

Commission Regulation (EU) No 1321/2014 of 26 November 2014  
on the continuing airworthiness of aircraft and aeronautical products,  
parts and appliances, and on the approval of organisations and  
personnel involved in these tasks (Recast) (Text with EEA relevance)

COMMISSION REGULATION (EU) No 1321/2014

of 26 November 2014

on the continuing airworthiness of aircraft and aeronautical products, parts and  
appliances, and on the approval of organisations and personnel involved in these tasks

(Recast)

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 216/2008 of the European Parliament and of the Council of 20 February 2008 on common rules in the field of civil aviation and establishing a European Aviation Safety Agency, and repealing Council Directive 91/670/EEC, Regulation (EC) No 1592/2002 and Directive 2004/36/EC<sup>(1)</sup>, and in particular Article 5(5) and 6(3) thereof,

Whereas:

- (1) Commission Regulation (EC) No 2042/2003 of 20 November 2003 on the continuing airworthiness of aircraft and aeronautical products, parts and appliances, and on the approval of organisations and personnel involved in these tasks<sup>(2)</sup> has been substantially amended several times<sup>(3)</sup>. Since further amendments are to be made, it should be recast in the interests of clarity.
- (2) Regulation (EC) No 216/2008 establishes common essential requirements to provide for a high uniform level of civil aviation safety and environmental protection; it requires the Commission to adopt the necessary implementation rules to ensure their uniform application; it establishes the European Aviation Safety Agency (hereinafter referred to as the ‘Agency’) to assist the Commission in the development of such implementing rules.
- (3) It is necessary to lay down common technical requirements and administrative procedures to ensure the continuing airworthiness of aeronautical products, parts and appliances subject to Regulation (EC) No 216/2008.
- (4) Organisations and personnel involved in the maintenance of products, parts and appliances should be required to comply with certain technical requirements in order to demonstrate their capability and means of discharging their obligations and associated privileges; the Commission is required to lay down measures to specify conditions of issuing, maintaining, amending, suspending or revoking certificates attesting such compliance.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (5) The need to ensure uniformity in the application of common technical requirements in the field of continuing airworthiness of aeronautical parts and appliances requires that common procedures be followed by competent authorities to assess compliance with these requirements; the Agency should develop certification specifications to facilitate the necessary regulatory uniformity.
- (6) It is necessary to recognise the continuing validity of certificates issued before entry into force of Regulation (EC) No 2042/2003, in accordance with Article 69 of Regulation (EC) No 216/2008.
- (7) Article 5 of Regulation (EC) No 216/2008 dealing with airworthiness was extended to include the elements of operational suitability evaluation into the implementing rules for type-certification.
- (8) The European Aviation Safety Agency (the ‘Agency’) found that it was necessary to amend Commission Regulation (EU) No 748/2012<sup>(4)</sup> in order to allow the Agency to approve operational suitability data as part of the type-certification process.
- (9) The operational suitability data should include mandatory training elements for type rating training of maintenance certifying staff. Those elements should be the basis for developing type training courses.
- (10) The requirements related to the establishment of certifying staff type rating training courses need to be amended to refer to the operational suitability data.
- (11) The Agency prepared draft implementing rules on the concept of operational suitability data and submitted them as an opinion<sup>(5)</sup> to the Commission in accordance with Article 19(1) of Regulation (EC) No 216/2008.
- (12) The measures provided by this Regulation are in accordance with the Opinion of the European Aviation Safety Agency Committee<sup>(6)</sup> established by Article 65(1) of Regulation (EC) No 216/2008,

HAS ADOPTED THIS REGULATION:

*[<sup>F1</sup> Article 1*

**Subject-matter and scope**

This Regulation establishes common technical requirements and administrative procedures to ensure:

- (a) the continuing airworthiness of aircraft, including any component for installation thereto, which are:
  - (i) registered in [<sup>F2</sup>the United Kingdom], unless their regulatory safety oversight has been delegated to a third country and they are not used by [<sup>F3</sup>a UK] operator; or
  - (ii) registered in a third country and used by [<sup>F4</sup>a UK] operator, where their regulatory safety oversight has been delegated to [<sup>F5</sup>the United Kingdom];

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- (b) compliance with the essential requirements set out in Regulation (EC) No 216/2008 for continuing airworthiness of aircraft registered in a third country and components for installation thereon for which their regulatory safety oversight has not been delegated to <sup>F6</sup>the United Kingdom] that are dry leased-in by a licence air carrier in accordance with Regulation (EC) No 1008/2008 of the European Parliament and the Council <sup>(7)</sup>.]

#### Textual Amendments

- F1** Substituted by [Commission Regulation \(EU\) 2015/1536 of 16 September 2015 amending Regulation \(EU\) No 1321/2014 as regards alignment of rules for continuing airworthiness with Regulation \(EC\) No 216/2008, critical maintenance tasks and aircraft continuing airworthiness monitoring \(Text with EEA relevance\)](#).
- F2** Words in Art. 1(a)(i) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\), regs. 1, 237\(2\)\(a\)\(i\) \(with Sch. 3\) \(as amended by S.I. 2019/1098, regs. 1\(3\), 12\); 2020 c. 1, Sch. 5 para. 1\(1\)](#)
- F3** Words in Art. 1(a)(i) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\), regs. 1, 237\(2\)\(a\)\(ii\) \(with Sch. 3\) \(as amended by S.I. 2019/1098, regs. 1\(3\), 12\); 2020 c. 1, Sch. 5 para. 1\(1\)](#)
- F4** Words in Art. 1(a)(ii) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\), regs. 1, 237\(2\)\(b\)\(i\) \(with Sch. 3\) \(as amended by S.I. 2019/1098, regs. 1\(3\), 12\); 2020 c. 1, Sch. 5 para. 1\(1\)](#)
- F5** Words in Art. 1(a)(ii) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\), regs. 1, 237\(2\)\(b\)\(ii\) \(with Sch. 3\) \(as amended by S.I. 2019/1098, regs. 1\(3\), 12\); 2020 c. 1, Sch. 5 para. 1\(1\)](#)
- F6** Words in Art. 1(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\), regs. 1, 237\(3\) \(with Sch. 3\) \(as amended by S.I. 2019/1098, regs. 1\(3\), 12\); 2020 c. 1, Sch. 5 para. 1\(1\)](#)

## Article 2

### Definitions

Within the scope of Regulation (EC) No 216/2008, the following definitions shall apply:

- (a) ‘aircraft’ means any machine that can derive support in the atmosphere from the reactions of the air other than reactions of the air against the earth's surface;
- (b) ‘certifying staff’ means personnel responsible for the release of an aircraft or a component after maintenance;
- (c) ‘component’ means any engine, propeller, part or appliance;
- (d) ‘continuing airworthiness’ means all of the processes ensuring that, at any time in its operating life, the aircraft complies with the airworthiness requirements in force and is in a condition for safe operation;
- (e) ‘JAA’ means ‘Joint Aviation Authorities.’;
- (f) ‘JAR’ means ‘Joint Aviation Requirements’;
- (g) <sup>F1</sup>‘commercial air transport (CAT) operation’ means an aircraft operation to transport passengers, cargo or mail for remuneration or other valuable consideration;]

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- (h) ‘maintenance’ means any one or combination of the following activities: overhaul, repair, inspection, replacement, modification or defect rectification of an aircraft or component, with the exception of pre-flight inspection;
- (i) ‘organisation’ means a natural person, a legal person or part of a legal person. Such an organisation may be established at more than one location whether or not within the territory of the [<sup>F7</sup>United Kingdom];
- (j) ‘pre-flight inspection’ means the inspection carried out before flight to ensure that the aircraft is fit for the intended flight;
- (k) ‘ELA1 aircraft’ means the following manned European light aircraft:
- (i) an aeroplane with a maximum take-off mass (MTOM) of 1 200 kg or less that is not classified as complex motor-powered aircraft;
  - (ii) a sailplane or powered sailplane of 1 200 kg MTOM or less;
  - (iii) a balloon with a maximum design lifting gas or hot air volume of not more than 3 400 m<sup>3</sup> for hot air balloons, 1 050 m<sup>3</sup> for gas balloons, 300 m<sup>3</sup> for tethered gas balloons;
  - (iv) an airship designed for not more than four occupants and a maximum design lifting gas or hot air volume of not more than 3 400 m<sup>3</sup> for hot air airships and 1 000 m<sup>3</sup> for gas airships;
- (ka) [<sup>F8c</sup> ELA2 aircraft ’ means the following manned European Light Aircraft:
- (i) an aeroplane with a Maximum Take-off Mass (MTOM) of 2 000 kg or less that is not classified as complex motor-powered aircraft;
  - (ii) a sailplane or powered sailplane of 2 000 kg MTOM or less;
  - (iii) a balloon;
  - (iv) a hot air ship;
  - (v) a gas airship complying with all of the following characteristics:
    - 3 % maximum static heaviness,
    - non-vectored thrust (except reverse thrust),
    - conventional and simple design of structure, control system and ballonet system, and
    - non-power assisted controls;
  - (vi) a Very Light Rotorcraft;]
- (l) ‘LSA aircraft’ means a light sport aeroplane which has all of the following characteristics:
- (i) a Maximum Take-off Mass (MTOM) of not more than 600 kg;
  - (ii) a maximum stalling speed in the landing configuration (VS0) of not more than 45 knots Calibrated Airspeed (CAS) at the aircraft's maximum certificated take-off mass and most critical centre of gravity;
  - (iii) a maximum seating capacity of no more than two persons, including the pilot;

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- (iv) a single, non-turbine engine fitted with a propeller;
- (v) a non-pressurised cabin;
- (m) ‘principal place of business’ means the head office or the registered office of the undertaking within which the principal financial functions and operational control of the activities referred to in this Regulation are exercised<sup>[F1]</sup>;
- (n) <sup>[F9]</sup> ‘critical maintenance task’ means a maintenance task that involves the assembly or any disturbance of a system or any part on an aircraft, engine or propeller that, if an error occurred during its performance, could directly endanger the flight safety;
- (o) ‘commercial specialised operations’ means those operations subject to the requirements of Part-ORO, Subpart-SPO set out in Annex III to Commission Regulation (EU) No 965/2012 <sup>(8)</sup>;
- (p) ‘limited operations’ means the operations of other-than-complex motor-powered aircraft for:
  - (i) cost-shared flights by private individuals, on the condition that the direct cost is shared by all the occupants of the aircraft, pilot included and the number of persons sharing the direct costs is limited to six;
  - (ii) competition flights or flying displays, on the condition that the remuneration or any valuable consideration given for such flights is limited to recovery of direct costs and a proportionate contribution to annual costs, as well as prizes of no more than a value specified by the <sup>[F10]</sup>CAA];
  - (iii) introductory flights, parachute dropping, sailplane towing or aerobatic flights performed either by a training organisation having its principal place of business in <sup>[F11]</sup>the United Kingdom] and approved in accordance with Commission Regulation (EU) No 1178/2011 <sup>(9)</sup>, or by an organisation created with the aim of promoting aerial sport or leisure aviation, on the condition that the aircraft is operated by the organisation on the basis of ownership or dry lease, that the flight does not generate profits distributed outside of the organisation, and that whenever non-members of the organisation are involved, such flights represent only a marginal activity of the organisation;

For the purpose of this Regulation, ‘limited operations’ are not considered as CAT operations or commercial specialised operations;

- (q) ‘introductory flight’ means ‘introductory flight’ as defined in Article 2(9) of Regulation (EU) No 965/2012;
- (r) ‘competition flight’ means ‘competition flight’ as defined in Article 2(10) of Regulation (EU) No 965/2012;
- (s) ‘flying display’ means ‘flying display’ as defined in Article 2(11) of Regulation (EU) No 965/2012.]

#### Textual Amendments

- F1** Substituted by [Commission Regulation \(EU\) 2015/1536 of 16 September 2015 amending Regulation \(EU\) No 1321/2014 as regards alignment of rules for continuing airworthiness with Regulation \(EC\)](#)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- No 216/2008, critical maintenance tasks and aircraft continuing airworthiness monitoring (Text with EEA relevance).
- F7** Words in Art. 2(i) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **238(2)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F8** Inserted by Commission Regulation (EU) 2015/1088 of 3 July 2015 amending Regulation (EU) No 1321/2014 as regards alleviations for maintenance procedures for general aviation aircraft.
- F9** Inserted by Commission Regulation (EU) 2015/1536 of 16 September 2015 amending Regulation (EU) No 1321/2014 as regards alignment of rules for continuing airworthiness with Regulation (EC) No 216/2008, critical maintenance tasks and aircraft continuing airworthiness monitoring (Text with EEA relevance).
- F10** Word in Art. 2(p)(ii) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **238(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F11** Words in Art. 2(p)(iii) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **238(3)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### <sup>F12</sup><sub>F11</sub> Article 3

#### Continuing airworthiness requirements

1 The continuing airworthiness of aircraft referred to in point (a) of Article 1 and components for installation thereon shall be ensured in accordance with the requirements of Annex I (Part-M), except for aircraft listed in the first subparagraph of paragraph 2 to which the requirements of Annex Vb (Part-ML) shall apply.

2 The requirements of Annex Vb (Part-ML) shall apply to the following other than complex motor-powered aircraft:

- a aeroplanes of 2 730 kg maximum take-off mass or less;
- b rotorcraft of 1 200 kg maximum take-off mass or less, certified for a maximum of up to 4 occupants;
- c other ELA2 aircraft.

Where aircraft referred to points (a), (b) and (c) of the first subparagraph is listed in the air operator certificate of an air carrier licensed in accordance with Regulation (EC) No 1008/2008, the requirements of Annex I (Part-M) shall apply.

3 In order to be listed in the air operator certificate of an air carrier licensed in accordance with Regulation (EC) No 1008/2008, aircraft referred to in points (a), (b) and (c) of the first subparagraph of paragraph 2 shall comply with all of the following requirements:

- a its aircraft maintenance programme has been approved by the <sup>F13</sup>CAA in accordance with point M.A.302 of Annex I (Part-M);
- b due maintenance required by the maintenance programme referred to in point (a) has been performed and certified in accordance with point 145.A.48 and 145.A.50 of Annex II (Part-145);
- c an airworthiness review has been performed and a new airworthiness review certificate has been issued in accordance with point M.A.901 of Annex I (Part-M).

4 By way of derogation from paragraph 1 of this Article, the continuing airworthiness of aircraft referred to in point (a) of Article 1, for which a permit to fly has been issued, shall be ensured on the basis of the specific continuing airworthiness arrangements defined in the permit

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to fly issued in accordance with Annex I (Part-21) to Commission Regulation (EU) No 748/2012<sup>(10)</sup>.

5 Aircraft maintenance programmes for aircraft referred to in point (a) of Article 1 that comply with the requirements specified in point M.A.302 of Annex I (Part-M) applicable before 24 September 2019 shall be deemed to comply with the requirements specified in point M.A.302 of Annex I (Part-M) or point ML.A.302 of Annex Vb (Part-ML), as applicable, in accordance with paragraphs 1 and 2.

6 Operators shall ensure the continuing airworthiness of aircraft referred to in point (b) of Article 1 and components for installation thereon in accordance with the requirements of Annex Va (Part-T).

