Draft Annexes to draft Commission Implementing Regulation (EU) …/… amending Regulation (EU) No 1321/2014 as regards the establishment of a regulatory framework with continuing airworthiness requirements for non-conventional aircraft

ANNEX I

ANNEX I (Part-M) is amended as follows:

In Appendix VII, the following points 3a. and 3b. are inserted:

‘3a. The performance of maintenance on the power plant that would require disassembly of engine(s), main batteries or fuel cell(s), other than removing them from the aircraft and reinstalling them back (including removal/installation of engine bearings).

3b. The performance of maintenance on high-pressure reservoirs and components belonging to high-pressure lines/systems related to the power plant.’.

ANNEX II

ANNEX II (Part-145) is amended as follows:

(1) in point 145.A.30, point (2)(ii) of point (h) is replaced by the following:

‘appropriate aircraft-rated certifying staff, qualified in category C or L5, as applicable, and assisted by support staff, as set out in point 145.A.35(a)(1).’;

(2) in Appendix II, points (l) and (m) are replaced by the following:

‘(l) Table

CLASS	RATING	LIMITATION	BASE	LINE
AIRCRAFT	A1 Aeroplanes above 5 700 kg maximum take-off mass (MTOM)	[Shall state the aeroplane manufacturer or the group or series or type and/or the maintenance tasks] *Example: Airbus A320 Series*	[YES/NO] (*)	[YES/NO] (*)
	A2 Aeroplanes of 5 700 kg MTOM and below	[Shall state the aeroplane manufacturer or the group or series or type and/or the maintenance tasks] *Example: DHC-6 Twin Otter Series* State whether the issuing of airworthiness review certificates is authorised (only possible for aircraft	[YES/NO] (*)	[YES/NO] (*)

		covered by Annex Vb (Part-ML))		
	A3 Helicopters	[Shall state the helicopter manufacturer or the group or series or type and/or the maintenance task(s)] *Example: Robinson R44* State whether the issuing of airworthiness review certificates is authorised (only possible for aircraft covered by Annex Vb (Part-ML))	[YES/NO] (*)	[YES/NO] (*)
	A4 Aircraft other than A1, A2 and A3 aircraft	[Shall state the aircraft category (sailplane, balloon, airship, etc.) when applicable, the manufacturer or group or series or type and/or the maintenance task(s)] State whether the issuing of airworthiness review certificates is authorised (only possible for aircraft covered by Annex Vb (Part-ML))	[YES/NO] (*)	[YES/NO] (*)
ENGINES	B1 Turbine	[Shall state the engine series or type and/or the maintenance task(s)] *Example: PT6A Series*		
	B2 Piston	[Shall state the engine manufacturer or group or series or type and/or the maintenance task(s)]		
	B3 APU	[Shall state the engine manufacturer or series or type and/or the maintenance task(s)]		
	B4 Engines other than B1, B2 and B3	[Shall state the engine manufacturer or group or series or type and/or the maintenance task(s)]		
COMPONENTS OTHER THAN COMPLETE ENGINES OR APUs	C1 Air Cond & Press	[Shall state the aircraft type or aircraft manufacturer or component manufacturer or the particular component and/or cross-refer to a capability list in the exposition and/or the maintenance task(s)] *Example: PT6A Fuel Control*		
	C2 Auto Flight			
	C3 Comms and Nav			
	C4 Doors — Hatches			

	C5 Electrical Power & Lights	
	C6 Equipment	
	C7 Engine – APU	
	C8 Flight Controls	
	C9 Fuel	
	C10 Rotorcraft – Rotors	
	C11 Rotorcraft – Trans	
	C12 Hydraulic Power	
	C13 Indicating – recording system	
	C14 Landing Gear	
	C15 Oxygen	
	C16 Propellers	
	C17 Pneumatic & Vacuum	
	C18 Protection ice/rain/fire	
	C19 Windows	
	C20 Structural	
	C21 Water ballast	
	C22 Propulsion Augmentation	
	C23 Other	
SPECIALISED SERVICES	D1 Non-Destructive Testing	[Shall state particular NDT method(s)]
(*) – Delete as appropriate		

(m) A maintenance organisation which employs only one person to both plan and carry out all its maintenance activities can only hold limited terms of approval. The maximum permissible limits are as follows:

CLASS	RATING	LIMITATION

AIRCRAFT	A2	AEROPLANES of 5 700 KG MTOM OR LESS WITH PISTON ENGINE or ELECTRIC POWER PLANT WITH NO FUEL CELL
AIRCRAFT	A3	HELICOPTERS of 3 175 KG MTOM OR LESS WITH SINGLE-PISTON ENGINE or ELECTRIC POWER PLANT WITH NO FUEL CELL
AIRCRAFT	A4	GLIDERS, BALLOONS, AIRSHIPS AND ANY AIRCRAFT of 3 175 KG MTOM OR LESS WITH SINGLE-PISTON ENGINE or ELECTRIC POWER PLANT WITH NO FUEL CELL
ENGINES	B2	LESS THAN 450 HP
ENGINES	B4	ELECTRIC ENGINE
COMPONENTS OTHER THAN COMPLETE ENGINES OR APUs	C1 TO C23	AS PER CAPABILITY LIST
SPECIALISED SERVICES	D1 NDT	NDT METHOD(S) TO BE SPECIFIED

It should be noted that such an organisation may be further limited by the competent authority in the terms of approval depending on the capabilities of the particular organisation.'.

ANNEX III

ANNEX III (Part-66) is amended as follows:

(1) in point 66.1, point (b) is replaced by the following:

'(b) The Agency shall be responsible for:

1. defining the list of aircraft types;

2. defining what airframe/engine (or powerplant) combinations are included in each particular aircraft type rating; and,

3. in respect of an aircraft that is not covered by any licence (sub)category of point (a) of point 66.A.3, defining the applicable licence (sub)category(ies) that entitle(s) the holder of the licence to exercise the privileges of point 66.A.20 on that aircraft.';

(2) point 66.A.3 is replaced by the following:

'66.A.3 Licence categories and subcategories

(a) Aircraft maintenance licences include the following categories and, where applicable, subcategories and system ratings:

(1) Category A:

(i) Category A, is divided into the following subcategories:

— A1 Aeroplanes Turbine;

— A2 Aeroplanes Piston;

— A3 Helicopters Turbine;

— A4 Helicopters Piston.

(ii) Subcategories A1 and A3 are also suitable for aircraft not covered by any A subcategory.

(2) Category B1, divided into the following subcategories:

— B1.1 Aeroplanes Turbine;

— B1.2 Aeroplanes Piston;

— B1.E Aeroplanes with electric power plant and MTOM below 5 700 kg;

— B1.3 Helicopters Turbine;

— B1.4 Helicopters Piston.

(3) Category B2

The B2 licence is applicable to all aircraft.

(4) Category B2L

The B2L licence is applicable to all aircraft other than those in Group 1 as set out in Point 66.A.5(1) and is divided into the following 'system ratings':

— communication/navigation (com/nav),

— instruments,

— autoflight,

— surveillance,

— airframe systems.

A B2L licence shall contain, as a minimum, one system rating.

(5) Category B3

The B3 licence is applicable to piston-engine non-pressurised aeroplanes of 2 000 kg MTOM and below.

(6) Category L, divided into the following subcategories:

— L1C: composite sailplanes,

— L1: sailplanes,

— L2C: composite powered sailplanes and composite ELA1 aeroplanes,

— L2: powered sailplanes and ELA1 aeroplanes,

— L3H: hot-air balloons,

— L3G: gas balloons,

— L4H: hot-air airships,

— L4G: ELA2 gas airships,

— L5: gas airships other than ELA2.

