or 100 days of experiences for individual Type Rating	1) Test Module 10 and pass	B1.2	Individual Group 3 type rating i.a.w. Appendix I to AMC to Part-66	None

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	Existing type rating	Aircraft Group	Example of Aircraft Type	Demostration of current practical experience	Conversion modules Test/Training	New Basic Licence Category	New type rating endorsement	Limitation
3	Aeroplanes Turbine	Group 1 aircraft: (Modern Large Aeroplanes)	<ul style="list-style-type: none"> - Boeing 737 600/700/800/900(CFM56) - Boeing 737-7/8/9 (CFM LEAP-1B) - Boeing 777-200/300 (RR Trent 800) - Boeing 777-200/300 (GE 90) - Boeing 787-8/9/10 (RR Trent 1000) - Airbus A318/A319/A320/A321 (CFM56) - Airbus A319/A320/A321 (IAE V2500) - Airbus A319/A320/A321 (CFM LEAP-1A) - Airbus A330 (RR Trent 700) - Airbus A330 (RR Trent 7000) - Airbus A340 (RR Trent 500) - Airbus A350 (RR Trent XWB) - Airbus A380 (RR Trent 900) - Gulfstream GV basic model (RRD BR710) - Gulfstream GVI (RRD BR725) 	<p>Option 1: Candidate CAN show 5 Years of Type Rating endorsement</p> <p>Option 2: Candidate CANNOT show 5 Years of Type Rating endorsement</p>	<p>Option 1: 1) Test Module 10 and pass</p> <p>Option 2: 1) 1) Test Module 10 and pass 2) Completed the B1.1 Basic bridging course at MTO</p>	B1.1	Individual Group 1 type rating i.a.w. Appendix I to AMC to Part-66	None

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	Existing type rating	Aircraft Group	Example of Aircraft Type	Demostration of current practical experience	Conversion modules Test/Training	New Basic Licence Category	New type rating endorsement	Limitation
			- Embraer EMB-135/145 (RR Corp AE3007A) - ATR 72-212A (PWC PW120)					

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	Existing type rating	Aircraft Group	Example of Aircraft Type	Demostration of current practical experience	Conversion modules Test/Training	New Basic Licence Category	New type rating endorsement	Limitation
		Group 1 aircraft: (Non-modern Large Aeroplanes)	<ul style="list-style-type: none"> - Cessna 510 (PWC PW615) - Cessna 500/550/560 (PWC JT15D) - Cessna 750 (RR AE3007C) - Boeing 737-300/400/500 (CFM56) - Boeing 747-200/300 (GE CF6) - Boeing 747-200/300 (PW JT9D) - Boeing 747-200/300 (RR RB211) - Boeing 747-400 (GE CF6) - Boeing 747-400 (PW 4000) - Boeing 747-400 (RR RB211) - Boeing 767-200/300 (PW 4000) - Boeing 767-200/300 (PW JT9D) - Boeing 767-200/300/400 (GE CF6) - Boeing 767-300 (RR RB211) - Beech 200 Series (PWC PT6) - Beech 300 Series (PWC PT6) 	Candidate must demonstrate the individual of Type Rating endorsement	<ul style="list-style-type: none"> 1) Test Module 10 and pass 2) Completed the B1.1 Basic bridging course at MTO 	B1.1	Individual Group 1 type rating i.a.w. Appendix I to AMC to Part-66	None

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	Existing type rating	Aircraft Group	Example of Aircraft Type	Demostration of current practical experience	Conversion modules Test/Training	New Basic Licence Category	New type rating endorsement	Limitation
			<ul style="list-style-type: none"> - BAe 125 Series (Honeywell TFE731) - BAe 125 Series 750/800XP/850XP/900XP (Honeywell TFE731) - Bombardier DHC-8-400 (PWC PW150) - Gulfstream (IAI) 200/Galaxy (PWC PW306) - Honda Aircraft HA-420 (HF120) - Socata TBM700 (PWC PT6) - ATR 42-200/300 series (PWC PW120) - ATR 72-100/200 series (PWC PW120) 					
		Group 2a aircraft	<ul style="list-style-type: none"> - Cessna 208 Series (PWC PT6) - PAC 750XL (PWC PT6) - Quest Kodiak 100 (PWC PT6) - Pilatus PC-6 (PWC PT6) 	Candidate must demonstrate the individual of Type Rating endorsement	<ul style="list-style-type: none"> 1) Test Module 10 and pass 2) Completed the B1.1 Basic bridging course at MTO 	B1.1	Individual Group 2a type rating i.a.w. Appendix I to AMC to Part-66	None