7 The continuing airworthiness of aeroplanes with a maximum certificated take-off mass at or below 5 700 kg which are equipped with multiple turboprop engines shall be ensured in accordance with the requirements applicable to other than complex motor-powered aircraft as set out in points M.A.201, M.A.301, M.A.302, M.A.601 and M.A.803 of Annex I (Part-M), point 145.A.30 of Annex II (Part-145), points 66.A.5, 66.A.30, 66.A.70, Appendix V and VI of Annex III (Part-66), point CAMO.A.315 of Annex Vc (Part-CAMO), point CAO.A.010 and Appendix I of Annex Vd (Part-CAO) to the extent that they apply to other than complex motor-powered aircraft.]]

#### Editorial Information

**X1** Substituted by [Corrigendum to Commission Implementing Regulation \(EU\) 2019/1383 of 8 July 2019 amending and correcting Regulation \(EU\) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management \(Official Journal of the European Union L 228 of 4 September 2019\)](#).

#### Textual Amendments

**F12** Substituted by [Commission Implementing Regulation \(EU\) 2019/1383 of 8 July 2019 amending and correcting Regulation \(EU\) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management \(Text with EEA relevance\)](#).

**F13** Word in Art. 3(3)(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **70**

### <sup>F14</sup> Article 4

#### Approvals for organisations involved in the continuing airworthiness [of aircraft]

1 Organisations involved in the continuing airworthiness of aircraft and components for installation thereon, including maintenance, shall be approved, upon their request, by the <sup>F15</sup>CAA] in accordance with the requirements of Annex II (Part-145), Annex Vc (Part-CAMO) or Annex Vd (Part-CAO), as applicable to the respective organisations.

<sup>F16</sup>1A By way of derogation from paragraph 1, organisations involved in the maintenance of components for installation in aircraft, whose principal place of business is in a third country, may demonstrate its capability by holding a maintenance organisation approval certificate, complete with the appropriate rating and limitation, issued by that State for the part and appliance for which it applies, provided:

a that State is the State in which maintenance of the component is undertaken; and

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- b the CAA has determined that the system of that State includes the same independent level of checking compliance as provided by this Regulation, either through an equivalent system of approvals of organisations or through direct involvement of the competent authority of that State.]

2 By way of derogation from paragraph 1, until 24 September 2020 organisations may, upon their request, be issued approvals by the [F17CAA] in accordance with Subpart F and Subpart G of Annex I (Part-M). All approvals issued in accordance with Subpart F and Subpart G of Annex I (Part-M) shall be valid until 24 September 2021 .

3 Maintenance organisation approval certificates issued or recognised by [F18the CAA] in accordance with the certification specification JAR-145 referred to in Annex II to Council Regulation (EEC) No 3922/91 <sup>(11)</sup> and valid before 29 November 2003 shall be deemed to have been issued in accordance with the requirements of Annex II (Part-145) to this Regulation.

4 Organisations that hold a valid organisation approval certificate issued in accordance with Subpart F or Subpart G of Annex I (Part-M) or with Annex II (Part-145) shall, upon their request, be issued by the [F19CAA] a Form 3-CAO as set out in Appendix I to Annex Vd (Part-CAO) and thereafter be overseen by the [F19CAA] in accordance with Annex Vd (Part-CAO).

The privileges of such an organisation under the approval issued in accordance with Annex Vd (Part-CAO) shall be the same as privileges under the approval issued in accordance with Subpart F or Subpart G of Annex I (Part-M) or with Annex II (Part-145). However, those privileges shall not exceed the privileges of an organisation referred to in Section A of Annex Vd (Part-CAO).

By way of derogation from point CAO.B.060 of Annex Vd (Part-CAO), until 24 September 2021 , the organisation may correct any findings of non-compliance related to requirements introduced by Annex Vd (Part-CAO) which are not included in Subpart F or Subpart G of Annex I (Part-M) or in Annex II (Part-145).

If after 24 September 2021 the organisation has not closed these findings,, the approval certificate shall be revoked, limited or suspended in whole or in part.

5 Organisations that hold a valid continuing airworthiness management organisation approval certificate issued in accordance with Subpart G of Annex I (Part-M) shall, upon their request, be issued by the [F20CAA][F21a CAA Form 14] approval certificate in accordance with Annex Vc (Part-CAMO) and thereafter be overseen by the [F22CAA] in accordance with Annex Vc (Part-CAMO).

By way of derogation from point CAMO.B.350 of Annex Vc (Part-CAMO), until 24 September 2021 , the organisation may correct any findings of non-compliance related to requirements introduced by Annex Vc (Part-CAMO) and not included in Subpart G of Annex I (Part-M).

If after 24 September 2021 the organisation has not closed these findings, the approval certificate shall be revoked, limited or suspended in whole or in part.

6 Certificates and aircraft maintenance programme approvals issued pursuant to Regulation (EU) No 1321/2014 as applicable before 24 March 2020 shall be deemed to have been issued in accordance with this Regulation.]

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#### Textual Amendments

**F14** Substituted by [Commission Implementing Regulation \(EU\) 2020/270 of 25 February 2020 amending Regulation \(EU\) No 1321/2014 as regards transitional measures for organisations involved in the](#)



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

continuing airworthiness for general aviation and continuing airworthiness management and correcting that Regulation (Text with EEA relevance).

- F15** Word in Art. 4(2) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **71(2)**
- F16** Art. 4(1A) inserted (23.12.2022) by The Aviation Safety and Air Traffic Management (Amendment) Regulations 2022 (S.I. 2022/1235), regs. 1(2), **9(2)**
- F17** Word in Art. 4(1) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **71(2)**
- F18** Words in Art. 4(3) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **71(3)**
- F19** Word in Art. 4(4) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **71(4)**
- F20** Word in Art. 4(5) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **71(5)(a)**
- F21** Words in Art. 4(5) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **71(5)(b)**
- F22** Word in Art. 4(5) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **71(5)(c)**

## Article 5

### Certifying staff

[<sup>F12</sup>[<sup>X1</sup>1 Certifying staff shall be qualified in accordance with the requirements of Annex III (Part-66), except as provided for in points M.A.606(h), M.A.607(b), M.A.801(d) and M.A.803 of Annex I (Part-M), in points ML.A.801(c) and ML.A.803 of Annex Vb (Part-ML), in points CAO.A.035(d) and CAO.A.040(b) of Annex Vd (Part-CAO) and in points 145.A.30(j) of and Appendix IV to Annex II (Part-145).]]

2 Any aircraft maintenance licence and, if any, the technical limitations associated with that licence, issued or recognised by [<sup>F23</sup>the CAA] in accordance with the JAA requirements and procedures and valid at the time of entry into force of Regulation (EC) No 2042/2003, shall be deemed to have been issued in accordance with this Regulation.

3 Certifying staff holding a licence issued in accordance with Annex III (Part-66) in a given category/sub-category are deemed to have the privileges described in point 66.A.20(a) of the same Annex corresponding to such a category/sub-category. The basic knowledge requirements corresponding to these new privileges shall be deemed as met for the purpose of extending such licence to a new category/sub-category.

4 Certifying staff holding a licence including aircraft which do not require an individual type rating may continue to exercise his/her privileges until the first renewal or change, where the licence shall be converted following the procedure described in point 66.B.125 of Annex III (Part-66) to the ratings defined in point 66.A.45 of the same Annex.

5 Conversion reports and Examination credit reports complying with the requirements applicable before Regulation (EU) No 1149/2011 applied shall be deemed to be in compliance with this Regulation.

[<sup>F24</sup>6 Until specific requirements for certifying staff for components are added to this Regulation, the requirements laid down in [<sup>F25</sup>other relevant enactments continue to apply].]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

### Editorial Information

- X1** Substituted by [Corrigendum to Commission Implementing Regulation \(EU\) 2019/1383 of 8 July 2019 amending and correcting Regulation \(EU\) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management \(Official Journal of the European Union L 228 of 4 September 2019\)](#).

### Textual Amendments

- F12** Substituted by [Commission Implementing Regulation \(EU\) 2019/1383 of 8 July 2019 amending and correcting Regulation \(EU\) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management \(Text with EEA relevance\)](#).
- F23** Words in Art. 5(2) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **240(2)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F24** Substituted by [Commission Regulation \(EU\) 2018/1142 of 14 August 2018 amending Regulation \(EU\) No 1321/2014 as regards the introduction of certain categories of aircraft maintenance licences, the modification of the acceptance procedure of components from external suppliers and the modification of the maintenance training organisations' privileges \(Text with EEA relevance\)](#).
- F25** Words in Art. 5(6) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **240(3)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## Article 6

### Training organisation requirements

1 Organisations involved in the training of personnel referred to in Article 5 shall be approved in accordance with Annex IV (Part-147) to be entitled:

- a to conduct recognised basic training courses; and/or
- b to conduct recognised type training courses; and
- c to conduct examinations; and
- d to issue training certificates.

2 Any maintenance training organisation approval issued or recognised by <sup>F26</sup>the CAA in accordance with the JAA requirements and procedures and valid at the time of entry into force of Regulation (EC) No 2042/2003 shall be deemed to have been issued in accordance with this Regulation.

3 Type training courses approved before the approval of the minimum syllabus of certifying staff type rating training in the operational suitability data for the relevant type in accordance with Regulation (EU) No 748/2012 shall include the relevant elements defined in the mandatory part of that operational suitability data not later than 18 December 2017 or within two years after the operational suitability data was approved, whichever is the latest.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

**Textual Amendments**

**F26** Words in Art. 6(2) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **241** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

*Article 7*

Regulation (EC) No 2042/2003 is repealed.

References to the repealed Regulation shall be construed as references to this Regulation and shall be read in accordance with the correlation table in Annex VI.

<sup>F27</sup> *Article 7a*

**Competent authorities**

**Textual Amendments**

**F27** [Art. 7a](#) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **72**

*Article 8*

**Entry into force**

1 This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

<sup>F28</sup> 2 .....

<sup>F29</sup> 2a .....

<sup>F30</sup> 3 .....

4 For the purpose of time limits contained in points 66.A.25, 66.A.30 and Appendix III of Annex III (Part-66) related to basic knowledge examinations, basic experience, theoretical type training and examinations, practical training and assessment, type examinations and on the job training completed before [<sup>F31</sup>Regulation (EU) No 1149/2011 applied, the origin of time shall be the date by which Regulation (EU) No 1149/2011] applied.

<sup>F32</sup> 5 .....

[<sup>F86</sup> By way of derogation from paragraph 1:

<sup>F33</sup> a .....

b certificates issued before 1 January 2016 remain valid until they are changed, suspended or revoked.]

[<sup>F34</sup> 7 By way of derogation from paragraph 1, for aeroplanes of 5 700 kg MTOM and below which are equipped with multiple turboprop engines and which are not involved in commercial

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

operations, points M.A.201(g)(2) and (g)(3) of Annex I (Part-M) shall apply from 1 January 2025 .]

#### Textual Amendments

- F8** Inserted by Commission Regulation (EU) 2015/1088 of 3 July 2015 amending Regulation (EU) No 1321/2014 as regards alleviations for maintenance procedures for general aviation aircraft.
- F28** Art. 8(2) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **242** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F29** Art. 8(2a) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **242** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F30** Art. 8(3) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **242** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F31** Substituted by Commission Regulation (EU) 2015/1088 of 3 July 2015 amending Regulation (EU) No 1321/2014 as regards alleviations for maintenance procedures for general aviation aircraft.
- F32** Deleted by Commission Regulation (EU) 2018/1142 of 14 August 2018 amending Regulation (EU) No 1321/2014 as regards the introduction of certain categories of aircraft maintenance licences, the modification of the acceptance procedure of components from external suppliers and the modification of the maintenance training organisations' privileges (Text with EEA relevance).
- F33** Art. 8(6)(a) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **242** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F34** Inserted by Commission Regulation (EU) 2018/1142 of 14 August 2018 amending Regulation (EU) No 1321/2014 as regards the introduction of certain categories of aircraft maintenance licences, the modification of the acceptance procedure of components from external suppliers and the modification of the maintenance training organisations' privileges (Text with EEA relevance).

#### <sup>X2</sup> Article 9

[<sup>F35</sup>[<sup>X2</sup> Agency measures]]

#### Editorial Information

- X2** Deleted by Corrigendum to Commission Implementing Regulation (EU) 2019/1383 of 8 July 2019 amending and correcting Regulation (EU) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management (Official Journal of the European Union L 228 of 4 September 2019).

#### Textual Amendments

- F35** Deleted by Commission Implementing Regulation (EU) 2019/1383 of 8 July 2019 amending and correcting Regulation (EU) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management (Text with EEA relevance).

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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F36  
...

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**Textual Amendments**

**F36** Words in Signature omitted by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **244** (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), regs. 1(3), **12**); 2020 c. 1, [Sch. 5 para. 1\(1\)](#)

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## ANNEX I

## (Part-M)

## M.1

F37 ...

**Textual Amendments**

**F37** Annex 1 point M.1 omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **246(2)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## SECTION A

## TECHNICAL REQUIREMENTS

SUBPART ~~GENERAL~~

A

[<sup>F12</sup>[<sup>X1</sup>M.A.] ~~Scope~~

This Section establishes the measures to be taken to ensure that the airworthiness of aircraft is maintained, including its maintenance. It also specifies the conditions to be met by the persons or organisations involved in such activities.]]

SUBPART ~~ACCOUNTABILITY~~

B

M.A.201 **Responsibilities**

- (a) [<sup>F12</sup>[<sup>X1</sup>The owner of the aircraft shall be responsible for the continuing airworthiness of aircraft and shall ensure that no flight takes place unless all of the following requirements are met:
- (1) the aircraft is maintained in an airworthy condition;
  - (2) any operational and emergency equipment fitted is correctly installed and serviceable or clearly identified as unserviceable;
  - (3) the airworthiness certificate is valid;
  - (4) the maintenance of the aircraft is performed in accordance with the AMP specified in point M.A.302.]]
- (b) When the aircraft is leased, the responsibilities of the owner are transferred to the lessee if:
1. the lessee is stipulated on the registration document; or
  2. detailed in the leasing contract.