(7) Category C

The C licence is applicable to aeroplanes and helicopters.

(8) When an aircraft can be considered as included in more than one of the above (sub)categories, the Agency, based on the aircraft characteristics, shall establish the (sub)category(ies) of the licence applicable for the aircraft in its type certificate data sheet.';

(b) Additionally, for aircraft and combinations of aircraft and power plant not referred to in point (a), the applicable licence (sub)category(ies) shall be the one(s) identified by the Agency.

The Agency shall identify such licence (sub)category(ies) in the operational suitability data established in accordance with Regulation (EU) No 748/2012, taking into consideration a report from the applicant for, or holder of, the aircraft type certificate which assesses the architecture and systems of the aircraft (and power plant) against the syllabus of the basic knowledge modules and knowledge levels, as relevant to the designated licence (sub)category, and the privileges established in 66.A.20.';

(3) in point 66.A.5, points (1) and (2) are replaced by the following:

(1) Group 1 is composed of:

(i) aeroplanes certified for a MTOM exceeding 5 700 kg; aeroplanes certified for a maximum passenger seating configuration of more than 19; aeroplanes certified for operation with a minimum crew of at least two pilots; aeroplanes equipped with (one) turbojet engine(s) or more than one turboprop engine; other than piston-engine aeroplanes with maximum certified operating altitude exceeding FL290; aeroplanes with a power plant not being piston, turbine or electric;

(ii) helicopters certified for a MTOM exceeding 3 175 kg; helicopters certified for a maximum passenger seating configuration of more than nine; helicopters certified for operation with a minimum crew of at least two pilots; helicopters equipped with multiple engines; helicopters equipped with a power plant not being piston, turbine or electric;

(iii) gas airships other than ELA2;

(iv) non-conventional aircraft; and

(v) aircraft equipped with fly-by-wire systems.

Notwithstanding the first paragraph, the Agency may decide to classify into a subgroup of Group 2, Group 3 or Group 4, as appropriate, an aircraft which meets the conditions set out in the first paragraph, if it considers that the lower complexity of the particular aircraft justifies so.

(2) Group 2: aircraft other than those in Group 1 belonging to the following subgroups:

(i) subgroup 2a: single turboprop engine aeroplanes,

(ii) subgroup 2b: single turbine engine helicopters,

(iii) subgroup 2c: single piston engine helicopters,

(iv) subgroup 2E: aeroplanes with electric power plant.';

(4) in point 66.A.20(a), the following new point 8 is added:

'8. In addition, the privileges in point 1. to 7. are also extended to aircraft referred to in point (b) of point 66.A.3 for the corresponding licence (sub)category(ies) identified as applicable in the operational suitability data established in accordance with Regulation (EU) No 748/2012 of these aircraft.';

(5) in point 66.A.30, point (a) is amended as follows:

(a) the first sentence of point (1) is replaced by the following:

'1. for category A, subcategories B1.2, B1.E and B1.4 and category B3:';

(b) point (3)(ii) is replaced by the following:

'(ii) 5 years of experience in exercising category B1.2, B1.E, B1.4 or L5 privileges as support staff, or both support staff and certifying staff, in accordance with point 145.A.35 of Annex II (Part-145), at a maintenance organisation working on CMPA, including 12 months of experience as base maintenance support staff; or';

(c) point (3)(iv)(a) is replaced by the following:

'(a) 2 years of experience in exercising category B1.1, B1.2, B1.E, B1.3, B1.4, B2 or L5 privileges as support staff, or both support staff and certifying staff, in accordance with point 145.A.35 of Annex II (Part-145), at a maintenance organisation working on CMPA, including 6 months of experience as base maintenance support staff; or';

(6) in point 66.A.30, the following new point (da) is inserted:

'(da) Notwithstanding points (a), (b) and (d), practical maintenance experience and recent maintenance experience gained in aircraft referred to in point (b) of point 66.A.3 shall account for a maximum of 50 % of the practical maintenance experience and recent maintenance experience required in points (a), (b) or (d) in respect of the licence (sub)category(ies) on which these aircraft can be endorsed.';

(7) point 66.A.45 is amended as follows:

(a) in point (c) the following two new points are added

'(i) The on-the-job training on an aircraft referred to in point (b) of point 66.A.3 may only be considered for the purpose of endorsement of the licence as the first aircraft type rating within a given (sub)category, as described in the previous paragraph, when so established in the aircraft operational suitability data.

(ii) Otherwise, an aircraft referred to in point (b) of point 66.A.3 may be endorsed as a first aircraft type rating within a given (sub)category after satisfactory completion of the corresponding on-the-job training, but in such case, additional on-the-job training will be required for the endorsement on the licence within that (sub)category of the first aircraft type rating belonging to the categories referred in point (a) of point 66.A.3.';

(b) the following new point (da) is added:

‘(da) By derogation from points (b) and (d) and only during the first 30 months after a new aircraft type has received its type certificate, an AML may be endorsed with the corresponding aircraft type rating for a given (sub)category based on complete training delivered by the manufacturer, including the on-site practical training element, under the condition that the aircraft type rating is not the first aircraft endorsed for that (sub)category.

Such training shall be carried out at a level and duration that meet the same objectives as those of points 5 (a), (b) and (c) of Appendix III, and shall cover relevant maintenance data at the required knowledge level and scope for the AML (sub)category.

A responsible person of the aircraft manufacturer shall issue a final report declaring fulfilment of the requirements of this point 66.A.45(da).’;

(8) in Appendix I, point 2. is amended as follows:

(a) the first table is replaced by the following:

‘

Subject module	B1.1 A1	B1.2 A2	B1.E	B1.3 A3	B1.4 A4	B3	B2	B2 L	C
	Turbine engine	Piston engine	Aeroplanes with electric power plant and MTOM below 5 700 kg	Turbine engine	Piston engine	Piston-engine non-pressurised aeroplanes MTOM ≤ 2 t			
1. MATHEMATICS	X	X	X	X	X	X	X	X	X
2. PHYSICS	X	X	X	X	X	X	X	X	X
3. ELECTRICAL FUNDAMENTALS	X	X	X	X	X	X	X	X	X
4. ELECTRONICS FUNDAMENTALS	X (n/a for A1)	X (n/a for A2)	X	X (n/a for A3)	X (n/a for A4)	X	X	X	X
5. DIGITAL TECHNIQUES/ELECTRONIC INSTRUMENT SYSTEMS	X	X	X	X	X	X	X	X	X
6. MATERIALS AND HARDWARE	X	X	X	X	X	X	X	X	X
7. MAINTENANCE PRACTICES	X	X	X	X	X	X	X	X	X