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	Existing type rating	Aircraft Group	Example of Aircraft Type	Demostration of current practical experience	Conversion modules Test/Training	New Basic Licence Category	New type rating endorsement	Limitation
4	Helicopters Turbine	Group 1 aircraft: (Modern Large Helicopters)	- Agusta AB139 / AW139 (PWC PT6) - Eurocopter MBB-BK 117 D2 (Turbomeca Arriel 2) - Eurocopter MBB-BK 117 D3 (Turbomeca Arriel 2) - Sikorsky S-76D (PW210S) - Sikorsky S-76C (Turbomeca Arriel 2)	Option 1: Candidate CAN show 5 Years of Type Rating endorsement Option 2: Candidate CANNOT show 5 Years of Type Rating endorsement	Option 1: 1) Test Module 10 and pass Option 2: 1) Test Module 10 and pass 2) Completed the B1.3 Basic bridging course at MTO	B1.3	Individual Group 1 type rating i.a.w. Appendix I to AMC to Part-66	None
		Group 1 aircraft: (Non-modern Large Helicopters)	- Bell 412 / Agusta AB412 (PWC PT6) - Sikorsky S-76C (Turbomeca Arriel 1) - Eurocopter EC 135 (PWC PW206) - Eurocopter MBB-BK 117 C2 (Turbomeca Arriel 1)	Candidate must demonstrate the individual of Type Rating endorsement	1) Test Module 10 and pass 2) Completed the B1.3 Basic bridging course at MTO	B1.3	Individual Group 1 type rating i.a.w. Appendix I to AMC to Part-66	None
		Group 2b aircraft	- Eurocopter AS 350 (Turbomeca Arriel 2) - Eurocopter EC 130 (Turbomeca Arriel 2)	Candidate must demonstrate the individual of Type Rating endorsement	1) Test Module 10 and pass 2) Completed the B1.3 Basic bridging course at MTO	B1.3	Individual Group 2b type rating i.a.w. Appendix I to AMC to Part-66	None
5	Helicopters Piston	Group 2c aircraft	- Robinson R22/R44 Series (Lycoming)	Candidate must demonstrate the	1) Test Module 10, 12 and pass	B1.4	Individual Group 2c type rating	None

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	Existing type rating	Aircraft Group	Example of Aircraft Type	Demostration of current practical experience	Conversion modules Test/Training	New Basic Licence Category	New type rating endorsement	Limitation
				individual of Type Rating endorsement			i.a.w. Appendix I to AMC to Part-66	
6	Composite powered sailplanes	Group 4 aircraft (L2C)	- GROB Aircraft G109 B	Applicable for B3 privilege holder; Candidate must demonstrate 6/24 months or 100 days of experiences for L2C maintenance tasks	1) Test Module 8L, 12L and pass	L2C	"Composite powered sailplanes and composite LA1 aeroplanes"	None
7	Hot-air balloons	Group 4 aircraft (L3H)	- CAMERON A-140 - CAMERON A-210 - CAMERON HAB Z TYPE - CAMERON HAB Z-105 - CAMERON N - CAMERON Z-120 - CAMERON O-105	Applicable for B3 privilege holder; Candidate must demonstrate 6/24 months or 100 days of experiences for L3H maintenance tasks	1) Test Module 9L and pass	L3H	"Hot-air balloons"	None

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	Existing type rating	Aircraft Group	Example of Aircraft Type	Demostration of current practical experience	Conversion modules Test/Training	New Basic Licence Category	New type rating endorsement	Limitation
8	Aeroplanes / Helicopters (Avionics maintenance)	All aircraft groups	All standard aircraft models	<p>Option 1: Applicable for B1 privilege holder; -Candidate must demonstrate 6/24 months or 100 days of experiences for B2 maintenance tasks</p> <p>Option 2: Applicable for non-B1 privilege holder; -Candidate must demonstrate 6/24 months or 100 days of experiences for B2 maintenance tasks</p>	<p>Option 1: 1) Test Module 13 and pass</p> <p>Option 2: 1) Module 10 plus module 5, 7, 13, 14 and pass</p>	B2	Individual type rating i.a.w. Appendix I to AMC to Part-66	None
9	Aeroplanes / Helicopters (Base maintenance)	All aircraft groups	All standard aircraft models	<p>Applicable for B1 or B2 privilege holder with Type Rating;</p> <p>-Candidate must demonstrate 3 Years of experience in Base maintenance.</p>	None	C	Individual type rating i.a.w. Appendix I to AMC to Part-66	None

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	Existing type rating	Aircraft Group	Example of Aircraft Type	Demostration of current practical experience	Conversion modules Test/Training	New Basic Licence Category	New type rating endorsement	Limitation
10	Unpressurised piston engines - aeroplane below 5,700 kgs	All B1.1 or B1.3 aircrafts	All standard B1.1 or B1.3 aircraft models	Candidate must demonstrate the 2 Years of B1.1 or B1.3 maintenance experience.	1) Test Modules 5,6,7 10, 13, 15 plus module 11,14(B1.1)/12(B1.3) and pass 2) B1.1/B1.3 Practical Assessment and pass	B1.1 or B1.3	"No rating"	None
11	Unpressurised piston engines - aeroplane below 5700 Kgs	All B1.1 or B1.3 aircrafts	All standard B1.1 or B1.3 aircraft models	Candidate must demonstrate the 2 Years of B1.1 or B1.3 maintenance experience. (In case of completed B1.1 or B1.3 Type Training from MTO)	1) Test Module 10 and pass 2) Completed the B1.1 or B1.3 Basic bridging course at MTO 3) Completed the B1.1 or B1.3 Type training from MTO (including OJT for first type endorsement)	B1.1 or B1.3	Individual B1.1 or B1.3 type rating i.a.w. Appendix I to AMC to Part-66	None