When reference is made in this Part to the 'owner', the term owner covers the owner or the lessee, as applicable.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (c) Any person or organisation performing maintenance shall be responsible for the tasks performed.
- (d) <sup>[F1]</sup><sup>[F12]</sup><sup>[X1]</sup>The pilot-in-command or, in the case of aircraft used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, the operator, shall be responsible for the satisfactory accomplishment of the pre-flight inspection. That inspection shall be carried out by the pilot or another qualified person and shall not need to be carried out by an approved maintenance organisation or by certifying staff.
- (e) <sup>[F14]</sup>In the case of aircraft used by air carriers licensed in accordance with Regulation (EC) No 1008/2008 <sup>(12)</sup> the operator shall be responsible for the continuing airworthiness of the aircraft it operates and shall:
- (1) ensure that no flight takes place unless the conditions set out in point (a) are met;
  - (2) take the necessary steps to ensure its approval as a continuing airworthiness management organisation ( ‘ CAMO ’ ) pursuant to Annex Vc (Part-CAMO) or Subpart G of this Annex (Part-M), as part of air operator certificate for the aircraft it operates;
  - (3) take the necessary steps to ensure its approval in accordance with Annex II (Part-145) or conclude a written contract in accordance with point CAMO.A.315(c) of Annex Vc (Part-CAMO) or point M.A.708(c) of this Annex (Part-M) with an organisation which has been approved in accordance with Annex II (Part-145).
- (f) For complex motor-powered aircraft used for commercial specialised operations, for CAT operations other than those performed by air carriers licensed in accordance with Regulation (EC) No 1008/2008 or by commercial Approved Training Organisations ( ‘ ATO ’ ) and Declared Training Organisations ( ‘ DTO ’ ) referred to in Article 10a of Regulation (EU) No 1178/2011 <sup>(13)</sup> , the operator shall ensure that:
- (1) no flight takes place unless the conditions set out in point (a) are met;
  - (2) the tasks associated with continuing airworthiness are performed by a CAMO approved in accordance with Annex Vc (Part-CAMO) or Subpart G of this Annex (Part-M); when the operator is not a CAMO approved in accordance with Annex Vc (Part-CAMO) or Subpart G of this Annex (Part-M), it shall conclude a written contract as regards the performance of those tasks in accordance with Appendix I to this Annex with an organisation approved in accordance with Annex Vc (Part-CAMO) or Subpart G of this Annex (Part-M);
  - (3) the CAMO referred to in point (2) is approved in accordance with Annex II (Part-145) as an organisation to qualify for the issue of an approval for the maintenance of aircraft and of components for installation thereon, or that CAMO has concluded a written contract in accordance with point CAMO.A.315(c) of Annex Vc (Part-CAMO) or point M.A.708(c) of this Annex (Part-M) with organisations approved in accordance with Annex II (Part-145).
- (g) For complex motor-powered aircraft not included in points (e) and (f), the owner shall ensure that:
- (1) no flight takes place unless the conditions set out in point (a) are met;

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- (2) the tasks associated with continuing airworthiness are performed by a CAMO approved in accordance with Annex Vc (Part-CAMO) or Subpart G of this Annex (Part-M); when the owner is not a CAMO approved in accordance with Annex Vc (Part-CAMO) or Subpart G of this Annex (Part-M), it shall conclude a written contract as regards the performance of those tasks in accordance with Appendix I to this Annex with an organisation approved in accordance with Annex Vc (Part-CAMO) or Subpart G of this Annex (Part-M);
  - (3) the CAMO referred to in point (2) is approved in accordance with Annex II (Part-145) as an organisation to qualify for the issue of an approval for the maintenance of aircraft and of components for installation thereon, or that CAMO has concluded a written contract in accordance with point CAMO.A.315(c) of Annex Vc (Part-CAMO) or point M.A.708(c) of this Annex (Part-M) with organisations approved in accordance with Annex II (Part-145).
- (h) For aircraft other than complex motor-powered aircraft used for commercial specialised operations or for CAT operations other than those performed by air carriers licensed in accordance with Regulation (EC) No 1008/2008, or by commercial ATOs and commercial DTOs referred to in Article 10a of Regulation (EU) No 1178/2011, the operator shall ensure that:
- (1) no flight takes place unless the conditions set out in point (a) are met;
  - (2) the tasks associated with continuing airworthiness are performed by a CAMO approved in accordance with Annex Vc (Part-CAMO) or Subpart G of this Annex (Part-M), or a combined airworthiness organisation ( ‘ CAO ’ ) approved in accordance with Annex Vd (Part-CAO); when the operator is not a CAMO approved in accordance with Annex Vc (Part-CAMO) or Subpart G of this Annex (Part-M), or a CAO approved in accordance with Annex Vd (Part-CAO), it shall conclude a written contract in accordance with Appendix I to this Annex with a CAMO approved in accordance with Annex Vc (Part-CAMO) or Subpart G of this Annex (Part-M), or a CAO approved in accordance with Annex Vd (Part-CAO);
  - (3) the CAMO or CAO referred to in point (2) is approved in accordance with Annex II (Part-145) or in accordance with Subpart F of this Annex (Part-M), or as a CAO with maintenance privileges, or that CAMO has concluded a written contract in accordance with point CAMO.A.315(c) of Annex Vc (Part-CAMO) or point M.A.708(c) of this Annex (Part-M) with organisations approved in accordance with Annex II (Part-145) or in accordance with Subpart F of this Annex (Part-M) or Annex Vd (Part-CAO) with maintenance privileges.
- (i) For aircraft other than complex motor-powered aircraft not included in points (e) and (h), or used for limited operations, the owner shall ensure that flight takes place only if the conditions set out in point (a) are met. To that end, the owner shall:
- (1) attribute the continuing airworthiness tasks referred to in point M.A.301 to a CAMO or CAO through a written contract concluded in accordance with Appendix I; or
  - (2) carry out those tasks himself; or



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (3) carry out those tasks himself except the tasks of the development of and the processing of the approval of the AMP, only if those tasks are performed by a CAMO or CAO through a limited contract concluded in accordance with point M.A.302.]]]
- (j) The owner/operator shall ensure that any person authorised by the [F38CAA] is granted access to any of its facilities, aircraft or documents related to its activities, including any subcontracted activities, to determine compliance with this Part.]
- (k) [F14Where an aircraft included in an air operator certificate is used for non-commercial operations or specialised operations under point ORO.GEN.310 of Annex III or point NCO.GEN.104 of Annex VII to Regulation (EU) No 965/2012, the operator shall ensure that the tasks associated with continuing airworthiness are performed by the CAMO approved in accordance with Annex Vc (Part-CAMO) or Subpart G of this Annex (Part-M) or the combined airworthiness organisation ( ‘ CAO ’ ) approved in accordance with Annex Vd (Part-CAO), whichever applicable, of the air operator certificate holder.]

#### Textual Amendments

**F38** Word in Annex 1 point M.A.201(j) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 247(2) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### [F12][X1M.A.201] Occurrence reporting

- (a) Without prejudice to the reporting requirements set out in Annex II (Part-145) and Annex Vc (Part-CAMO), any person or organisation responsible in accordance with point M.A.201 shall report any identified condition of an aircraft or component which endangers flight safety to:
- (1) [F39the CAA;]
  - (2) to the organisation responsible for the type design or supplemental type design.
- (b) The reports referred to in point (a) shall be made in a manner determined by the [F40CAA] and shall contain all pertinent information about the condition known to the person or organisation making the report.
- (c) Where the maintenance or the airworthiness review of the aircraft is carried out on the basis of a written contract, the person or the organisation responsible for those activities shall also report any condition referred to in point (a) to the owner and the operator of the aircraft and, when different, to the CAMO or CAO concerned.
- (d) The person or organisation shall submit the reports referred to in points (a) and (c) as soon as possible, but no later than 72 hours from the moment when the person or organisation identified the condition to which the report relates, unless exceptional circumstances prevent this.
- (e) The person or organisation shall submit a follow-up report, providing details of actions which that person or organisation intends to take to prevent similar occurrences in the future, as soon as those actions have been identified. The follow-up report shall be submitted in a form and manner established by the [F41CAA].]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

- F39** Words in Annex 1 point M.A.202(a)(1) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **73(3)(a)**
- F40** Word in Annex 1 point M.A.202(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **73(3)(b)**
- F41** Word in Annex 1 point M.A.202(e) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **73(3)(c)**

## SUBPART CONTINUING AIRWORTHINESS

C

### [<sup>F12</sup>[<sup>X1</sup>M.A.301] Continuing airworthiness tasks

The aircraft continuing airworthiness and the serviceability of operational and emergency equipment shall be ensured by:

- (a) the accomplishment of pre-flight inspections;
- (b) the rectification of any defect and damage affecting safe operation in accordance with data specified in points M.A.304 and M.A.401, as applicable, while taking into account the minimum equipment list ( ‘ MEL ’ ) and configuration deviation list, when they exist;
- (c) the accomplishment of all maintenance in accordance with the AMP referred to in point M.A.302;
- (d) the release of all maintenance in accordance with Subpart H;
- (e) for all complex motor-powered aircraft or aircraft used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, the analysis of the effectiveness of the approved AMP referred to in point M.A.302;
- (f) the accomplishment of any applicable:
  - (1) airworthiness directive (AD);
  - (2) operational directive with a continuing airworthiness impact;
  - (3) continuing airworthiness requirement established by the [<sup>F42</sup>CAA];
  - (4) measures required by the [<sup>F43</sup>CAA] in immediate reaction to a safety problem;
- (g) the accomplishment of modifications and repairs in accordance with point M.A.304;
- (h) delivering to the pilot-in-command, or to the operator in the case of air carriers licensed in accordance with Regulation (EC) No 1008/2008, the mass and balance statement reflecting the current configuration of the aircraft;
- (i) maintenance check flights, when necessary.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

- F42** Word in Annex 1 point M.A.301(f)(3) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **248(2)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **19(2)(a)(b)**); 2020 c. 1, Sch. 5 para. 1(1)
- F43** Word in Annex 1 point M.A.301(f)(4) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **248(2)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **19(2)(a)(c)**); 2020 c. 1, Sch. 5 para. 1(1)

### M.A.302 Aircraft maintenance programme

- (a) Maintenance of each aircraft shall be organised in accordance with an AMP.
- (b) The AMP and any subsequent amendments thereto shall be approved by the [F44CAA].
- (c) [F14When the continuing airworthiness of aircraft is managed by a CAMO or CAO, or when there is a limited contract between the owner and a CAMO or CAO concluded in accordance with point M.A.201(i)(3), the AMP and its amendments may be approved through an indirect approval procedure.

In that case, the indirect approval procedure shall be established by the CAMO or CAO concerned as part of the continuing airworthiness management exposition ( ‘ CAME ’ ) referred to in point CAMO.A.300 of Annex Vc or point M.A.704 of this Annex, or as part of the combined airworthiness exposition ( ‘ CAE ’ ) referred to in point CAO.A.025 of Annex Vd and shall be approved by the [F45CAA].]

F46  
...

- (d) The AMP shall demonstrate compliance with:
- (1) the instructions issued by the [F47CAA];
  - (2) the instructions for continuing airworthiness:
    - (i) issued by the holders of the type certificate, restricted type certificate, supplemental type certificate, major repair design approval, [F48UKTSO] authorisation or any other relevant approval issued under Annex I (Part-21) to Regulation (EU) No 748/2012;
    - (ii) included in the certification specifications referred to in point 21.A.90B or 21.A.431B of Annex I (Part-21) to Regulation (EU) No 748/2012, if applicable;
- 3 [F49the applicable provisions of Annex I (Part-26) to Regulation (EU) 2015/640.]
- (e) By derogation to point (d), the owner or the organisation managing the continuing airworthiness of the aircraft may deviate from the instruction referred to in point (d) (2) and propose escalated intervals in the AMP, based on data obtained from sufficient reviews carried out in accordance with point (h). Indirect approval is not permitted for the escalation of safety-related tasks. The owner or the organisation managing the continuing airworthiness of the aircraft may also propose additional instructions in the AMP.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (f) The AMP shall contain details of all maintenance to be carried out, including frequency and any specific tasks linked to the type and specificity of operations.
- (g) For complex motor-powered aircraft, when the AMP is based on maintenance steering group logic or on condition monitoring, the AMP shall include a reliability programme.
- (h) The AMP shall be subject to periodic reviews and be amended accordingly when necessary. Those reviews shall ensure that the AMP continues to be up to date and valid in light of the operating experience and instructions from the [F50CAA], while taking into account new or modified maintenance instructions issued by the type certificate and supplemental type certificate holders and any other organisation that publishes such data in accordance with Annex I (Part-21) to Regulation (EU) No 748/2012.]]

#### Textual Amendments

- F44** Word in Annex 1 point M.A.302(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **248(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F45** Word in Annex 1 point M.A.302(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **248(3)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **19(3)(a)(i)**); 2020 c. 1, Sch. 5 para. 1(1)
- F46** Words in Annex 1 point M.A.302(c) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **248(3)(b)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **19(3)(a)(ii)**); 2020 c. 1, Sch. 5 para. 1(1)
- F47** Word in Annex 1 point M.A.302(d)(1) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **248(3)(c)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **19(3)(b)(i)**); 2020 c. 1, Sch. 5 para. 1(1)
- F48** Word in Annex 1 point M.A.302(d)(2)(i) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **248(3)(c)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **19(3)(b)(ii)**); 2020 c. 1, Sch. 5 para. 1(1)
- F49** Annex 1 point M.A.302(d)(3) inserted (20.11.2021) by The Aviation Safety (Amendment) (No. 3) Regulations 2021 (S.I. 2021/1203), regs. 1(2), **17**
- F50** Word in Annex 1 point M.A.302(h) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **248(3)(e)** (as substituted by S.I. 2020/1116, regs. 1(3), **19(3)(d)**); 2020 c. 1, Sch. 5 para. 1(1)

#### M.A.303 Airworthiness directives

Any applicable airworthiness directive must be carried out within the requirements of that airworthiness directive, unless otherwise specified by the [F51CAA].

#### Textual Amendments

- F51** Word in Annex 1 point M.A.303 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **248(4)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### [F12X1] ~~M.A.304~~ **Data for modifications and repairs**

A person or organisation repairing an aircraft or a component, shall assess any damage. Modifications and repairs shall be carried out using, as appropriate, the following data:

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (a) approved by the [F52CAA];
- (b) approved by a design organisation complying with Annex I (Part-21) to Regulation (EU) No 748/2012;
- (c) contained in the requirements referred to in point 21.A.90B or 21.A.431B of Annex I (Part-21) to Regulation (EU) No 748/2012.]]