Subject module	B1.1 A1	B1.2 A2	B1.E	B1.3 A3	B1.4 A4	B3	B2	B2 L	C
	Turbine engine	Piston engine	Aeroplanes with electric power plant and MTOM below 5 700 kg	Turbine engine	Piston engine	Piston-engine non-pressurised aeroplanes MTOM ≤ 2 t			
8. BASIC AERODYNAMICS	X	X	X	X	X	X	X	X	X
9. HUMAN FACTORS	X	X	X	X	X	X	X	X	X
10. AVIATION LEGISLATION	X	X	X	X	X	X	X	X	X
11. AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS	X	X	X	n/a	n/a	X	n/a	n/a	11, 15 & 17 as B1.1 or 11, 16 & 17 as B1.2 or 11, 17 & 18 as B1.E or 12 & 15 as B1.3 or 12 & 16 as B1.4 or 13 & 14 as B2
12. HELICOPTER AERODYNAMICS, STRUCTURES AND SYSTEMS	n/a	n/a	n/a	X	X	n/a	n/a	n/a	
13. AIRCRAFT AERODYNAMICS, STRUCTURES AND SYSTEMS	n/a	n/a	n/a	n/a	n/a	n/a	X	X	
14. PROPULSION	n/a	n/a	n/a	n/a	n/a	n/a	X	X	
15. GAS TURBINE ENGINE	X	n/a	n/a	X	n/a	n/a	n/a	n/a	
16. PISTON ENGINE	n/a	X	n/a	n/a	X	X	n/a	n/a	
17. PROPELLER	X	X	X	n/a	n/a	X	n/a	n/a	
18. ELECTRIC POWER PLANT	n/a	n/a	X	n/a	n/a	n/a	n/a	n/a	

’;

(b) in the table for Module 7, row 7.4 is replaced by the following:

‘

7.4 Potential safety hazards when working with electrical systems and protective equipment	**3**	**3**	**3**

’;

(c) the first row of the table corresponding to Module 11 is replaced by the following:

‘

MODULE 11. AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS	LEVEL				
	A1	**A2**	**B1.1**	**B1.2 / B1.E**	**B3**

’ ;

(d) the rows for submodule 11.8 of Module 11 are replaced by the following:

‘

11.8 Fire protection (ATA 26)					
(a) Fire and smoke detection system and fire-extinguishing systems;	1	1	3	3	—
(b) Portable fire extinguisher.	1	1	1	1	1

’;

(e) the rows for submodule 11.10 of Module 11 are replaced by the following:

‘

11.10 Fuel systems (ATA 28, ATA 47)					
(a) Systems layout;	1	1	3	3/-	1
(b) Fuel handling;	1	1	3	3/-	1
(c) Indication and warnings;	1	1	3	3/-	1
(d) Special systems;	1	—	3	—	—
(e) Balancing.	1	—	3	—	—

’;

(f) the rows for submodule 14.1 of Module 14 are replaced by the following:

‘

14.1 Engines		
(a)	Turbine engines;	1
(b)	Auxiliary power units (APUs);	1
(c)	Piston engines;	1
(d)	Electric and hybrid power plants and auxiliar systems;	2
(e)	Engine control.	2

’;

(g) the first row of the table corresponding to Module 17 is replaced by the following:

‘

MODULE 17. PROPELLER	LEVEL	
	A1 **A2**	**B1.1** **B1.2** **B1.E** **B3**

’;

(h) after Module 17, Module 18 is added as follows:

‘MODULE 18. ELECTRIC POWER PLANT

MODULE 18. ELECTRIC POWER PLANT	LEVEL
	B1.E
18.1 Fundamentals	3
18.2 Engine performance	3
18.3 Engine construction	3
18.4 Electric energy system	3
18.4.1 Batteries and accessories	3
18.4.2 Fuel cells and accessories	3
18.4.3 Power distribution systems	3
18.4.4 Electronic engine control	3
18.5 Engine indication systems	3
18.6 Power plant installation	3
18.7 Engine monitoring and ground operation	3
18.8 Engine storage and preservation	3

’;

(9) at the end of point 2. of Appendix II, the following is added:

‘2.18. MODULE 18 – ELECTRIC POWER PLANT

Category B1.E: 76 multiple-choice, no essay questions. Time allowed: 95 minutes.’;

(10) Appendix III is amended as follows:

(a) point 3.1.(c) is replaced by the following:

‘(c) Duration:

The theoretical training minimum tuition hours are contained in the following table:

Category	Hours
Aeroplanes(*) with a maximum take-off mass above 30 000 kg:	
B1.1	150
B1.2	120
B2	100
C	30

Category	Hours
Aeroplanes(*) with a maximum take-off mass equal to or less than 30 000 kg and above 5 700 kg:	
B1.1	120
B1.2	100
B2	100
C	25
Aeroplanes(*) with a maximum take-off mass of 5 700 kg and below[1]	
B1.1	80
B1.2	60
B1.E	60
B2	60
C	15
Helicopters(*) [2]	
B1.3	120
B1.4	100
B2	100
C	25
Aeroplanes and helicopters not mentioned above and non-conventional aircraft	
B1, B2 and C	OSD

(*) – aeroplane with piston or turbine engine or electric power plant or helicopter with piston or turbine engine

In the table above, 'OSD' means as defined in the operational suitability data established in accordance with Regulation (EU) No 748/2012, taking into consideration a report from the applicant for, or holder of, the aircraft type certificate that contains an assessment of the required theoretical elements of knowledge of the aircraft, considering the applicable licence (sub)category on which the aircraft type would be permitted for endorsement in accordance with point 66.A.3.

[1] For non-pressurised aeroplanes below 2 000 kg MTOM with piston-engine or electric power plant, the minimum duration can be reduced by 50 %.

[2] For helicopters in Group 2 (as defined in point 66.A.5), the minimum duration can be reduced by 30 %.

For the purpose of the table above, a tuition hour means 60 minutes of teaching and excludes any breaks, examination, revision, preparation and aircraft visit.

These hours apply only to theoretical courses for complete aircraft/ engine combinations according to the type rating as defined by the Agency.';

(b) the table in point 3.1.(e) is replaced by the following table:

'

Level Chapters	**Aeroplanes turbine**		**Aeroplanes piston**		**Aeroplanes with electric power plant**		**Helicopter turbine**		**Helicopter piston**		**Avionics**
Licence category	B1.1	C	B1.2	C	B1.E	C	B1.3	C	B1.4	C	B2
Introduction module:											
05 Time limits/maintenance checks	1	1	1	1	1	1	1	1	1	1	1
06 Dimensions/areas (MTOM, etc.)	1	1	1	1	1	1	1	1	1	1	1
07 Lifting and Shoring	1	1	1	1	1	1	1	1	1	1	1
08 Levelling and weighing	1	1	1	1	1	1	1	1	1	1	1
09 Towing and taxiing	1	1	1	1	1	1	1	1	1	1	1
10 Parking/mooring, storing and return to Service	1	1	1	1	1	1	1	1	1	1	1
11 Placards and markings	1	1	1	1	1	1	1	1	1	1	1
12 Servicing	1	1	1	1	1	1	1	1	1	1	1

Level Chapters	Aeroplanes turbine		Aeroplanes piston		Aeroplanes with electric power plant		Helicopter turbine		Helicopter piston		Avionics
20 Standard practices — only type particular	1	1	1	1	1	1	1	1	1	1	1
Helicopter											
18 Vibration and noise analysis (blade tracking)	—	—	—	—	—	—	3	1	3	1	—
60 Standard practices rotor	—	—	—	—	—	—	3	1	3	1	—
62 Rotors	—	—	—	—	—	—	3	1	3	1	1
62A Rotors — monitoring and indicating	—	—	—	—	—	—	3	1	3	1	3
63 Rotor drives	—	—	—	—	—	—	3	1	3	1	1
63A Rotor drives — monitoring and indicating	—	—	—	—	—	—	3	1	3	1	3
64 Tail rotor	—	—	—	—	—	—	3	1	3	1	1
64A Tail rotor — monitoring and indicating	—	—	—	—	—	—	3	1	3	1	3
65 Tail rotor drive	—	—	—	—	—	—	3	1	3	1	1
65A Tail rotor drive — monitoring and indicating	—	—	—	—	—	—	3	1	3	1	3
66 Folding blades/pylon	—	—	—	—	—	—	3	1	3	1	—
67 Rotors flight control	—	—	—	—	—	—	3	1	3	1	—