#### Textual Amendments

**F52** Word in Annex 1 point M.A.304 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 248(4) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### [F12][X1]M.A.305 Aircraft continuing airworthiness record system

- (a) At the completion of any maintenance, aircraft certificate of release to service ( ‘ CRS ’ ) required by point M.A.801 or point 145.A.50, as applicable, shall be entered in the aircraft continuing airworthiness record system, as soon as practicable and no later than 30 days after the completion of any maintenance.
- (b) The aircraft continuing airworthiness record system shall contain the following:
  - 1. the date of the entry, the total in-service life accumulated in the applicable parameter for aircraft, engine(s) and/or propeller(s);
  - 2. the aircraft continuing airworthiness records described in points (c) and (d) below together with the supporting detailed maintenance records described in point (e) below;
  - 3. if required by point M.A.306, the aircraft technical log.
- (c) The aircraft continuing airworthiness records shall include the current mass and balance report and the current status of:
  - 1. ADs and measures mandated by the [F53CAA] in immediate reaction to a safety problem;
  - 2. modifications and repairs;
  - 3. compliance with the AMP;
  - 4. deferred maintenance tasks and deferred defects rectification.
- (d) The aircraft continuing airworthiness records shall include the current status specific to components of:
  - 1. life-limited parts, including the life accumulated by each affected part in relation to the applicable airworthiness limitation parameter; and
  - 2. time-controlled components, including the life accumulated by the affected components in the applicable parameter, since the last accomplishment of scheduled maintenance, as specified in the AMP.
- (e) The owner or operator shall establish a system to keep the following documents and data in a form acceptable to the [F54CAA] and for the periods specified below:

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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1. aircraft technical log system: the technical log or other data equivalent in scope and detail, covering the 36 months period prior to the last entry,
2. the CRS and detailed maintenance records:
  - (i) demonstrating compliance with ADs and measures mandated by the [F<sup>54</sup>CAA] in immediate reaction to a safety problem applicable to the aircraft, engine(s), propeller(s) and components fitted thereto, as appropriate, until such time as the information contained therein is superseded by new information equivalent in scope and detail but covering a period not shorter than 36 months;
  - (ii) demonstrating compliance with the applicable data in accordance with point M.A.304 for current modifications and repairs to the aircraft, engine(s), propeller(s) and any component subject to airworthiness limitations; and
  - (iii) of all scheduled maintenance or other maintenance required for continuing airworthiness of aircraft, engine(s), propeller(s), as appropriate, until such time as the information contained therein is superseded by new information equivalent in scope and detail but covering a period not shorter than 36 months.
3. data specific to certain components:
  - (i) an in-service history record for each life-limited part based on which the current status of compliance with airworthiness limitations is determined;
  - (ii) the CRS and detailed maintenance records for the last accomplishment of any scheduled maintenance and any subsequent unscheduled maintenance of all life-limited parts and time-controlled components until the scheduled maintenance has been superseded by another scheduled maintenance of equivalent scope and detail but covering a period not shorter than 36 months;
  - (iii) the CRS and owner's acceptance statement for any component that is fitted to an ELA2 aircraft without an [F<sup>55</sup>CAA Form 1] in accordance with point (c) of point 21.A.307 of Annex I (Part-21) to Regulation (EU) No 748/2012 but covering a period not shorter than 36 months.
4. Record-keeping periods when the aircraft is permanently withdrawn from service:
  - (i) the data required by point (b)(1) of point M.A.305 in respect of aircraft, engine(s), and propeller(s) which shall be retained for at least 12 months;
  - (ii) the last effective status and reports as identified under points (c) and (d) of point M.A.305 which shall be retained for at least 12 months; and
  - (iii) the most recent CRS(s) and detailed maintenance records as identified under points (e)(2)(ii) and (e)(3)(i) of point M.A.305 which shall be retained for at least 12 months.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (f) The person or organisation responsible for the management of continuing airworthiness tasks pursuant to point M.A.201 shall comply with the requirements regarding the aircraft continuing airworthiness record system and present the records to the [F56CAA] upon request.
- (g) All entries made in the aircraft continuing airworthiness record system shall be clear and accurate. When it is necessary to correct an entry, the correction shall be made in a manner that clearly shows the original entry.]]

#### Textual Amendments

- F53** Word in Annex 1 point M.A.305(c) substituted (31.12.2020) by S.I. 2019/645, reg. 248(5)(a) (as substituted by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(3), 19(4))
- F54** Word in Annex 1 point M.A.305(e) substituted (31.12.2020) by S.I. 2019/645, reg. 248(5)(a) (as substituted by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(3), 19(4))
- F55** Words in Annex 1 point M.A.305(e) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 248(5)(b) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F56** Word in Annex 1 M.A.305(f) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 248(5)(c) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### [F1M.A.305] Aircraft technical log system]

- (a) [F1][F12][X1]In addition to the requirements of point M.A.305, for CAT, commercial specialised operations and commercial ATO or commercial DTO operations, the operator shall use a technical log system containing the following information for each aircraft:]]
1. information about each flight, necessary to ensure continued flight safety, and;
  2. the current aircraft certificate of release to service, and;
  3. the current maintenance statement giving the aircraft maintenance status of what scheduled and out of phase maintenance is next due except that the [F57CAA] may agree to the maintenance statement being kept elsewhere, and;
  4. all outstanding deferred defects rectifications that affect the operation of the aircraft, and;
  5. any necessary guidance instructions on maintenance support arrangements.]
- (b) [F14]The initial issue of aircraft technical log system shall be approved by the [F58CAA]. Any subsequent amendment to that system shall be managed in accordance with point CAMO.A.300(c), or points M.A.704(b) and (c), or point CAO.A.025(c).]
- (c) x2 ...

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#### Textual Amendments

- F57** Word in Annex 1 point M.A.306(a)(3) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **73(4)(a)**
- F58** Word in Annex 1 M.A.306(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **73(4)(b)**

#### M.A.307 Transfer of aircraft continuing airworthiness records

- (a) <sup>[F12]</sup><sup>[X1]</sup>When an aircraft is permanently transferred from one owner or operator to another, the transferring owner or operator shall ensure that the continuing airworthiness records referred to in point M.A.305 and, if applicable the technical log system referred to in point M.A.306, are also transferred.
- (b) When the owner contracts the continuing airworthiness management tasks to a CAMO or CAO, the owner shall ensure that the continuing airworthiness records referred to in point M.A.305 are transferred to that contracted organisation.
- (c) The time periods for the retention of records set out in point (e) of point M.A.305 shall continue to apply to the new owner, operator, CAMO or CAO.]]

#### SUBPART MAINTENANCE STANDARDS

##### D

#### M.A.401 Maintenance data

- (a) The person or organisation maintaining an aircraft shall have access to and use only applicable current maintenance data in the performance of maintenance including modifications and repairs.
- (b) For the purposes of this Part, applicable maintenance data is:
1. any applicable requirement, procedure, standard or information issued by the <sup>[F59]</sup>CAA],
  2. any applicable airworthiness directive,
  3. applicable instructions for continuing airworthiness, issued by type certificate holders, supplementary type certificate holders and any other organisation that publishes such data in accordance with Annex I (Part-21) to Regulation (EU) No 748/2012.
  4. any applicable data issued in accordance with point 145.A.45(d).
- (c) The person or organisation maintaining an aircraft shall ensure that all applicable maintenance data is current and readily available for use when required. The person or organisation shall establish a work card or worksheet system to be used and shall either transcribe accurately the maintenance data onto such work cards or worksheets or make precise reference to the particular maintenance task or tasks contained in such maintenance data.



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F59** Word in Annex 1 point M.A.401(b)(1) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 249 (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### [<sup>F1</sup>M.A.402] **Performance of maintenance**

Except for maintenance performed by a maintenance organisation approved in accordance with Annex II (Part-145), any person or organisation performing maintenance shall:

- (a) be qualified for the tasks performed, as required by this part;
- (b) ensure that the area in which maintenance is carried out is well organised and clean in respect of dirt and contamination;
- (c) use the methods, techniques, standards and instructions specified in the M.A.401 maintenance data;
- (d) use the tools, equipment and material specified in the M.A.401 maintenance data. If necessary, tools and equipment shall be controlled and calibrated to an officially recognised standard;
- (e) ensure that maintenance is performed within any environmental limitations specified in the M.A.401 maintenance data;
- (f) ensure that proper facilities are used in case of inclement weather or lengthy maintenance;
- (g) ensure that the risk of multiple errors during maintenance and the risk of errors being repeated in identical maintenance tasks are minimised;
- (h) ensure that an error capturing method is implemented after the performance of any critical maintenance task; and
- (i) carry out a general verification after completion of maintenance to ensure the aircraft or component is clear of all tools, equipment and any extraneous parts or material, and that all access panels removed have been refitted.]

### M.A.403 **Aircraft defects**

- (a) Any aircraft defect that hazards seriously the flight safety shall be rectified before further flight.
- (b) [<sup>F1</sup>Only the authorised certifying staff, according to points M.A.801(b)1, M.A.801(b)2, M.A.801(c), M.A.801(d) or Annex II (Part-145) can decide, using M.A.401 maintenance data, whether an aircraft defect hazards seriously the flight safety and therefore decide when and which rectification action shall be taken before further flight and which defect rectification can be deferred. However, this does not apply when the MEL is used by the pilot or by the authorised certifying staff.
- (c) Any aircraft defect that would not hazard seriously the flight safety shall be rectified as soon as practicable, after the date the aircraft defect was first identified and within any limits specified in the maintenance data or the MEL.]

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- (d) <sup>[F12]</sup><sup>[X1]</sup> Any defect not rectified before flight shall be recorded in the aircraft continuing airworthiness record system referred to in point M.A.305 or, if applicable in the aircraft technical log system referred to in point M.A.306.]]

## SUBPART COMPONENTS

E

### <sup>[F24]</sup>M.A.501 Classification and installation

- (a) All components shall be classified into the following categories:
- (1) <sup>[F12]</sup><sup>[X1]</sup> Components which are in a satisfactory condition, released on <sup>[F60]</sup>a CAA Form 1] or equivalent and marked in accordance with Subpart Q of Annex I (Part-21) to Regulation (EU) No 748/2012, unless otherwise specified in Annex I (Part-21) to Regulation (EU) No 748/2012 or in this Annex (Part-M) or Annex Vd (Part-CAO).]]
  - (2) Unserviceable components which shall be maintained in accordance with this Regulation.
  - (3) <sup>[F12]</sup><sup>[X1]</sup> Components categorised as unsalvageable because they have reached their mandatory life limitation or contain a non-repairable defect.]]
  - (4) Standard parts used on an aircraft, engine, propeller or other aircraft component when specified in the maintenance data and accompanied by evidence of conformity traceable to the applicable standard.
  - (5) Material both raw and consumable used in the course of maintenance when the organisation is satisfied that the material meets the required specification and has appropriate traceability. All materials must be accompanied by documentation clearly relating to the particular material and containing a conformity to specification statement plus both the manufacturing and supplier source.
- (b) Components, standard parts and material shall only be installed on an aircraft or a component when they are in a satisfactory condition, belong to one of the categories listed in point (a) and the applicable maintenance data specifies the particular component, standard part or material.]

#### Textual Amendments

**F60** Words in Annex 1 M.A.501(a)(1) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **250(2)** (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, [Sch. 5 para. 1\(1\)](#))

### <sup>[F12]</sup><sup>[X1]</sup>M.A.902 Component maintenance

- (a) The maintenance of components shall be performed by maintenance organisations approved in accordance with Subpart F of this Annex or with Annex II (Part-145) or with Annex Vd (Part-CAO), as applicable.
- (b) <sup>[F14]</sup>By derogation from point (a), where a component is fitted to the aircraft, the maintenance of such component may be performed by an aircraft maintenance organisation approved in accordance with Subpart F of this Annex or with Annex II (Part-145) or with Annex Vd (Part-CAO) or by certifying staff referred to in point

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M.A.801(b)(1).] Such maintenance shall be performed in accordance with aircraft maintenance data or in accordance with component maintenance data if the [<sup>F61</sup>CAA] agreed. Such aircraft maintenance organisation or certifying staff may temporarily remove the component for maintenance if this is necessary to improve access to the component, except where additional maintenance is required due to the removal. Component maintenance performed in accordance with this point shall not be eligible for the issuance of [<sup>F62</sup>a CAA Form 1] and shall be subject to the aircraft release requirements provided for in point M.A.801.

- (c) By derogation from point (a), where a component is fitted to the engine or auxiliary power unit ( ‘ APU ’ ), the maintenance of such component may be performed by an engine maintenance organisation approved in accordance with Subpart F of this Annex, or with Annex II (Part-145) or with Annex Vd (Part-CAO). Such maintenance shall be performed in accordance with engine or APU maintenance data or in accordance with component maintenance data if agreed by the [<sup>F63</sup>CAA]. Such B-rated organisation may temporarily remove the component for maintenance if this is necessary to improve access to the component, except where additional maintenance is required due to the removal.

#### Textual Amendments

- F61** Word in Annex 1 point M.A.502(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **250(3)(a)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F62** Words in Annex 1 point M.A.502(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **250(3)(a)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F63** Word in Annex 1 point M.A.502(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **250(3)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

Points (a) to (c) above shall not apply to components referred to in point (c) of point 21.A.307 of Annex I (Part-21) to Regulation (EU) No 748/2012.

- (d) [<sup>F14</sup>Maintenance of components referred to in point (c) of point 21.A.307 of Annex I (Part 21) to Regulation (EU) No 748/2012, where the component is fitted to the aircraft or is temporarily removed to improve access, shall be performed by an aircraft maintenance organisation approved in accordance with Subpart F of this Annex or with Annex II (Part-145) or with Annex Vd (Part-CAO), as applicable, by certifying staff referred to in point M.A.801(b)(1) or by the pilot-owner referred to in point M.A.801(b)(2).] Component maintenance performed in accordance with this point shall not be eligible for the issuance of [<sup>F64</sup>a CAA Form 1] and shall be subject to the aircraft release requirements provided for in point M.A.801.]]

#### Textual Amendments

- F64** Words in Annex 1 point M.A.502(d) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **250(3)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

[<sup>F12</sup>X1] **M.A.503 limited parts and time-controlled components**

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- (a) <sup>[F14]</sup> Installed life-limited parts and time-controlled components shall not exceed the approved limitation as specified in the AMP and ADs, except as provided for in point M.A.504(b).]
- (b) When the approved limitation expires, the component shall be removed from the aircraft for maintenance, or for disposal in the case of life-limited parts.]]

<sup>[F24]</sup> M.A.504 **Segregation of components**

- (a) Unserviceable and unsalvageable components shall be segregated from serviceable components, standards parts and materials.
- (b) <sup>[F12]</sup><sup>[X1]</sup> Unsalvageable components shall not be permitted to re-enter the component supply system unless the mandatory life limitation has been extended or a repair solution has been approved in accordance with Regulation (EU) No 748/2012.]]]

**SUBPART MAINTENANCE ORGANISATION**

F

<sup>[F1]</sup> M.A.601 **Scope**

This Subpart establishes the requirements to be met by an organisation to qualify for the issue or continuation of an approval for the maintenance of aircraft other than complex motor powered aircraft and components to be installed therein not used by licenced air carriers in accordance with Regulation (EC) No 1008/2008.]

**M.A.602 Application**

An application for issue or change of a maintenance organisation approval shall be made on a form and in a manner established by the <sup>[F65]</sup>CAA].

**Textual Amendments**

**F65** Word in Annex 1 point M.A.602 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 251(2) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**M.A.603 Extent of approval**

- (a) <sup>[F12]</sup><sup>[X1]</sup> An organisation involved in activities subject to this Subpart shall not exercise its activities unless approved by the <sup>[F66]</sup>CAA]. To that aim, the <sup>[F66]</sup>CAA] shall use the template set out in Appendix V.
- (b) The scope of work subject to approval shall be specified in the maintenance organisation manual in accordance with point M.A.604. Classes and ratings to be used for the approval of maintenance organisations are set out in Appendix IV of this Part.]]
- (c) An approved maintenance organisation may fabricate, in conformity with maintenance data, a restricted range of parts for the use in the course of undergoing work within its own facilities, as identified in the maintenance organisation manual.

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#### Textual Amendments

**F66** Word in Annex 1 point M.A.603 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **251(2)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.A.604 Maintenance organisation manual

- (a) The maintenance organisation shall provide a manual containing at least the following information:
1. <sup>[F12]</sup><sup>[X1]</sup>a statement signed by the accountable manager appointed in accordance with point M.A.606, point (a) which confirms that the organisation will at all times carry out its activities in accordance with the requirements of this Annex (Part-M) or Annex Vb (Part-ML), as applicable, and with the manual;]]
  2. the organisation's scope of work, and;
  3. the title(s) and name(s) of person(s) referred to in point M.A.606(b), and;
  4. an organisation chart showing associated chains of responsibility between the person(s) referred to in point M.A.606(b), and;
  5. <sup>[F31]</sup><sup>[F14]</sup>a list of certifying staff and, if applicable, airworthiness review staff, with their scope of approval, and;]
  6. a list of locations where maintenance is carried out, together with a general description of the facilities, and;]
  7. procedures specifying how the maintenance organisation ensures compliance with this Part, and;
  8. the maintenance organisation manual amendment procedure(s).
- (b) The maintenance organisation manual and its amendments shall be approved by the <sup>[F67]</sup>CAA].
- (c) Notwithstanding point (b) minor amendments to the manual may be approved through a procedure (hereinafter called indirect approval).

#### Textual Amendments

**F67** Word in Annex 1 points M.A.604 and M.A.606 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **251(2)** (as amended by [S.I. 2020/1116](#), regs. 1(3), **20(a)**); 2020 c. 1, Sch. 5 para. 1(1)

#### M.A.605 Facilities

The organisation shall ensure that:

- (a) Facilities are provided for all planned work, specialised workshops and bays are segregated as appropriate, to ensure protection from contamination and the environment.

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- (b) Office accommodation is provided for the management of all planned work including in particular, the completion of maintenance records.
- (c) Secure storage facilities are provided for components, equipment, tools and material. Storage conditions shall ensure segregation of unserviceable components and material from all other components, material, equipment and tools. Storage conditions shall be in accordance with the manufacturers' instructions and access shall be restricted to authorised personnel.

#### M.A.606 Personnel requirements

- (a) The organisation shall appoint an accountable manager, who has corporate authority for ensuring that all maintenance required by the customer can be financed and carried out to the standard required by this Part.
- (b) A person or group of persons shall be nominated with the responsibility of ensuring that the organisation is always in compliance with this Subpart. Such person(s) shall be ultimately responsible to the accountable manager.
- (c) All point (b) persons shall be able to show relevant knowledge, background and appropriate experience related to aircraft and/or component maintenance.
- (d) The organisation shall have appropriate staff for the normal expected contracted work. The use of temporarily sub-contracted staff is permitted in the case of higher than normally expected contracted work and only for personnel not issuing a certificate of release to service.
- (e) <sup>[F14]</sup>The qualification of all personnel involved in maintenance and airworthiness reviews shall be demonstrated and recorded.]
- (f) Personnel who carry out specialised tasks such as welding, non-destructive testing/inspection other than colour contrast shall be qualified in accordance with an officially recognised standard.
- (g) <sup>[F24]</sup>The maintenance organisation shall have sufficient certifying staff to issue certificates of release to service for aircraft and components provided for in points M.A.612 and M.A.613. The staff shall comply with the following requirements:
  1. Annex III (Part-66) in the case of aircraft;
  2. Article 5(6) of this Regulation in the case of components.]
- (h) By derogation from point (g), the organisation may use certifying staff qualified in accordance with the following provisions when providing maintenance support to operators involved in commercial operations, subject to appropriate procedures to be approved as part of the organisation's manual:
  1. For a repetitive pre-flight airworthiness directive which specifically states that the flight crew may carry out such airworthiness directive, the organisation may issue a limited certifying staff authorisation to the aircraft commander on the basis of the flight crew licence held, provided that the organisation ensures that sufficient practical training has been carried out to ensure that such person can accomplish the airworthiness directive to the required standard;
  2. In the case of aircraft operating away from a supported location the organisation may issue a limited certifying staff authorisation to the aircraft

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commander on the basis of the flight crew licence, provided that the organisation ensures that sufficient practical training has been carried out to ensure that such person can accomplish the task to the required standard.

- (i) <sup>[F8]</sup><sup>[F14]</sup>If the organisation performs airworthiness reviews and issues the corresponding airworthiness review certificate for ELA1 aircraft not involved in commercial operations in accordance with point ML.A.903 of Annex Vb (Part-ML), it shall have airworthiness review staff qualified and authorised meeting all of the following requirements:
1. shall hold a certifying staff authorisation for the corresponding aircraft;
  2. shall have at least three years of experience as certifying staff;
  3. shall be independent from the continuing airworthiness management process of the aircraft being reviewed or shall have overall authority on the continuing airworthiness management process of the complete aircraft being reviewed;
  4. shall have acquired knowledge of Subpart C of this Annex (Part-M) or Subpart C of Annex Vb (Part-ML);
  5. shall have acquired proven knowledge of the procedures of the maintenance organisation relevant to the airworthiness review and issue of the airworthiness review certificate;
  6. shall have been formally accepted by the <sup>[F67]</sup>CAA] after having performed an airworthiness review under the supervision of the <sup>[F67]</sup>CAA] or under the supervision of the organisation's airworthiness review staff in accordance with a procedure approved by the <sup>[F67]</sup>CAA];
  7. shall have performed at least one airworthiness review in the last twelve-month period.]]
- (j) <sup>x2</sup> ...

#### <sup>[F31]</sup>M.A.606 **Certifying staff and airworthiness review staff**

- (a) In addition to point M.A.606(g), certifying staff can only exercise their privileges, if the organisation has ensured:
1. <sup>[F12]</sup><sup>[X1]</sup>that certifying staff can demonstrate that they meet the requirements of point (b) of point 66.A.20 of Annex III (Part-66) or, where that Annex so requires, the requirements of <sup>[F68]</sup>any relevant enactment];]]
  2. that certifying staff have an adequate understanding of the relevant aircraft and/or aircraft component(s) to be maintained together with the associated organisation procedures.
- (b) In the following unforeseen cases, where an aircraft is grounded at a location other than the main base where no appropriate certifying staff is available, the maintenance organisation contracted to provide maintenance support may issue a one-off certification authorisation:
1. to one of its employees holding type qualifications on aircraft of similar technology, construction and systems; or

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2. to any person with not less than three years maintenance experience and holding a valid ICAO aircraft maintenance licence rated for the aircraft type requiring certification provided there is no organisation appropriately approved under this Part at that location and the contracted organisation obtains and holds on file evidence of the experience and the licence of that person.

[<sup>F31</sup>All such cases must be reported to the [<sup>F69</sup>CAA] within seven days after issuing such certification authorisation.] The approved maintenance organisation issuing the one-off certification authorisation shall ensure that any such maintenance that could affect flight safety is re-checked.

- (c) [<sup>F31</sup>The approved maintenance organisation shall record all details concerning certifying staff and airworthiness review staff and maintain a current list of all certifying staff and airworthiness review staff together with their scope of approval as part of the organisation's manual pursuant to point M.A.604(a)5.]

#### Textual Amendments

- F68** Word in Annex 1 point M.A.607(a)(1) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **251(3)(a)** (as substituted by S.I. 2020/1116, regs. 1(3), **20(b)**); 2020 c. 1, **Sch. 5 para. 1(1)**
- F69** Word in Annex 1 M.A.607(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **251(3)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.A.608 Components, equipment and tools

- (a) The organisation shall:
  1. hold the equipment and tools specified in the maintenance data described in point M.A.609 or verified equivalents as listed in the maintenance organisation manual as necessary for day-to-day maintenance within the scope of the approval; and,
  2. demonstrate that it has access to all other equipment and tools used only on an occasional basis.
- (b) Tools and equipment shall be controlled and calibrated to an officially recognised standard. Records of such calibrations and the standard used shall be kept by the organisation.
- (c) [<sup>F24</sup>The organisation shall inspect, classify and appropriately segregate all incoming components, standard parts and materials.]

#### [<sup>F12</sup>[<sup>X1</sup>M.A.609] **Maintenance data**

The approved maintenance organisation shall hold and use applicable current maintenance data specified in point M.A.401 of this Annex or in point ML.A.401 of Annex Vb (Part-ML), as applicable, in the performance of maintenance, including modifications and repairs. However, in the case of customer-provided maintenance data, the organisation shall only hold and use such data when the maintenance work is in progress.]]

#### M.A.610 Maintenance work orders



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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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Before the commencement of maintenance a written work order shall be agreed between the organisation and the organisation requesting maintenance to clearly establish the maintenance to be carried out.

### <sup>[F12]</sup><sup>[X1]</sup>M.A.611 **Maintenance standards**

All maintenance shall be carried out in accordance with the requirements of Subpart D, Section A of this Annex or with the requirements of Subpart D, Section A of Annex Vb (Part-ML), as set out in Article 3 paragraph 1.

#### M.A.612 Aircraft certificate of release to service

Upon completion of all required aircraft maintenance in accordance with this Subpart, an aircraft CRS shall be issued in accordance with point M.A.801 of this Annex or point ML.A.801 of Annex Vb (Part-ML), as set out in Article 3 paragraph 1.

#### M.A.613 Component certificate of release to service

- (a) Upon completion of all required component maintenance in accordance with this Subpart, a component CRS shall be issued in accordance with point M.A.802 of this Annex or with point ML.A.802 of Annex Vb (Part-ML), as applicable. An <sup>[F70]</sup>CAA Form 1] shall be issued, except for those components maintained in accordance with points (b) or (d) of point M.A.502, for components fabricated in accordance with point (c) of point M.A.603 of this Annex and for components in respect of which point ML.A.502 of Annex Vb (Part-ML) provides otherwise.
- (b) The component CRS document, <sup>[F70]</sup>CAA Form 1], may be generated from a computer system.]]

#### Textual Amendments

**F70** Words in Annex 1 point M.A.613 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 251(4) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### <sup>[F31]</sup>M.A.614 **Maintenance and airworthiness review records]**

- (a) <sup>[F14]</sup>The approved maintenance organisation shall record all details of work carried out. Records necessary to prove all requirements have been met for the issue of the certificate of release to service including the subcontractor's release documents and for the issue of any airworthiness review certificate shall be retained.
- (b) The approved maintenance organisation shall provide a copy of each CRS to the aircraft owner or operator, together with a copy of any detailed maintenance records associated with the work carried out and necessary to demonstrate compliance with point M.A.305 of this Annex (Part-M) or ML.A.305 of Annex Vb (Part-ML), as applicable.]
- (c) <sup>[F31]</sup>The approved maintenance organisation shall retain a copy of all maintenance records and any associated maintenance data for three years from the date the aircraft or aircraft component to which the work relates was released from the approved maintenance organisation. <sup>[F14]</sup>In addition, it shall retain a copy of all the records related to the issue of airworthiness review certificates for three years from the date of issue and shall provide a copy of them to the owner of the aircraft.]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

1. The records under this point shall be stored in a manner that ensures protection from damage, alteration, and theft.
2. All computer hardware used to ensure backup shall be stored in a different location from that containing the working data in an environment that ensures they remain in good condition.
3. Where an approved maintenance organisation terminates its operation, all retained maintenance records covering the last three years shall be distributed to the last owner or customer of the respective aircraft or component or shall be stored as specified by the [F71CAA].]

#### Textual Amendments

**F71** Word in [Annex 1 point M.A.614](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **251(5)** (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, [Sch. 5 para. 1\(1\)](#))

#### [F12][X1]M.A.615 Privileges of the organisation

The maintenance organisation approved in accordance with Subpart F, Section A of this Annex may:

- (a) maintain any aircraft and/or component for which it is approved at the locations specified in the approval certificate and the maintenance organisation manual;
- (b) arrange for the performance of specialised services under the control of the maintenance organisation at another organisation appropriately qualified, as described in the maintenance organisation manual;
- (c) maintain any aircraft or component for which it is approved at any location, where the need of such maintenance arises either from the unserviceability of the aircraft or from the necessity of supporting occasional maintenance and subject to compliance with the conditions specified in the maintenance organisation manual;
- (d) issue certificates of release to service, upon completion of maintenance, in accordance with point M.A.612 or M.A.613 of this Annex;
- (e) if specifically approved to do so for ELA1 aircraft not involved in commercial operations, perform airworthiness reviews and issue the corresponding airworthiness review certificate in accordance with the conditions specified in point ML.A.903 of Annex Vb (Part-ML).

The organisation shall only maintain an aircraft or component for which it is approved when all the necessary facilities, equipment, tooling, material, maintenance data and certifying staff are available.]]

#### M.A.616 Organisational review

To ensure that the approved maintenance organisation continues to meet the requirements of this Subpart, it shall organise, on a regular basis, organisational reviews.

#### M.A.617 Changes to the approved maintenance organisation

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

In order to enable the [F72CAA] to determine continued compliance with this Part, the approved maintenance organisation shall notify it of any proposal to carry out any of the following changes, before such changes take place:

#### Textual Amendments

**F72** Word in Annex 1 point M.A.617 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 251(5) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

1. the name of the organisation;
2. the location of the organisation;
3. additional locations of the organisation;
4. the accountable manager;
5. any of the persons specified in point M.A.606(b);
6. [F31the facilities, equipment, tools, material, procedures, work scope, certifying staff and airworthiness review staff that could affect the approval.]

In the case of proposed changes in personnel not known to the management beforehand, these changes shall be notified at the earliest opportunity.

#### M.A.618 Continued validity of approval

- (a) [F14An approval shall remain valid until 24 September 2021 , subject to:]
1. the organisation remaining in compliance with this Part, in accordance with the provisions related to the handling of findings as specified under point M.A.619, and;
  2. the [F73CAA] being granted access to the organisation to determine continued compliance with this Part, and;
  3. the approval not being surrendered or revoked;
- (b) Upon surrender or revocation, the approval certificate shall be returned to the [F74CAA]

#### Textual Amendments

**F73** Word in Annex 1 point M.A.618 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 251(5) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F74** Word in Annex 1 point M.A.618 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 251(5) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.A.619 Findings

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (a) [F12][X1] A level 1 finding is any finding of significant non-compliance with the requirements of this Annex and Annex Vb (Part-ML) which lowers the safety standard and seriously endangers flight safety.
- (b) A level 2 finding is any finding of non-compliance with the requirements of this Annex and Annex Vb (Part-ML) which may lower the safety standard and may endanger flight safety.]]
- (c) After receipt of notification of findings according to point M.B.605, the holder of the maintenance organisation approval shall define a corrective action plan and demonstrate corrective action to the satisfaction of the [F75CAA] within a period agreed with this authority.

#### Textual Amendments

**F75** Word in Annex 1 point M.A.619 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **251(5)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## SUBPART CONTINUING AIRWORTHINESS MANAGEMENT ORGANISATION

### M.A.701 Scope

This Subpart establishes the requirements to be met by an organisation to qualify for the issue or continuation of an approval for the management of aircraft continuing airworthiness.

### M.A.702 Application

An application for issue or change of a continuing airworthiness management organisation approval shall be made on a form and in a manner established by the [F76CAA].