Level Chapters	Aeroplanes turbine		Aeroplanes piston		Aeroplanes with electric power plant		Helicopter turbine		Helicopter piston		Avionics
53 Airframe structure (helicopter)	—	—	—	—	—	—	3	1	3	1	—
25 Emergency flotation equipment	—	—	—	—	—	—	3	1	3	1	1
Airframe structures											
51 Standard practices and structures (damage classification, assessment and repair)	3	1	3	1	3	1	—	—	—	—	1
53 Fuselage	3	1	3	1	3	1	—	—	—	—	1
54 Nacelles/pylons	3	1	3	1	3	1	—	—	—	—	1
55 Stabilisers	3	1	3	1	3	1	—	—	—	—	1
56 Windows	3	1	3	1	3	1	—	—	—	—	1
57 Wings	3	1	3	1	3	1	—	—	—	—	1
52 Doors	3	1	3	1	3	1	—	—	—	—	1
Zonal and station identification systems	1	1	1	1	1	1	1	1	1	1	1
Airframe systems											
21 Air conditioning	3	1	3	1	3	1	3	1	3	1	3
21A Air supply	3	1	3	1	3	1	3	1	3	1	2
21B Pressurisation	3	1	3	1	3	1	3	1	3	1	3
21C Safety and warning devices	3	1	3	1	3	1	3	1	3	1	3
22 Autoflight	2	1	2	1	2	1	2	1	2	1	3
23 Communications	2	1	2	1	2	1	2	1	2	1	3

Level Chapters	Aeroplanes turbine		Aeroplanes piston		Aeroplanes with electric power plant		Helicopter turbine		Helicopter piston		Avionics
24 Electrical power	3	1	3	1	3	1	3	1	3	1	3
25 Equipment and furnishings	3	1	3	1	3	1	3	1	3	1	1
25A Electronic equipment including emergency equipment	1	1	1	1	1	1	1	1	1	1	3
26 Fire protection	3	1	3	1	3	1	3	1	3	1	3
27 Flight controls	3	1	3	1	3	1	3	1	3	1	2
27A Sys. operation: electrical/fly-by-wire	3	1	—	—	3	1	3	1	—	—	3
28 Fuel systems	3	1	3	1	—	—	3	1	3	1	2
28A Fuel systems — monitoring and indicating	3	1	3	1	—	—	3	1	3	1	3
29 Hydraulic power	3	1	3	1	3	1	3	1	3	1	2
29A Hydraulic power — monitoring and indicating	3	1	3	1	3	1	3	1	3	1	3
30 Ice and rain protection	3	1	3	1	3	1	3	1	3	1	3
31 Indicating/recording systems	3	1	3	1	3	1	3	1	3	1	3
31A Instrument systems	3	1	3	1	3	1	3	1	3	1	3

Level Chapters	Aeroplanes turbine		Aeroplanes piston		Aeroplanes with electric power plant		Helicopter turbine		Helicopter piston		Avionics
32 Landing gear	3	1	3	1	3	1	3	1	3	1	2
32A Landing gear — monitoring and indicating	3	1	3	1	3	1	3	1	3	1	3
33 Lights	3	1	3	1	3	1	3	1	3	1	3
34 Navigation	2	1	2	1	2	1	2	1	2	1	3
35 Oxygen	3	1	3	1	3	1	—	—	—	—	2
36 Pneumatic	3	1	3	1	3	1	3	1	3	1	2
36A Pneumatic — monitoring and indicating	3	1	3	1	3	1	3	1	3	1	3
37 Vacuum	3	1	3	1	3	1	3	1	3	1	2
38 Water/waste	3	1	3	1	3	1	—	—	—	—	2
41 Water ballast	3	1	3	1	3	1	—	—	—	—	1
42 Integrated modular avionics	2	1	2	1	2	1	2	1	2	1	3
44 Cabin systems	2	1	2	1	2	1	2	1	2	1	3
45 On-board maintenance system (or covered in 31)	3	1	3	1	3	1	3	1	—	—	3
46 Information systems	2	1	2	1	2	1	2	1	2	1	3
47 Nitrogen generation system	3	1	3	1	—	—	—	—	—	—	2
50 Cargo and accessory compartments	3	1	3	1	3	1	3	1	3	1	1
55/57 Flight control surfaces (All)	3	1	3	1	3	1	—	—	—	—	1

Level Chapters	Aeroplanes turbine		Aeroplanes piston		Aeroplanes with electric power plant		Helicopter turbine		Helicopter piston		Avionics
Turbine engine											
70 Standard practices — engines	3	1	—	—	—	—	3	1	—	—	1
70A Constructional arrangement and operation (installation inlet, compressors, combustion section, turbine section, bearings and seals, lubrication systems)	3	1	—	—	—	—	3	1	—	—	1
70B Engine performance	3	1	—	—	—	—	3	1	—	—	1
71 Power plant	3	1	—	—	—	—	3	1	—	—	1
72 Engine turbine/turbo prop/ducted fan/unducted fan	3	1	—	—	—	—	3	1	—	—	1
73 Engine fuel and control	3	1	—	—	—	—	3	1	—	—	1
75 Air	3	1	—	—	—	—	3	1	—	—	1
76 Engine controls	3	1	—	—	—	—	3	1	—	—	1
78 Exhaust	3	1	—	—	—	—	3	1	—	—	1
79 Oil	3	1	—	—	—	—	3	1	—	—	1
80 Starting	3	1	—	—	—	—	3	1	—	—	1
82 Water injections	3	1	—	—	—	—	3	1	—	—	1

Level Chapters	Aeroplanes turbine		Aeroplanes piston		Aeroplanes with electric power plant		Helicopter turbine		Helicopter piston		Avionics
83 Accessory gear boxes	3	1	—	—	—	—	3	1	—	—	1
84 Propulsion augmentation	3	1	—	—	—	—	3	1	—	—	1
73A FADEC	3	1	—	—	—	—	3	1	—	—	3
74 Ignition	3	1	—	—	—	—	3	1	—	—	3
77 Engine indicating systems	3	1	—	—	—	—	3	1	—	—	3
49 Auxiliary power units (APUs)	3	1	—	—	—	—	—	—	—	—	2
Piston engine											
70 Standard practices — engines	—	—	3	1	—	—	—	—	3	1	1
70A Constructional arrangement and operation (installation, carburettors, fuel injection systems, induction, exhaust and cooling systems, supercharging/turbocharging, lubrication systems)	—	—	3	1	—	—	—	—	3	1	1
70B Engine performance	—	—	3	1	—	—	—	—	3	1	1
71 Power plant	—	—	3	1	—	—	—	—	3	1	1