#### Textual Amendments

**F76** Word in Annex 1 point M.A.702 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **252(2)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### M.A.703 Extent of approval

- (a) The approval is indicated on a certificate included in Appendix VI issued by the [F77CAA].
- (b) [F1]Notwithstanding point (a), for licenced air carriers in accordance with Regulation (EC) No 1008/2008, the approval shall be part of the air operator certificate issued by the [F77CAA], for the aircraft operated.]
- (c) The scope of work deemed to constitute the approval shall be specified in the continuing airworthiness management exposition in accordance with point M.A.704.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F77** Word in Annex 1 point M.A.703 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 252(2) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### M.A.704 Continuing airworthiness management exposition

- (a) The continuing airworthiness management organisation shall provide a continuing airworthiness management exposition containing the following information:
1. [F14a statement signed by the accountable manager confirming that the organisation will at all times work in accordance with this Annex (Part-M) and Annex Vb (Part-ML), as applicable;]
  2. the organisation's scope of work, and;
  3. the title(s) and name(s) of person(s) referred to in points M.A.706(a), M.A.706(c), M.A.706(d) and M.A.706(i), and;
  4. an organisation chart showing associated chains of responsibility between all the person(s) referred to in points M.A.706(a), M.A.706(c), M.A.706(d) and M.A.706(i), and;
  5. a list of the airworthiness staff referred to in point M.A.707, specifying, where applicable, the staff authorised to issue permits to fly in accordance with point M.A.711(c), and;
  6. a general description and location of the facilities, and;
  7. [F14the procedures specifying how the organisation ensures compliance with this Annex (Part-M) and Annex Vb (Part-ML), as applicable, and;]
  8. the continuing airworthiness management exposition amendment procedures, and;
  9. [F1the list of approved aircraft maintenance programmes, or, for aircraft not used by licenced air carriers in accordance with Regulation (EC) No 1008/2008, the list of 'generic' and 'baseline' maintenance programmes.]
- (b) The continuing airworthiness management exposition and its amendments shall be approved by the [F78CAA].
- (c) Notwithstanding point (b), minor amendments to the exposition may be approved indirectly through an indirect approval procedure. The indirect approval procedure shall define the minor amendment eligible, be established by the continuing airworthiness management organisation as part of the exposition and be approved by the [F79CAA].

### Textual Amendments

**F78** Word in Annex 1 point M.A.704(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 252(3)(a) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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**F79** Word in Annex 1 point M.A.704(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **252(3)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### M.A.705 Facilities

The continuing airworthiness management organisation shall provide suitable office accommodation at appropriate locations for the personnel specified in point M.A.706.

### M.A.706 Personnel requirements

- (a) <sup>[F14]</sup>The organisation shall appoint an accountable manager, who has corporate authority for ensuring that all continuing airworthiness management activities can be financed and carried out in accordance with this Annex (Part-M) and Annex Vb (Part-ML), as applicable.]
- (b) <sup>[F1]</sup>For licenced air carriers in accordance with Regulation (EC) No 1008/2008 the accountable manager referred to in point (a) shall be the person who also has corporate authority for ensuring that all the operations of the operator can be financed and carried out to the standard required for the issue of an air operator's certificate.]
- (c) <sup>[F14]</sup>A person or group of persons shall be nominated with the responsibility of ensuring that the organisation always complies with the applicable continuing airworthiness management, airworthiness review and permit to fly requirements of this Annex (Part-M) and Annex Vb (Part-ML). Such person(s) shall be ultimately responsible to the accountable manager.]
- (d) <sup>[F1]</sup>For licenced air carriers in accordance with Regulation (EC) No 1008/2008, the accountable manager shall designate a nominated post holder. This person shall be responsible for the management and supervision of continuing airworthiness activities, pursuant to point (c).]
- (e) The nominated post holder referred to in point (d) shall not be employed by a Part-145 approved organisation under contract to the operator, unless specifically agreed by the <sup>[F80]</sup>CAA].
- (f) The organisation shall have sufficient appropriately qualified staff for the expected work.
- (g) All point (c) and (d) persons shall be able to show relevant knowledge, background and appropriate experience related to aircraft continuing airworthiness.
- (h) The qualification of all personnel involved in continuing airworthiness management shall be recorded.
- (i) <sup>[F14]</sup>For organisations extending airworthiness review certificates in accordance with points M.A.711(a)(4) and M.A.901 of this Annex (Part-M) or point ML.A.901(c) of Annex Vb (Part-ML) as applicable, the organisation shall nominate persons authorised to do so, subject to approval by the <sup>[F80]</sup>CAA].]
- (j) The organisation shall define and keep updated in the continuing airworthiness management exposition the title(s) and name(s) of person(s) referred to in points M.A.706(a), M.A.706(c), M.A.706(d) and M.A.706(i).
- (k) <sup>[F1]</sup>For complex motor-powered aircraft and for aircraft used by licenced air carriers in accordance with Regulation (EC) No 1008/2008, the organisation shall establish

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and control the competence of personnel involved in the continuing airworthiness management, airworthiness review and/or quality audits in accordance with a procedure and to a standard agreed by the [<sup>F80</sup>CAA].]

#### Textual Amendments

**F80** Word in Annex 1 point M.A.706 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 252(4) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.A.707 Airworthiness review staff

- (a) [<sup>F1</sup>]<sup>F14</sup>To be approved to carry out airworthiness reviews and, if applicable, to issue permits to fly, an approved continuing airworthiness management organisation shall have appropriate airworthiness review staff to issue airworthiness review certificates or recommendations referred to in Section A, Subpart I of Annex I (Part-M) or in Section A, Subpart I of Annex Vb (Part-ML) and, if applicable, to issue a permit to fly in accordance with point M.A.711(c):]
1. For aircraft used by licenced air carriers in accordance with Regulation (EC) No 1008/2008, and aircraft above 2 730 kg MTOM, except balloons, these staff shall have acquired:
    - (a) at least 5 years' experience in continuing airworthiness, and;
    - (b) an appropriate license in compliance with Annex III (Part-66) or an aeronautical degree or a national equivalent, and;
    - (c) formal aeronautical maintenance training, and;
    - (d) a position within the approved organisation with appropriate responsibilities.
    - (e) Notwithstanding points (a) to (d), the requirement laid down in point M.A.707(a)1(b) may be replaced by 5 years of experience in continuing airworthiness additional to those already required by point M.A.707(a)1(a).
  2. For aircraft not used by licenced air carriers in accordance with Regulation (EC) No 1008/2008 of 2 730 kg MTOM and below, and balloons, these staff shall have acquired:
    - (a) at least 3 years' experience in continuing airworthiness, and;
    - (b) an appropriate license in compliance with Annex III (Part-66) or an aeronautical degree or a national equivalent, and;
    - (c) appropriate aeronautical maintenance training, and;
    - (d) a position within the approved organisation with appropriate responsibilities;
    - (e) Notwithstanding points (a) to (d), the requirement laid down in point M.A.707(a)2(b) may be replaced by 4 years of experience in continuing airworthiness additional to those already required by point M.A.707(a)2(a).]

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (b) [<sup>F31</sup>Airworthiness review staff nominated by the approved continuing airworthiness organisation can only be issued an authorisation by the approved continuing airworthiness organisation when formally accepted by the [<sup>F81</sup>CAA] after satisfactory completion of an airworthiness review under the supervision of the [<sup>F81</sup>CAA] or under the supervision of the organisation's airworthiness review staff in accordance with a procedure approved by the [<sup>F81</sup>CAA].]
- (c) The organisation shall ensure that aircraft airworthiness review staff can demonstrate appropriate recent continuing airworthiness management experience.
- (d) Airworthiness review staff shall be identified by listing each person in the continuing airworthiness management exposition together with their airworthiness review authorisation reference.
- (e) The organisation shall maintain a record of all airworthiness review staff, which shall include details of any appropriate qualification held together with a summary of relevant continuing airworthiness management experience and training and a copy of the authorisation. This record shall be retained until two years after the airworthiness review staff have left the organisation.

#### Textual Amendments

**F81** Word in Annex 1 point M.A.707(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 252(4) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.A.708 Continuing airworthiness management

- (a) [<sup>F14</sup>The organisation shall ensure that all continuing airworthiness management is carried out in accordance with Section A, Subpart C of this Annex (Part-M), and Section A, Subpart C of Annex Vb (Part-ML), as applicable.]
- (b) For every aircraft managed, the approved continuing airworthiness management organisation shall:
  1. [<sup>F14</sup>ensure that an aircraft maintenance programme including any applicable reliability programme, as required by point M.A.302 of this Annex (Part-M) or ML.A.302 of Annex Vb (Part-ML), as applicable, is developed and controlled,
  2. for aircraft not used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, provide a copy of the aircraft maintenance programme to the owner or operator responsible in accordance with point M.A.201 of this Annex (Part-M) or ML.A.201 of Annex Vb (Part-ML), as applicable,]
  3. manage the approval of modification and repairs,
  4. [<sup>F14</sup>ensure that all maintenance is carried out in accordance with the approved maintenance programme and released in accordance with Section A, Subpart H of this Annex (Part-M) or Section A, Subpart H of Annex Vb (Part-ML), as applicable,]
  5. ensure that all applicable airworthiness directives and operational directives with a continuing airworthiness impact, are applied,



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6. ensure that all defects discovered during scheduled maintenance or reported are corrected by an appropriately approved maintenance organisation,
  7. ensure that the aircraft is taken to an appropriately approved maintenance organisation whenever necessary,
  8. coordinate scheduled maintenance, the application of airworthiness directives, the replacement of service life limited parts, and component inspection to ensure the work is carried out properly,
  9. manage and archive all continuing airworthiness records and/or operator's technical log.
  10. ensure that the mass and balance statement reflects the current status of the aircraft.
- (c) <sup>[F14]</sup>In the case of complex motor-powered aircraft or aircraft used for CAT, or aircraft used for commercial specialised operations or commercial ATO or commercial DTO operations, when the CAMO is not appropriately approved in accordance with Annex II (Part-145) or Subpart F of this Annex (Part-M) or Annex Vd (Part-CAO), the organisation shall, in consultation with the operator, establish a written maintenance contract with an organisation approved in accordance with Annex II (Part-145) or Subpart F of this Annex (Part-M) or Annex Vd (Part-CAO) or with another operator, detailing the functions specified under points M.A.301(b), M.A.301(c), M.A.301(f) and M.A.301(g) of this Annex (Part-M), or points ML.A.301(b) to (e) of Annex Vb (Part-ML), ensuring that all maintenance is ultimately carried out by a maintenance organisation approved in accordance with Annex II (Part-145) or Subpart F of this Annex (Part-M) or Annex Vd (Part-CAO) and defining the support of the quality functions referred to in point M.A.712(b) of this Annex (Part-M).
- (d) Notwithstanding point (c), the contract may be in the form of individual work orders addressed to the maintenance organisation approved in accordance with Annex II (Part-145) or Subpart F of this Annex (Part-M) or Annex Vd (Part-CAO) in the case of:
1. an aircraft requiring unscheduled line maintenance;
  2. component maintenance, including engine maintenance.]

#### <sup>[F14]</sup>M.A.709 **Documentation**

- (a) The approved continuing airworthiness management organisation shall hold and use applicable current maintenance data in accordance with point M.A.401 of this Annex (Part-M) or point ML.A.401 of Annex Vb (Part-ML), as applicable, for the performance of continuing airworthiness tasks referred to in point M.A.708 of this Annex (Part-M). That data may be provided by the owner or the operator, subject to an appropriate contract being established with such an owner or operator. In such case, the continuing airworthiness management organisation only needs to keep such data for the duration of the contract, except when required by point M.A.714 of this Annex (Part-M).
- (b) For aircraft not used by licenced air carriers in accordance with Regulation (EC) No 1008/2008, the approved continuing airworthiness management organisation may develop 'baseline' or 'generic' maintenance programmes, or both, in order to allow for the initial approval or the extension of the scope of an approval, without having the contracts referred to in Appendix I to this Annex (Part M) or Appendix I to Annex Vb (Part-ML), as applicable. Those 'baseline' and 'generic' maintenance programmes

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however do not preclude the need to establish an adequate Aircraft Maintenance Programme in compliance with point M.A.302 of this Annex (Part-M) or ML.A.302 of Annex Vb (Part-ML), as applicable, in due time before exercising the privileges referred to in point M.A.711 of this Annex (Part-M).]

#### [<sup>F14</sup>M.A.711] **Airworthiness review**

When the organisation approved in accordance with point M.A.711(b) of this Annex (Part-M) performs airworthiness reviews, they shall be performed in accordance with point M.A.901 of this Annex (Part-M) or point ML.A.903 of Annex Vb (Part-ML), as applicable.]

#### M.A.711 **Privileges of the organisation**

- (a) A continuing airworthiness management organisation approved in accordance with Section A, Subpart G of this Annex (Part-M) may:
1. [<sup>F1</sup>manage the continuing airworthiness of aircraft, except those used by licenced air carriers in accordance with Regulation (EC) No 1008/2008, as listed on the approval certificate;
  2. manage the continuing airworthiness of aircraft used by licenced air carriers in accordance with Regulation (EC) No 1008/2008, when listed both on its approval certificate and on its Air Operator Certificate (AOC);]
  3. arrange to carry out limited continuing airworthiness tasks with any contracted organisation, working under its quality system, as listed on the approval certificate;
  4. [<sup>F14</sup>extend, under the conditions set out in point M.A.901(f) of this Annex (Part-M) or ML.A.901(c) of Annex Vb (Part-ML), as applicable, an airworthiness review certificate that has been issued by the [<sup>F82</sup>CAA] or by another organisation or person, as applicable;]
  5. [<sup>F83</sup>approve the AMP, in accordance with point (b)(2) of point ML.A.302, for aircraft managed in accordance with Annex Vb (Part-ML).]
- (b) An approved continuing airworthiness management organisation <sup>F84</sup>... may, additionally, be approved to carry out airworthiness reviews referred to in point M.A.710 and:
1. [<sup>F14</sup>issue the related airworthiness review certificate and extend it in due time under the conditions set out in points M.A.901(c)(2) or M.A.901(e)(2) of this Annex (Part-M) or point ML.A.901(c) of Annex Vb (Part-ML), as applicable; and,]
  2. issue a recommendation for the airworthiness review to the [<sup>F85</sup>CAA].
- (c) A continuing airworthiness management organisation whose approval includes the privileges referred to in point M.A.711(b) may additionally be approved to issue a permit to fly in accordance with point 21.A.711(d) of Annex I (Part-21) to Regulation (EU) No 748/2012 for the particular aircraft for which the organisation is approved to issue the airworthiness review certificate, when the continuing airworthiness management organisation is attesting conformity with approved flight conditions, subject to an adequate approved procedure in the exposition referred to in point M.A.704.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

- F82** Word in Annex 1 point M.A.711(a)(4) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **252(6)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F83** Inserted by [Commission Implementing Regulation \(EU\) 2020/270 of 25 February 2020 amending Regulation \(EU\) No 1321/2014 as regards transitional measures for organisations involved in the continuing airworthiness for general aviation and continuing airworthiness management and correcting that Regulation \(Text with EEA relevance\)](#).
- F84** Words in Annex 1 point M.A.711(b) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **252(6)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F85** Word in Annex 1 point M.A.711(b)(2) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **252(6)(b)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### M.A.712 Quality system

- (a) To ensure that the approved continuing airworthiness management organisation continues to meet the requirements of this Subpart, it shall establish a quality system and designate a quality manager to monitor compliance with, and the adequacy of, procedures required to ensure airworthy aircraft. Compliance monitoring shall include a feedback system to the accountable manager to ensure corrective action as necessary.
- (b) The quality system shall monitor activities carried out under Section A, Subpart G of this Annex (Part M). It shall at least include the following functions:
1. monitoring that all activities carried out under Section A, Subpart G of this Annex (Part M) are being performed in accordance with the approved procedures, and;
  2. monitoring that all contracted maintenance is carried out in accordance with the contract, and;
  3. monitoring the continued compliance with the requirements of this Part.
- (c) The records of these activities shall be stored for at least two years.
- (d) Where the approved continuing airworthiness management organisation is approved in accordance with another Part, the quality system may be combined with that required by the other Part.
- (e) <sup>[F1]</sup>For licenced air carriers in accordance with Regulation (EC) No 1008/2008 the M.A. Subpart G quality system shall be an integrated part of the operator's quality system.
- (f) In the case of a small organisation not managing the continuing airworthiness of aircraft used by licenced air carriers in accordance with Regulation (EC) No 1008/2008, the quality system may be replaced by regular organisational reviews subject to the approval of the <sup>[F86]</sup>CAA], except when the organisation issues airworthiness review certificates for aircraft above 2 730 kg MTOM other than balloons. In the case where there is no quality system, the organisation shall not contract continuing airworthiness management tasks to other parties.]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F86** Word in Annex 1 point M.A.712(f) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 252(7) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### M.A.713 Changes to the approved continuing airworthiness organisation

In order to enable the [F87CAA] to determine continued compliance with this Part, the approved continuing airworthiness management organisation shall notify it of any proposal to carry out any of the following changes, before such changes take place:

#### Textual Amendments

**F87** Word in Annex 1 point M.A.713 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 252(7) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

1. the name of the organisation.
2. the location of the organisation.
3. additional locations of the organisation.
4. the accountable manager.
5. any of the persons specified in M.A.706(c).
6. the facilities, procedures, work scope and staff that could affect the approval.

In the case of proposed changes in personnel not known to the management beforehand, these changes shall be notified at the earliest opportunity.

### M.A.714 Record-keeping

- (a) [F14The continuing airworthiness management organisation shall record all details of work carried out. The records required under point M.A.305 of this Annex (Part-M) or ML.A.305 of Annex Vb (Part-ML), as applicable, and if applicable point M.A.306 of this Annex (Part-M), shall be retained.]
- (b) If the continuing airworthiness management organisation has the privilege referred to in point M.A.711(b), it shall retain a copy of each airworthiness review certificate and recommendation issued or, as applicable, extended, together with all supporting documents. In addition, the organisation shall retain a copy of any airworthiness review certificate that it has extended under the privilege referred to in point M.A.711(a)4.
- (c) If the continuing airworthiness management organisation has the privilege referred to in point M.A.711(c), it shall retain a copy of each permit to fly issued in accordance with the provisions of point 21A.729 of Annex I (Part-21) to Regulation (EU) No 748/2012.
- (d) The continuing airworthiness management organisation shall retain a copy of all records referred to in points (b) and (c) until two years after the aircraft has been permanently withdrawn from service.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (e) The records shall be stored in a manner that ensures protection from damage, alteration and theft.
- (f) All computer hardware used to ensure backup shall be stored in a different location from that containing the working data in an environment that ensures they remain in good condition.
- (g) Where continuing airworthiness management of an aircraft is transferred to another organisation or person, all retained records shall be transferred to the said organisation or person. The time periods prescribed for the retention of records shall continue to apply to the said organisation or person.
- (h) Where a continuing airworthiness management organisation terminates its operation, all retained records shall be transferred to the owner of the aircraft.

#### M.A.715 Continued validity of approval

- (a) <sup>F14</sup>An approval shall remain valid until 24 September 2021 , subject to:
  - 1. the organisation remaining in compliance with this Part, in accordance with the provisions related to the handling of findings as specified under point M.B.705 and;
  - 2. the <sup>F88</sup>CAA] being granted access to the organisation to determine continued compliance with this Part, and;
  - 3. the approval not being surrendered or revoked.
- (b) Upon surrender or revocation, the approval certificate shall be returned to the <sup>F88</sup>CAA].

#### Textual Amendments

**F88** Word in Annex 1 point M.A.715 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 252(7) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.A.716 Findings

- (a) <sup>F14</sup>A level 1 finding is any significant non-compliance with the requirements of this Annex (Part-M) or Annex Vb (Part-ML), as applicable, which lowers the safety standard and hazards seriously the flight safety;
- (b) A level 2 finding is any non-compliance with the requirements of this Annex (Part-M) or Annex Vb (Part-ML), as applicable, which could lower the safety standard and possibly hazard the flight safety;]
- (c) After receipt of notification of findings according to point M.B.705, the holder of the continuing airworthiness management organisation approval shall define a corrective action plan and demonstrate corrective action to the satisfaction of the <sup>F89</sup>CAA] within a period agreed with this authority.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F89** Word in Annex 1 point M.A.716 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **252(7)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## SUBPART CERTIFICATE OF RELEASE TO SERVICE — CRS

H

### [<sup>F12</sup>[<sup>X1</sup>M.A.801] Aircraft certificate of release to service

- (a) Except for aircraft released to service by a maintenance organisation approved in accordance with Annex II (Part-145), the CRS shall be issued in accordance with this Subpart.
- (b) No aircraft shall be released to service unless a CRS is issued when all maintenance tasks ordered have been properly carried out. The CRS shall be issued by an authorised certifying staff of the maintenance organisation approved in accordance with Subpart F of this Annex or with Annex Vd (Part-CAO), except for maintenance tasks other than complex maintenance tasks listed in Appendix VII to this Annex where the CRS is issued, alternatively by:
  1. independent certifying staff acting in accordance with the requirements laid down in Article 5 of this Regulation;
  2. the pilot-owner acting in accordance with point M.A.803 of this Annex.
- (c) By derogation from point (b), in case of unforeseen situations, when an aircraft is grounded at a location where no maintenance organisation approved in accordance with this Annex, Annex II (Part-145) or Annex Vd (Part-CAO) and no independent certifying staff are available, the owner may authorise any person, with no less than 3 years of appropriate maintenance experience and holding either a valid ICAO Annex 1 compliant maintenance license for the aircraft type requiring certification or a certifying staff authorisation valid for the work requiring certification issued by an ICAO Annex 6 approved maintenance organisation to maintain the aircraft in accordance with the standards set out in Subpart D of this Annex and release it to service. In that case, the owner shall:
  1. obtain and keep in the aircraft records specifying details of the maintenance carried out and of the qualifications of the person issuing the CRS;
  2. ensure that any such maintenance is later on verified and a new CRS is issued by an appropriately authorised person referred to in point (b) or an organisation approved in accordance with Subpart F of this Annex, Annex II (Part-145) or Annex Vd (Part-CAO), at the earliest opportunity and in any case within 7 calendar days from the issuance of a CRS by the person authorised by the owner;
  3. notify the organisation responsible for the continuing airworthiness management of the aircraft, when contracted, or the [<sup>F90</sup>CAA] in the absence of such a contract, within 7 days from the issuance of such authorisation.
- (d) In case of a release to service in accordance with point (b)(2), the certifying staff may be assisted in performing the maintenance tasks by one or more persons subject to his or her direct and continuous control.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (e) A CRS shall contain at least:
1. basic details of the maintenance carried out;
  2. the date on which the maintenance was completed;
  3. the identity of the organisation or person issuing the CRS, including, alternatively:
    - (i) the approval reference of the maintenance organisation and the certifying staff issuing the CRS;
    - (ii) in the case referred to in point (b)(2), the identity and, where applicable, the licence number of the certifying staff issuing the CRS;
  4. the limitations to airworthiness or operations, if any.
- (f) By derogation from point (b) and notwithstanding point (g), when the required maintenance cannot be completed, a CRS may be issued with the approved aircraft limitations. In that case, the certificate shall indicate that the maintenance could not be completed, as well as indicate any applicable airworthiness or operations limitations, as part of the information required by point (e)(4).
- (g) A CRS shall not be issued in the case of any known non-compliance which endangers flight safety.]]

#### Textual Amendments

**F90** Word in Annex 1 point M.A.801(c)(3) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **253(2)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12 and [S.I. 2020/1116](#), regs. 1(3), **21**); 2020 c. 1, Sch. 5 para. 1(1)

#### <sup>F12</sup><sup>X1</sup> ~~M.A.802~~ **Component certificate to release to service**

- (a) <sup>F14</sup>Except for component released to service by a maintenance organisation approved in accordance with Annex II (Part-145), a CRS shall be issued at the completion of any maintenance carried out on an aircraft component in accordance with point M.A.502 of this Annex (Part-M).]
- (b) The authorised release certificate identified as <sup>F91</sup>CAA Form 1] constitutes the component CRS, except when such maintenance on aircraft components has been performed in accordance with point (b) or (d) of point M.A.502 in which case the maintenance is subject to aircraft release procedures in accordance with point M.A.801.]]

#### Textual Amendments

**F91** Words in Annex 1 point M.A.802(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **253(3)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.A.803 **Pilot-owner authorisation**

- (a) To qualify as a Pilot-owner, the person must:

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

1. hold a valid pilot licence (or equivalent) issued or validated by [<sup>F92</sup>the CAA] for the aircraft type or class rating; and
  2. own the aircraft, either as sole or joint owner; that owner must be:
    - (i) one of the natural persons on the registration form; or
    - (ii) a member of a non-profit recreational legal entity, where the legal entity is specified on the registration document as owner or operator, and that member is directly involved in the decision making process of the legal entity and designated by that legal entity to carry out Pilot-owner maintenance.
- (b) [<sup>F12</sup>For any other than complex motor-powered aircraft of 2 730 kg MTOM and below, which are not used in CAT operations, in commercial specialised operations or in commercial operations by ATOs or DTOs, the pilot-owner may issue a CRS after having carried out limited pilot-owner maintenance as specified in Appendix VIII to this Annex.]]
- (c) The scope of the limited Pilot-owner maintenance shall be specified in the aircraft maintenance programme referred to in point M.A.302.
- (d) [<sup>F12</sup>The CRS shall be entered in the aircraft continuing airworthiness record system and contain basic details of the maintenance carried out, the maintenance data used, the date on which that maintenance was completed, as well as the identity, the signature and pilot licence number of the pilot-owner issuing such a certificate.]]

#### Textual Amendments

**F92** Words in Annex 1 point M.A.803(a)(1) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **253(4)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### SUBPART AIRWORTHINESS REVIEW CERTIFICATE

I

#### [<sup>F12</sup>M.A.301] Aircraft airworthiness review

To ensure the validity of the aircraft airworthiness certificate, an airworthiness review of the aircraft and its continuing airworthiness records shall be carried out periodically.

- (a) An airworthiness review certificate is issued in accordance with Appendix III ([<sup>F93</sup>CAA Form 15a] or 15b) to this Annex upon completion of a satisfactory airworthiness review. The airworthiness review certificate shall be valid for 1 year;
- (b) An aircraft in a controlled environment is an aircraft which, during the preceding 12 months:
  1. has had its airworthiness continuously managed by a unique CAMO or CAO;
  2. has been maintained by a maintenance organisation approved in accordance with Subpart F of this Annex, Annex II (Part-145) or Annex Vd (Part-CAO), including the cases when maintenance tasks referred to in point (b) of point



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M.A.803 are carried out and released to service in accordance with point (b) (1) or (b)(2) of point M.A.801 of this Annex.

- (c) <sup>F14</sup>For all aircraft used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, and for aircraft above 2 730 kg MTOM that are in a controlled environment, the organisation referred to in point (b)(1) managing the continuing airworthiness of the aircraft may in accordance with CAMO.A.125(e) of Annex Vc or point M.A.711(b) of this Annex or point CAO.A.095(c)(1) of Annex Vd, as applicable, and subject to compliance with point (j):]
1. issue an airworthiness review certificate in accordance with point M.A.901;
  2. extend at most twice the validity of the airworthiness review certificate it has issued, for a period of 1 year each time, where the aircraft concerned has remained within a controlled environment.
- (d) The airworthiness review certificate shall be issued by the <sup>F94</sup>CAA] upon a satisfactory assessment based on a recommendation made by a CAMO or CAO, sent together with the application from the owner or operator for all aircraft used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, and for aircraft above 2 730 kg MTOM that complies with the following alternative conditions:
1. they are not in a controlled environment;
  2. their continuing airworthiness is managed by an organisation that does not hold the privilege to carry out airworthiness reviews.
- The recommendation referred to in the first subparagraph shall be based on an airworthiness review carried out in accordance with point M.A.901.
- (e) <sup>F14</sup>For aircraft not used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, and for aircraft of 2 730 kg MTOM and below, any CAMO or CAO chosen by the owner or operator may in accordance with CAMO.A.125(e) of Annex Vc or point M.A.711(b) of this Annex or CAO.A.095(c) of Annex Vd, as applicable, and subject to compliance with point (j):]
1. issue the airworthiness review certificate in accordance with point M.A.901;
  2. extend at most twice the validity of the airworthiness review certificate it has issued, for a period of 1 year each time, where the aircraft has remained within a controlled environment under its management.
- (f) By derogation from points (c)(2) and (e)(2) of point M.A.901, for aircraft that are in a controlled environment, the organisation referred to in point (b)(1) managing the continuing airworthiness of the aircraft, may, subject to compliance with point (j), extend at most twice the validity of an airworthiness review certificate that the <sup>F95</sup>CAA] or another CAMO or CAO has issued, for a period of 1 year each time.
- (g) Whenever circumstances reveal the existence of a potential risk to aviation safety, the <sup>F95</sup>CAA] shall carry out the airworthiness review and issue the airworthiness review certificate itself.
- (h) Without prejudice to point (g), the <sup>F95</sup>CAA] may carry out the airworthiness review and issue the airworthiness review certificate itself in the following cases:
1. when the continuing airworthiness of the aircraft is managed by a CAMO or CAO which has its principal place of business located in a third country;

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2. for any other aircraft of 2 730 kg MTOM and below, if the owner so requests.
- (i) Where the [F95CAA] issues the airworthiness review certificate itself in accordance with points (g) or (h) or after assessing the recommendation in accordance with point M.B.901, the owner or operator of the aircraft shall, where necessary for those purposes, provide the [F95CAA] with:
1. any documentation required by the [F95CAA];
  2. suitable accommodation at the appropriate location for its personnel;
  3. the support of the certifying staff.
- (j) An airworthiness review certificate shall not be issued, nor extended if there is evidence or indications that the aircraft is not airworthy.
- (k) The airworthiness review of the aircraft shall include a full documented review of the aircraft records establishing that the following requirements have been met:
1. airframe, engine and propeller flying hours and associated flight cycles have been properly recorded;
  2. the flight manual is applicable to the aircraft configuration and reflects the latest revision status;
  3. all the maintenance due on the aircraft pursuant to the approved AMP has been carried out;
  4. all known defects have been corrected or, when applicable, carried forward in a controlled manner in accordance with M.A.403;
  5. all applicable ADs have been applied and properly registered;
  6. all modifications and repairs applied to the aircraft have been registered and are in compliance with point M.A.304;
  7. all life-limited parts and time-controlled components installed on the aircraft are properly identified, registered and have not exceeded their limitation;
  8. all maintenance has been carried out in accordance with this Annex;
  9. the current mass and balance statement reflects the current configuration of the aircraft and is valid;
  10. the aircraft complies with the latest revision of its type design approved by the [F96CAA];
  11. if required, the aircraft holds a noise certificate corresponding to the current configuration of the aircraft in compliance with Subpart I of Annex I (Part-21) to Regulation (EU) No 748/2012.
- (l) The airworthiness review of the aircraft shall include a physical survey of the aircraft. For that survey, airworthiness review staff not appropriately qualified in accordance with Annex III (Part-66) shall be assisted by such qualified staff.
- (m) Through the physical survey of the aircraft, the airworthiness review staff shall ensure that:

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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1. all required markings and placards are properly installed;
  2. the aircraft complies with its approved flight manual;
  3. the aircraft configuration complies with the approved documentation;
  4. no evident defect can be found that has not been addressed in accordance with point M.A.403;
  5. no inconsistencies can be found between the aircraft and the documented review of records referred to in point (k).
- (n) By derogation from point (a), the airworthiness review may be anticipated by a maximum period of 90 days without loss of continuity of the airworthiness review pattern, so as to allow for the physical review to take place during a maintenance check.
- (o) The airworthiness review certificate [<sup>F97</sup>(CAA Form 15b)] or the recommendation for the issue of the airworthiness review certificate [<sup>F98</sup>(CAA Form 15a)] referred to in Appendix III to this Annex can only be issued:
1. by authorised airworthiness review staff on behalf of the approved organisation;
  2. if the airworthiness review has been completely carried out.
- (p) <sup>F99</sup> ...
- (q) Airworthiness review tasks shall not be subcontracted.
- (r) Should the outcome of the airworthiness review be inconclusive, the organisation having carried out the review shall inform the [<sup>F100</sup>CAA] as soon as possible and in any case within 72 hours from the moment the organisation identifies the reason for which the airworthiness review is inconclusive.
- (s) The airworthiness review certificate shall not be issued until all findings have been closed.]]