Level Chapters	Aeroplanes turbine		Aeroplanes piston		Aeroplanes with electric power plant		Helicopter turbine		Helicopter piston		Avionics
73 Engine fuel and control	—	—	3	1	—	—	—	—	3	1	1
76 Engine control	—	—	3	1	—	—	—	—	3	1	1
79 Oil	—	—	3	1	—	—	—	—	3	1	1
80 Starting	—	—	3	1	—	—	—	—	3	1	1
81 Turbines	—	—	3	1	—	—	—	—	3	1	1
82 Water injections	—	—	3	1	—	—	—	—	3	1	1
83 Accessory gear boxes	—	—	3	1	—	—	—	—	3	1	1
84 Propulsion augmentation	—	—	3	1	—	—	—	—	3	1	1
73A FADEC	—	—	3	1	—	—	—	—	3	1	3
74 Ignition	—	—	3	1	—	—	—	—	3	1	3
77 Engine indication systems	—	—	3	1	—	—	—	—	3	1	3
Electric power plant											
Electric engines	—	—	—	—	3	1	—	—	—	—	3
Fuel cell and related systems	—	—	—	—	3	1	—	—	—	—	3
Batteries	—	—	—	—	3	1	—	—	—	—	3
Auxiliary systems to the electric power plant	—	—	—	—	3	1	—	—	—	—	3
Propellers											
60A Standard practices — propeller	3	1	3	1	3	1	—	—	—	—	1

Level Chapters	Aeroplanes turbine		Aeroplanes piston		Aeroplanes with electric power plant		Helicopter turbine		Helicopter piston		Avionics
61 Propellers/propulsion	3	1	3	1	3	1	—	—	—	—	1
61A Propeller construction	3	1	3	1	3	1	—	—	—	—	—
61B Propeller pitch control	3	1	3	1	3	1	—	—	—	—	—
61C Propeller synchronising	3	1	3	1	3	1	—	—	—	—	1
61D Propeller electronic control	2	1	2	1	2	1	—	—	—	—	3
61E Propeller ice protection	3	1	3	1	3	1	—	—	—	—	—
61F Propeller maintenance	3	1	3	1	3	1	—	—	—	—	1
Special chapters for aeroplanes with a power plant other than piston/turbine/electric and other than piston/turbine helicopters	Definition of special chapters of the theoretical element of the aircraft type training is available in the OSD of the aircraft, established in accordance with Regulation (EU) No 748/2012. For these aircraft, EASA can also consider as 'not required' some of the chapters contained in the above table.										
Special chapters for non-conventional aircraft	Definition of special chapters of the theoretical element of the aircraft type training is available in the OSD of the aircraft, established in accordance with Regulation (EU) No 748/2012. For these aircraft, EASA can also consider as 'not required' some of the chapters contained in the above table.										

';

(c) in the table of point 3.2.(b), the level ‘Electric power plant’ and related chapters are inserted after chapter ‘84 Propulsion Augmentation’ of level ‘Piston Engines:’, as follows:

‘

Chapters	B1/B2	B1					B2				
	LOC	FOT	SGH	R/I	MEL	TS	FOT	SGH	R/I	MEL	TS
[…]											
Electric power plant											
Electric engines	X/X	X	X	X	X	X	X	—	—	X	—
Fuel cell and related systems	X/X	X	X	X	X	X	X	—	—	X	—
Batteries	X/X	X	X	X	X	X	X	—	—	X	—
Auxiliary systems to the electric power plant	X/X	X	X	X	X	X	X	—	X	X	X
[…]											

‘;

(d) in the table of point 3.2.(b), the following chapters are added at the end of the table:

‘

Chapters	B1/B2	B1					B2				
	LOC	FOT	SGH	R/I	MEL	TS	FOT	SGH	R/I	MEL	TS
[…]											
Special chapters for aeroplanes with a power plant other than piston/turbine/electric and other than	For the relevant aircraft type, definition of special chapters of the theoretical element of the aircraft type training is available in the OSD of the aircraft, established in accordance with Regulation (EU) No 748/2012.										

[…]											
piston/turbine helicopters											
Special chapters for non-conventional aircraft	For the relevant aircraft type, definition of special chapters of the theoretical element of the aircraft type training is available in the OSD of the aircraft, established in accordance with Regulation (EU) No 748/2012.										

‘;

(11) Appendix IV is replaced by the following:

‘*Appendix IV*

Experience and basic knowledge modules or part modules required for extending a Part-66 aircraft maintenance licence

‘A. Experience requirements

Table A below shows the experience requirements, in months, for adding a new category or subcategory to an existing Part-66 licence.

The experience requirements can be reduced by 50 % if the applicant has completed an approved Part-147 basic training course relevant to a particular subcategory.

Table A

To: / From:	A1	A2	A3	A4	B1.1	B1.2	B1.E	B1.3	B1.4	B2	B2L	B3	L1	L2	L3	L4	L5
A1	—	6	6	6	24	6	6	24	12	24	12	6	12	12	12	12	24
A2	6	—	6	6	24	6	6	24	12	24	12	6	12	12	12	12	24
A3	6	6	—	6	24	12	12	24	6	24	12	12	12	12	12	12	24
A4	6	6	6	—	24	12	12	24	6	24	12	12	12	12	12	12	24
B1.1	—	6	6	6	—	6	6	6	6	12	12	6	6	6	12	12	12
B1.2	6	—	6	6	24	—	6	24	6	24	12	—	—	—	12	12	12
B1.E	6	6	6	6	24	6	—	24	12	24	12	6	6	6	12	12	12
B1.3	6	6	—	6	6	6	6	—	6	12	12	6	6	6	12	12	12
B1.4	6	6	6	—	24	6	12	24	—	24	12	6	6	6	12	12	12
B2	6	6	6	6	12	12	12	12	12	—	—	12	6	6	12	12	24
B2L	6	6	6	6	12	12	12	12	12	12	—	12	6	6	12	12	24
B3	6	—	6	6	24	6	12	24	12	24	12	—	—	—	12	12	12
L1	24	24	24	24	36	24	24	36	24	36	24	24	—	6*	12*	12*	24
L2	24	12	24	24	36	12	12	36	24	36	24	12	—	—	12*	12*	24
L3	30	30	30	30	48	30	30	48	30	48	30	30	12*	12*	—	6*	24
L4	30	30	30	30	48	30	30	48	30	48	30	30	12*	12*	—	—	24
L5	24	24	24	24	36	24	24	36	24	36	24	24	12*	12*	12*	—	—

* Experience may be reduced by 50 % but allowing a licence with limitations in accordance point 66.A.45(h)(ii)(3).

B. Basic knowledge modules or part modules required

The purpose of this table is to outline the examinations required to add a new basic (sub)category to an AML granted in accordance with this Annex.
The syllabi prepared in accordance with Appendix I and Appendix VII require different levels of knowledge for different licence categories within a module; therefore, there are additional examinations applicable to certain modules for licence holders wishing to extend an AML granted in accordance with this Annex to include another (sub)category, and an analysis of the module shall be conducted to determine the subjects missing or passed at a lower level.

Table B

To From	A1	A2	A3	A4	B1.1	B1.2	B1.E	B1.3	B1.4	B2	B2L	B3	L1C	L1	L2C	L2	L3H	L3G	L4H	L4G	L5
A1	None	16.	12.	12, 16.	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 2, 8, 9.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 9.
A2	11, 15.	None	12, 15.	12.	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 2, 8, 9.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 9.
A3	11, 17.	11, 16, 17.	None	16.	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 2, 8, 9.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 9.
A4	11, 15, 17.	11, 17.	15.	None	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 9.	All except 2, 8, 9.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 2L.	All except 9.
B1.1	None	16.	12.	12, 16.	None	16.	18.	12.	12, 16.	4, 5, 13, 14	4, 5, 13SQ, 14SQ	16.	12L.	12L.	$8L^2$, 12L.	$8L^2$, 12L.	9L.	10L.	$8L^2$, 9L, 11L, 12L.	$8L^2$, 10L, 11L, 12L.	$8L^2$, 10L, 11L, 12L.
B1.2	11, 15.	None	12, 15.	12.	11, 15.	None	18.	12, 15.	12.	4, 5, 13, 14	4, 5, 13SQ. 14SQ	None	12L.	12L.	$8L^1$, 12L.	$8L^1$, 12L.	9L.	10L.	$8L^1$, 9L, 11L, 12L.	$8L^1$, 10L, 11L, 12L.	$8L^1$, 10L, 11L, 12L.
B1.E	11, 15.	11^4, 16	12, 15.	12, 16.	11, 15.	11^4, 16	None	12, 15.	12, 16.	4, 5, 13, 14	4, 5, 13SQ, 14SQ	11^4, 16.	12L.	12L.	$8L^3$, 12L.	$8L^3$, 12L.	9L.	10L.	$8L^3$, 9L, 11L, 12L.	$8L^3$, 10L, 11L, 12L.	$8L^3$, 10L, 11L, 12L.
B1.3	11, 17.	11, 16, 17.	None	16.	11, 17.	11, 16, 17.	11, 17, 18.	None	16.	4, 5, 13, 14	4, 5, 13SQ,	11, 16, 17.	7L, 12L.	7L, 12L.	7L, $8L^2$, 12L.	7L, $8L^2$, 12L.	9L.	10L.	$8L^2$, 9L,	$8L^2$, 10L,	$8L^2$, 10L,

To From	A1	A2	A3	A4	B1.1	B1.2	B1.E	B1.3	B1.4	B2	B2L	B3	L1C	L1	L2C	L2	L3H	L3G	L4H	L4G	L5
											14SQ								11L, 12L.	11L, 12L.	11L, 12L.
B1.4	11, 15, 17.	11, 17.	15.	None	11, 15, 17.	11, 17.	11, 17, 18.	15.	None	4, 5, 13, 14	4, 5, 13SQ, 14SQ	11, 17.	7L, 12L.	7L, 12L.	7L, 8L[1], 12L.	7L, 8L[1], 12L.	9L.	10L.	8L[1], 9L, 11L, 12L.	8L[1], 10L, 11L, 12L.	8L[1], 10L, 11L, 12L.
B2	6, 7, 11, 15, 17.	6, 7, 11, 16, 17.	6, 7, 12, 15.	6, 7, 12, 16.	6, 7, 11, 15, 17.	6, 7, 11, 16, 17.	6, 7, 11, 17, 18.	6, 7, 12, 15.	6, 7, 12, 16.	None	None	6, 7, 11, 16, 17.	5L, 7L.	4L, 5L, 6L, 7L.	5L, 7L, 8L.	4L, 5L, 6L, 7L, 8L.	9L.	10L.	8L, 9L, 11L.	8L, 10L, 11L.	6, 7, 11 or 12[7], ‘15, 16 or 18’, 17, 8L[8], 10L, 11L
B2L	6, 7, 11, 15, 17.	6, 7, 11, 16, 17.	6, 7, 12, 15.	6, 7, 12, 16.	6, 7, 11, 15, 17.	6, 7, 11, 16, 17.	6, 7, 11, 17, 18.	6, 7, 12, 15.	6, 7, 12, 16.	13SQ, 14SQ.	None	6, 7, 11, 16, 17.	5L, 7L, 12LSQ.	4L, 5L, 6L, 7L, 12LSQ.	5L, 7L, 8L, 12LSQ.	4L, 5L, 6L, 7L, 8L, 12LSQ.	9L.	10L.	8L, 9L, 11L, 12LSQ.	8L, 10L, 11L, 12LSQ.	6, 7, 11 or 12[7], ‘15, 16 or 18’, 17, 8L[8], 10L, 11L, 12LSQ
B3	11, 15.	11	12, 15.	12.	2, 3, 5, 8, 11, 15.	2, 3, 5, 8, 11.	2, 3, 5, 8, 11, 18.	2, 3, 5, 8, 12, 15.	2, 3, 5, 8, 12.	2, 3, 4, 5, 8, 13, 14.	2, 3, 4, 5, 8, 13SQ,	None	12L.	12L.	8L[1], 12L.	8L[1], 12L.	9L.	10L.	8L[1], 9L, 11L, 12L.	8L[1], 10L, 11L, 12L.	2, 3, 5, 8, 11 or 12,8L[1], 10L,

To From	A1	A2	A3	A4	B1.1	B1.2	B1.E	B1.3	B1.4	B2	B2L	B3	L1C	L1	L2C	L2	L3H	L3G	L4H	L4G	L5
											14SQ.										11L, 12L.

To From	A1	A2	A3	A4	B1.1	B1.2	B1.E	B1.3	B1.4	B2	B2L	B3	L1C	L1	L2C	L2	L3H	L3G	L4H	L4G	L5
L1C	All	All	All	All	All	All	All	All	All	All	All	All	None	4L, 6L.	8L.	4L, 6L, 8L.	9L.	10L.	8L, 9L, 11L.	8L, 10L, 11L.	All except 12L.
L1	All	All	All	All	All	All	All	All	All	All	All	All	None	None	8L.	8L.	9L.	10L.	8L, 9L, 11L.	8L, 10L, 11L.	All except 12L.
L2C	All	All	All	All	All	All	All	All	All	All	All	All	None	4L, 6L.	None	4L, 6L.	9L.	10L.	9L, 11L.	10L, 11L.	All except 8L and 12L.
L2	All	All	All	All	All	All	All	All	All	All	All	All	None	None	None	None	9L.	10L.	9L, 11L.	10L, 11L.	All except 8L and 12L.
L3H	All	All	All	All	All	All	All	All	All	All	All	All	5L, 7L, 12L.	4L, 5L, 6L, 7L, 12L.	5L, 7L, 8L, 12L.	4L, 5L, 6L, 7L, 8L, 12L.	None	10L.	8L, 11L, 12L.	8L, 10L, 11L, 12L.	All.
L3G	All	All	All	All	All	All	All	All	All	All	All	All	5L, 7L, 12L.	4L, 5L, 6L,	5L, 7L, 8L, 12L.	4L, 5L, 6L, 7L,	9L.	None	8L, 9L, 11L, 12L.	8L, 11L, 12L.	All except 10L.

													7L, 12L.		8L, 12L.				
L4 H	All	All	All	All	All	All	All	All	All	All	All	All	5L, 7L.	4L, 5L, 6L, 7L.	5L, 7L.	4L, 5L, 6L, 7L.	None	10L.	None	10L.	All except 11L and 12L.
L4 G	All	All	All	All	All	All	All	All	All	All	All	All	5L, 7L.	4L, 5L, 6L, 7L.	5L, 7L.	4L, 5L, 6L, 7L.	9L.	None	9L.	None	All except 10L, 11L and 12L.
L5	5	5	5	5	5	5	5	5	5	4, 5, 13, 14.	4, 5, 13SQ, 14SQ	5	7L[6].	7L[6].	7L[6].	7L[6].	9L.	None	9L.	None	None

Note: 'All' means all the modules identified in point '2. Modularisation' of Appendix I or in point '1. Modularisation' of Appendix VII for the target (sub)category (i.e. the (sub)category mentioned in the row 'To').

SQ = it depends on system qualification

[1]: excluding the subjects related to piston engines and when 'From: B1.2' or 'From: B3' excluding the subjects related to propeller

[2]: excluding the subjects related to turbine engines and when 'From: B1.1' excluding the subjects related to propeller

[3]: excluding the subjects related to electric engines and propeller

[4]: submodule '11.10' only

[5]: refer to the cell values of this column and the B1.x row corresponding to the B1 subcategory used for obtaining the L5 as per point '1. Modularisation' of Appendix VII

[6]: module 7L not required if corresponding to the B1 subcategory used for obtaining the L5 as per point '1. Modularisation' of Appendix VII was B1.1. or B1.2.

[7]: modules 12 and 18 cannot be chosen together.

[8]: only some applicable subjects of module 8L are required depending on the module '11 or 12' and '15, 16 or 18' chosen.;'

(12) EASA Form 19, contained in Appendix V, is identified as 'Issue 6' and its first page is amended as follows:

'

APPLICATION FOR INITIAL/AMENDMENT/RENEWAL OF PART-66 AIRCRAFT MAINTENANCE LICENCE (AML)	**EASA FORM 19**

APPLICANT'S DETAILS:

Name:

……

Address:

……

Tel:…….....…Email:…….

Nationality: ……...Date and place of birth: …….

PART-66 AML DETAILS (if applicable):

Licence No: …… Date of issue: …….

EMPLOYER'S DETAILS:

Name:

……

Address:

……

……

Maintenance Organisation Approval Reference: ……

Tel: …….. Fax: ……

APPLICATION FOR: (Tick relevant boxes)

Initial AML ☐ Amendment of AML ☐ Renewal of AML ☐

(Sub)categories	**A**	**B1**	**B2**	**B2L**	**B3**	**C**	**L (see below)**
Aeroplane turbine	☐	☐					
Aeroplane piston	☐	☐					
Aeroplane electric		☐					
Helicopter turbine	☐	☐					
Helicopter piston	☐	☐					

Avionics ☐ ☐ See system ratings below

Piston-engine non-pressurised aeroplanes of a MTOM of 2t and below ☐

Complex motor-powered aircraft ☐

Aircraft other than complex motor-powered aircraft ☐

System ratings for B2L licence:

1. autoflight ☐
2. instruments ☐
3. com/nav ☐
4. surveillance ☐
5. airframe systems ☐

L-licence subcategories: ☐

L1C: Composite sailplanes ☐

L1: Sailplanes ☐

L2C: Composite powered sailplanes and composite ELA1 aeroplanes ☐

L2: Powered sailplanes and ELA1 aeroplanes ☐

L3H: Hot-air balloons ☐

L3G: Gas balloons ☐

L4H: Gas balloons ☐

L4H: Hot-air airships ☐

L4G: ELA2 gas airships ☐

L5: Gas airships other than ELA2 ☐

Type endorsements/rating endorsement/limitation removal (if applicable):

…….';

(13) EASA Form 26, contained in Appendix VI, is amended as follows:

(a) in the first page ‘EASA Form 26 Issue 6’ is replaced by ‘EASA Form 26 Issue 7’

(b) the page containing IX. Part-66 CATEGORIES is replaced by the following:

‘

IX. Part-66 CATEGORIES							
VALIDITY	A	B1	B2	B2L	B3	L	C
Aeroplanes turbine			n/a		n/a	n/a	n/a
Aeroplanes piston			n/a		n/a	n/a	n/a
Aeroplanes with electric power plant	n/a		n/a		n/a	n/a	n/a
Helicopters turbine			n/a		n/a	n/a	n/a
Helicopters piston			n/a		n/a	n/a	n/a
Avionics	n/a	n/a			n/a	n/a	n/a
Complex motor-powered aircraft	n/a	n/a	n/a		n/a	n/a	
Aircraft other than complex motor-powered aircraft	n/a	n/a	n/a		n/a	n/a	
Sailplanes, powered sailplanes, ELA1 aeroplanes, balloons and airships	n/a	n/a	n/a		n/a		n/a
Piston-engine non pressurised aeroplanes of 2 000 kg MTOM and below	n/a	n/a	n/a			n/a	n/a
X. Signature of issuing officer & date: XI. Seal or stamp of issuing authority: III. Licence No:’;							

ANNEX IV

ANNEX IV (Part-147) is amended as follows:

(14) in the table in Appendix I, a new row is added after the row corresponding to subcategory B1.2, as follows:

‘

B1.E	2 000	50–60

‘;

(15) in Appendix II, EASA Form 11 is identified as ‘Issue 7’ and its second page is replaced by the following:

‘

Page 2 of 2

MAINTENANCE TRAINING AND EXAMINATION ORGANISATION APPROVAL SCHEDULE

Reference: [MEMBER STATE CODE (*)].147.[XXXX]

Organisation: [COMPANY NAME AND ADDRESS]

CLASS	**LICENCE CATEGORY**	**LIMITATION**

BASIC (**)	B1 (**)	TB1.1 (**)	AEROPLANES TURBINE (**)
		TB1.2 (**)	AEROPLANES PISTON (**)
		TB1.E (**)	AEROPLANES WITH AN ELECTRIC POWER PLANT, WITH 5 700 KG MTOM AND BELOW (**)
		TB1.3 (**)	HELICOPTERS TURBINE (**)
		TB1.4 (**)	HELICOPTERS PISTON (**)
	B2 (**)/(****)	TB2 (**)	AVIONICS (**)
	B2L (**)	TB2L (**)	AVIONICS (indicate system rating) (**)
	B3 (**)	TB3 (**)	PISTON-ENGINE NON-PRESSURISED AEROPLANES 2 000 KG MTOM AND BELOW (**)
	A (**)	TA.1 (**)	AEROPLANES TURBINE (**)
		TA.2 (**)	AEROPLANES PISTON (**)
		TA.3 (**)	HELICOPTERS TURBINE (**)
		TA.4 (**)	HELICOPTERS PISTON (**)
	L (**) (Only examination)	TL (**)	QUOTE THE SPECIFIC LICENCE SUBCATEGORY (**)
TYPE/TASK (**)	C (**)	T4 (**)	[QUOTE AIRCRAFT TYPE] (***)
	B1 (**)	T1 (**)	[QUOTE AIRCRAFT TYPE] (***)
	B2 (**)	T2 (**)	[QUOTE AIRCRAFT TYPE] (***)
	A (**)	T3 (**)	[QUOTE AIRCRAFT TYPE] (***)

This approval schedule is limited to those trainings and examinations specified in the ‘Scope of work’ Section of the approved maintenance training organisation exposition.

Maintenance training organisation exposition reference:

.....

Date of original issue:

.....

Date of last revision approved: ..... Revision No: …….....

Signed: .....

For the competent authority:[COMPETENT AUTHORITY OF THE MEMBER STATE (*)]

EASA Form 11 Issue 7

(*) Or EASA if EASA is the competent authority.

(**) Delete for non-EU Member States or EASA';

(16) in Appendix III, the second paragraph of point 2. is replaced by the following:

'The certificate shall indicate the airframe/engine (or power plant) combination for which the training was imparted.';

ANNEX V

ANNEX Vb (Part-ML) is amended as follows:

(1) in point ML.1, point (a) is replaced by the following:

'(a) In accordance with paragraph 2 of Article 3, this Annex (Part-ML) applies to the following other than complex motor-powered aircraft not listed in the air operator certificate of an air carrier licensed in accordance with Regulation (EC) No 1008/2008:

(1) aeroplanes of 2 730 kg maximum take-off mass (MTOM) or less;

(2) helicopters of 1 200 kg MTOM or less, certified for a maximum of up to four occupants;

(3) other ELA2 aircraft;

(4) non-conventional aircraft with a MTOM of:

(i) 1 200 kg or less if they can maintain zero horizontal speed in flight, or

(ii) 2 730 kg or less for other than those in point (i).';

(2) in point ML.A.302(d)(2), point (f) is replaced by the following:

'(f) in the case of aeroplanes, as applicable to the aircraft power plant:

(i) operational tests for power and revolutions per minute (rpm), magnetos, fuel and oil pressure, engine temperatures;

(ii) for engines equipped with automated engine control, the published run-up procedure;

(iii) for dry-sump engines, engines with turbochargers and liquid-cooled engines, an operational test for signs of disturbed fluid circulation;

(iv) in respect of a power plant other than piston engine, the maintenance tasks as defined in the ICA issued by the DAH of the aeroplane;';

(3) in point ML.A.302, the last paragraph of point (d) is replaced by the following:

'As long as this Annex does not specify an MIP for aircraft other than aeroplanes, sailplanes and balloons, their AMP shall be based on the ICA issued by the DAH, as referred to in point (c)(2)(b).'

(4) in Appendix III, the following points (c1) and (c2) are inserted after point (c) as follows:

'(c1) the performance of maintenance on the power plant that would require disassembly of engine(s), main batteries or fuel cell(s), other than removing them from the aircraft and reinstalling them back (including removal/installation of engine bearings);

(c2) the performance of maintenance on high-pressure reservoirs and components belonging to high-pressure lines/systems related to the power plant;'.

ANNEX VI

ANNEX Vd (Part-CAO) is amended as follows:

(1) in point CAO.A.020(a), points (1), (2) and (3) are replaced by the following:

'(1) For aeroplanes of more than 2 730 kg maximum take-off mass (MTOM) and for helicopters of more than 1 200 kg MTOM or certified for more than four occupants and for other aircraft which are not ELA2, the scope of work shall indicate the particular aircraft types. Changes to this scope of work shall be approved by the competent authority in accordance with point (a) of point CAO.A.105 and point (a) of point CAO.B.065.

(2) For engines other than piston or electric, the scope of work shall indicate the engine manufacturer or group or series or type or the maintenance task(s). Changes to this scope of work shall be approved by the competent authority in accordance with point (a) of point CAO.A.105 and point (a) of point CAO.B.065.

(3) A CAO which employs only one person for both planning and carrying out of all maintenance tasks cannot hold privileges for the maintenance of:

(a) aeroplanes, helicopters and other aircraft which are not ELA2, if their power plant is other than electric or piston engine(s) (in the case of aircraft-rated organisations);

(b) helicopters equipped with more than one piston engine (in the case of aircraft-rated organisations);

(c) complete engines other than piston engines with output power below 450 HP or electric engines (in the case of engine-rated organisations).';

(2) in point CAO.A.020(a), points (xxi) and (xxii) of point (4) are replaced by the following and the new point (xxiii) is added:

'(xxi) C21: water ballast;

(xxii) C22: propulsion augmentation; and

(xxiii) C23: other.';

(3) in point CAO.A.105, point (a) is replaced by the following:

'(a) In order to enable the competent authority to determine continued compliance with this Annex, the CAO shall notify the competent authority of any proposal to carry out any of the following changes, before such changes take place:

(1) changes affecting the information contained in the approval certificate laid down in Appendix I and the terms of approval of this Annex;

(2) changes of the persons referred to in points CAO.A.035(a) and (b);

(3) changes in the aircraft types covered by the scope of work referred to in point (a)(1) of point CAO.A.020 in the case of aeroplanes of more than 2 730 kg maximum take-off mass (MTOM), helicopters of more than 1 200 kg MTOM or certified for more than four occupants and for any other aircraft which is not an ELA2;

(4) changes in the scope of work referred to in point (a)(2) of CAO.A.020 in the case of engines other than piston or electric;

(5) changes in the control procedure set out in point (b) of this point.';

(4) in Appendix I, point (c) is replaced by the following:

'(c) An engine rating (turbine, piston, electric or other) means that the CAO may carry out maintenance on the uninstalled engine and engine components, in accordance with engine maintenance data or, if agreed by the competent authority, in accordance with component maintenance data, only whilst such components are fitted to the engine. Nevertheless, such engine-rated CAO may temporarily remove a component for maintenance in order to improve access to that component except when such removal creates the need for additional maintenance not eligible for the requirements of point (c). An engine-rated CAO may also carry out maintenance on an installed engine during base and line maintenance subject to a control procedure in the CAE to be approved by the competent authority.';

(5) in Appendix I, EASA Form 3-CAO is identified as 'Issue 2' and its second page is replaced by the following:

'

Page 2 of 2

COMBINED AIRWORTHINESS ORGANISATION TERMS OF APPROVAL

Reference: [MEMBER STATE CODE (*)].CAO.XXXX

Organisation: [COMPANY NAME AND ADDRESS]

CLASS	**RATING**	**PRIVILEGES(***)**
AIRCRAFT (**)	Aeroplanes — other than complex motor-powered aircraft (**)	□ Maintenance □ Continuing airworthiness management □ Airworthiness review □ Permit to fly
	Aeroplanes up to 2 730 kg maximum take-off mass (MTOM) (**)	□ Maintenance □ Continuing airworthiness management □ Airworthiness review □ Permit to fly
	Helicopters — other than complex motor-powered aircraft (**)	□ Maintenance □ Continuing airworthiness management □ Airworthiness review □ Permit to fly
	Helicopters up to 1 200 kg MTOM, certified for a maximum of up to four occupants (**)	□ Maintenance □ Continuing airworthiness management □ Airworthiness review □ Permit to fly
	Airships (**)	□ Maintenance □ Continuing airworthiness management

		□ Airworthiness review □ Permit to fly
	Balloons (**)	□ Maintenance □ Continuing airworthiness management □ Airworthiness review □ Permit to fly
	Sailplanes (**)	□ Maintenance □ Continuing airworthiness management □ Airworthiness review □ Permit to fly
	Other aircraft (**)	□ Maintenance □ Continuing airworthiness management □ Airworthiness review □ Permit to fly
COMPONENTS (**)	Complete turbine engines (**)	□ Maintenance
	Complete piston engines (**)	
	Electric engines (**)	
	Other engines/power plants (**)	
	Components other than complete engines (**)	
SPECIALISED SERVICES (**)	Non-destructive testing (NDT) (**)	□ NDT

LIMITATIONS

(to be included only for organisations rated for certain aircraft (see CAO.A.20(a)(3)) or complete engines, if they only have one person planning and carrying out all maintenance tasks)

The following maintenance is excluded from the scope of work (***):

— maintenance on aeroplanes, helicopters and other aircraft which also are not ELA2, if their power plant is other than electric or piston engine(s);

— maintenance on helicopters equipped with more than one piston engine; and

— maintenance on complete engines other than piston engines with output power below 450 HP or electric engines.

List of organisation(s) working under a quality system (***)

These terms of approval are limited to the products, parts and appliances, and to the activities specified in the 'Scope of work' Section of the approved combined airworthiness exposition.

Combined airworthiness exposition reference: .....

Date of original issue of the exposition: .....

Date of last revision approved: .....

Revision No: ……

Signed:

.....

For the competent authority: [COMPETENT AUTHORITY OF THE MEMBER STATE (*)]

(*) or EASA if EASA is the competent authority

(**) delete as appropriate if the organisation is not approved.

(***) complete as appropriate

EASA Form 3-CAO, Issue 2