#### Textual Amendments

- F93** Words in Annex 1 point M.A.901(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(2)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F94** Word in Annex 1 point M.A.901(d) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(2)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F95** Word in Annex 1 point M.A.901(f) to (i) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(2)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **22(a)(i)**); 2020 c. 1, Sch. 5 para. 1(1)
- F96** Word in Annex 1 point M.A.901(k)(10) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **73(5)(a)(i)**
- F97** Words in Annex 1 point M.A.901(o) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **73(5)(a)(ii)(aa)**
- F98** Words in Annex 1 point M.A.901(o) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **73(5)(a)(ii)(bb)**

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

**F99** Annex 1 point M.A.901(p) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **73(5)(a)(iii)**

**F100** Word in Annex 1 point M.A.901(r) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **73(5)(a)(iv)**

#### M.A.902 Validity of the airworthiness review certificate

- (a) An airworthiness review certificate becomes invalid if:
1. suspended or revoked; or
  2. the airworthiness certificate is suspended or revoked; or
  3. [<sup>F101</sup>the aircraft is not on the United Kingdom aircraft register; or]
  4. the type certificate under which the airworthiness certificate was issued is suspended or revoked.
- (b) An aircraft must not fly if the airworthiness certificate is invalid or if:
1. the continuing airworthiness of the aircraft or any component fitted to the aircraft does not meet the requirements of this Part; or
  2. the aircraft does not remain in conformity with the type design approved by the [<sup>F102</sup>CAA]; or
  3. the aircraft has been operated beyond the limitations of the approved flight manual or the airworthiness certificate, without appropriate action being taken; or
  4. the aircraft has been involved in an accident or incident that affects the airworthiness of the aircraft, without subsequent appropriate action to restore airworthiness; or
  5. [<sup>F12</sup>[<sup>X1</sup>a modification or repair is not in compliance with point M.A.304.]]
- (c) Upon surrender or revocation, the airworthiness review certificate shall be returned to the [<sup>F103</sup>CAA]

#### Textual Amendments

**F101** Words in Annex 1 point M.A.902(a)(3) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F102** Word in Annex 1 point M.A.902(b)(2) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(3)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F103** Word in Annex 1 point M.A.902(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(3)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.A.903 Transfer of aircraft registration within the EU

**F104** ...

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F104** Annex 1 point M.A.903 omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(4)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### [<sup>F12</sup>[<sup>X1</sup>M.A.904] **airworthiness review of aircraft imported into the [<sup>F105</sup>United Kingdom]**

- (a) When importing an aircraft onto [<sup>F106</sup>the United Kingdom] register from a third country or from a regulatory system where Regulation (EU) 2018/1139 does not apply, the applicant shall:
1. apply to the [<sup>F107</sup>CAA] for the issuance of a new airworthiness certificate in accordance with Annex I (Part-21) to Regulation (EU) No 748/2012;
  2. for aircraft other than new, have an airworthiness review carried out in accordance with point M.A.901;
  3. have all maintenance carried out to comply with the AMP approved in accordance with point M.A.302.
- (b) When satisfied that the aircraft is in compliance with the relevant requirements, the organisation performing the airworthiness review, shall send a documented recommendation for the issuance of an airworthiness review certificate to the [<sup>F108</sup>CAA].
- (c) The owner of the aircraft shall allow access to the aircraft for inspection by the [<sup>F109</sup>CAA].
- (d) The [<sup>F110</sup>CAA] shall issue an airworthiness certificate when it is satisfied that the aircraft complies with the requirements of Annex I (Part-21) to Regulation (EU) No 748/2012.
- (e) [<sup>F111</sup>The CAA] shall also issue the airworthiness review certificate. The certificate shall be valid for 1 year, unless the [<sup>F112</sup>CAA] decides to reduce the period of validity for reasons of aviation safety.]]

### Textual Amendments

**F106** Words in Annex 1 point M.A.904(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(5)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F107** Words in Annex 1 point M.A.904(a)(1) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(5)(b)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **22(b)(i)**); 2020 c. 1, Sch. 5 para. 1(1)

**F108** Words in Annex 1 point M.A.904(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(5)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **22(b)(i)**); 2020 c. 1, Sch. 5 para. 1(1)

**F109** Words in Annex 1 point M.A.904(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(5)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **22(b)(i)**); 2020 c. 1, Sch. 5 para. 1(1)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- F110** Word in Annex 1 point M.A.904(d) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(5)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **22(b)(i)**); 2020 c. 1, Sch. 5 para. 1(1)
- F111** Words in Annex 1 point M.A.904(e) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **73(5)(b)(i)**
- F112** Word in Annex 1 point M.A.904(e) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **73(5)(b)(ii)**

#### Textual Amendments

- F105** Words in Annex 1 point M.A.904 heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(5)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.A.905 Findings

- (a) <sup>[F12]</sup><sup>[X1]</sup>A level 1 finding is any finding of significant non-compliance with the requirements of this Annex, which lowers the safety standard and seriously endangers flight safety.
- (b) A level 2 finding is any finding of non-compliance with the requirements of this Annex, which may lower the safety standard and may endanger the flight safety.]]
- (c) After receipt of notification of findings according to point M.B.903, the person or organisation accountable referred to in point M.A.201 shall define a corrective action plan and demonstrate corrective action to the satisfaction of the <sup>[F113]</sup>CAA] within a period agreed with this authority including appropriate corrective action to prevent reoccurrence of the finding and its root cause.

#### Textual Amendments

- F113** Word in Annex 1 point M.A.905(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **254(6)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### SECTION B

#### PROCEDURE FOR <sup>[F114]</sup>THE CAA]

##### SUBPART GENERAL

##### A

##### M.B.101 Scope

This Section establishes the administrative requirements to be followed by the <sup>[F115]</sup>CAA].

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F115** Word in Annex 1 point M.B.101 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **256(2)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### M.B.102 <sup>[F116]</sup>CAA]

#### (a) General

<sup>[F117]</sup>The CAA] shall establish documented procedures and an organisational structure <sup>[F118]</sup>for the application and enforcement of Section A of this Part].

### Textual Amendments

**F117** Words in Annex 1 point M.B.102(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **256(3)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F118** Words in Annex 1 point M.B.102(a) inserted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **256(3)(b)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### (b) Resources

The number of staff shall be appropriate to carry out the requirements as detailed in this Section.

#### (c) Qualification and training

All staff involved in activities dealt with in this Annex shall be appropriately qualified and have appropriate knowledge, experience, initial training and continuation training to perform their allocated tasks.

#### (d) Procedures

The <sup>[F119]</sup>CAA] shall establish procedures detailing how compliance with this Annex (Part-M) is accomplished.

### Textual Amendments

**F119** Word in Annex 1 point M.B.102(d) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **256(3)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

The procedures shall be reviewed and amended to ensure continued compliance.

### Textual Amendments

**F116** Word in Annex 1 point M.B.102 heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **256(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### <sup>[F120]</sup><sup>[X3]</sup>M.B.103 Bindings and enforcement measures — persons

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

If, during oversight or by any other means, evidence is found by the [F121CAA] in accordance with this Annex that shows a non-compliance with the applicable requirements of Regulation (EU) 2018/1139 by a person holding a licence, certificate, rating or attestation issued in accordance with Regulation (EU) 2018/1139, the [F122CAA] shall take any enforcement measures necessary to prevent the continuation of that non-compliance.]]

#### Textual Amendments

**F121** Word in Annex 1 point M.B.103 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 73(6)(a)

**F122** Word in Annex 1 point M.B.103 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 73(6)(b)

#### Editorial Information

**X3** Inserted by Corrigendum to Commission Implementing Regulation (EU) 2019/1383 of 8 July 2019 amending and correcting Regulation (EU) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management (Official Journal of the European Union L 228 of 4 September 2019).

#### Textual Amendments

**F120** Inserted by Commission Implementing Regulation (EU) 2019/1383 of 8 July 2019 amending and correcting Regulation (EU) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management (Text with EEA relevance).

#### [F12[X1M.B.103] Record-keeping

- (a) The [F123CAA] shall establish a system of record-keeping that allows adequate traceability of the process to issue, continue, change, suspend or revoke each certificate.
- (b) The records for the oversight of organisations approved in accordance with this Annex shall include as a minimum:
1. the application for an organisation approval;
  2. the organisation approval certificate including any changes;
  3. a copy of the audit programme listing the dates when audits are due and when audits were carried out;
  4. the [F124CAA] continued oversight records including all audit records;
  5. copies of all relevant correspondence;
  6. details of any exemption and enforcement actions;
  7. F125 ...
  8. organisation exposition or manual and amendments;
  9. copy of any other document directly approved by the [F126CAA].



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (c) The retention period for the point (b) records shall be at least 5 years.
- (d) The minimum records for the oversight of each aircraft shall include, at least, a copy of:
1. the aircraft certificate of airworthiness;
  2. airworthiness review certificates;
  3. [F14]airworthiness review recommendations issued by CAO or CAMO;]
  4. the reports from the airworthiness reviews carried out directly by the [F127CAA];
  5. all relevant correspondence relating to the aircraft;
  6. the details of any exemption and enforcement action(s);
  7. any document approved by the [F128CAA] pursuant to this Annex or Annex II to Regulation (EU) No 965/2012 (Part-ARO).
- (e) The records specified in point (d) shall be retained until 2 years after the aircraft has been permanently withdrawn from service.
- (f) F129 ...]]

#### Textual Amendments

- F123** Word in Annex 1 point M.B.104(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **256(4)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F124** Word in Annex 1 point M.B.104(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **256(4)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F125** Words in Annex 1 point M.B.104(b)(7) omitted (31.12.2020) by virtue of S.I. 2019/645, **reg. 256(4)(b)(ii)** (as substituted by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(3), **23(a)**)
- F126** Word in Annex 1 point M.B.104(b)(9) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **256(4)(b)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F127** Word in Annex 1 point M.B.104(d)(4) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **256(4)(c)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), **23(b)**); 2020 c. 1, Sch. 5 para. 1(1)
- F128** Word in Annex 1 point M.B.104(d)(7) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **256(4)(c)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F129** Annex 1 point M.B.104(f) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **256(4)(d)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.B.105 Mutual exchange of information

F130 ...

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F130** Annex 1 point M.B.105 omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **256(5)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### SUBPART ~~ACCOUNTABILITY~~

B

#### [<sup>F12</sup>[<sup>X1</sup>M.B.200] Responsibilities

[<sup>F131</sup>The CAA is] responsible for conducting audits, inspections and investigations in order to verify that the requirements of this Annex are complied with.]]

#### Textual Amendments

**F131** Words in Annex 1 point M.B.201 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **257** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### M.B.202 Information to the Agency

<sup>F132</sup> ...

#### Textual Amendments

**F132** Annex 1 point M.B.202 omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **73(7)**

### SUBPART ~~CONTINUING AIRWORTHINESS~~

C

#### [<sup>F12</sup>[<sup>X1</sup>M.B.300] Aircraft maintenance programme

- (a) The [<sup>F133</sup>CAA] shall verify that the AMP is in compliance with point M.A.302.
- (b) Unless stated otherwise in point (c) of point M.A.302, the AMP and its amendments shall be approved directly by the [<sup>F133</sup>CAA]. The [<sup>F133</sup>CAA] shall have access to all the data required by points (d), (e) and (f) of point M.A.302.
- (c) [<sup>F14</sup>In the case of indirect approval as provided for in point M.A.302(c), the [<sup>F133</sup>CAA] shall approve the AMP approval procedure of the CAO or CAMO through that organisation's exposition referred to in point CAO.A.025 of Annex Vd, point M.A.704 of this Annex, or point CAMO.A.300 of Annex Vc, as applicable.]]]

#### Textual Amendments

**F133** Word in Annex 1 s. B substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **258** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### [<sup>F14</sup>M.B.302] Exemptions

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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All exemptions granted in accordance with Article 71 of Regulation (EU) 2018/1139 shall be recorded and retained by the [F<sup>133</sup>CAA].]

### [F<sup>1</sup>M.B.303] **Aircraft continuing airworthiness monitoring**

- (a) The [F<sup>133</sup>CAA] shall develop a survey programme on a risk-based approach to monitor the airworthiness status of the fleet of aircraft on its register.
- (b) The survey programme shall include sample product surveys of aircraft and shall cover all aspects of airworthiness key risk elements.
- (c) The product survey shall sample the airworthiness standards achieved, on the basis of the applicable requirements, and identify any findings.
- (d) Any findings identified shall be categorised against the requirements of this Part and confirmed in writing to the person or organisation accountable according to M.A.201. The [F<sup>133</sup>CAA] shall have a process in place to analyse findings for their safety significance.
- (e) The [F<sup>133</sup>CAA] shall record all findings and closure actions.
- (f) If during aircraft surveys evidence is found showing non-compliance with this Part or with any other Part, the finding shall be dealt with as prescribed by the relevant Part.
- (g) If so required to ensure appropriate enforcement action, the [F<sup>133</sup>CAA] shall exchange information on non-compliances identified in accordance with point (f) with other competent authorities.

### M.B.304 **Revocation and suspension**

The [F<sup>133</sup>CAA] shall:

- (a) suspend an airworthiness review certificate on reasonable grounds in the case of potential safety threat, or;
- (b) suspend or revoke an airworthiness review certificate pursuant to M.B.903(1).]

### [F<sup>120</sup>[X<sup>3</sup>M.B.305] **Aircraft technical log system**

- (a) The [F<sup>133</sup>CAA] shall approve the initial aircraft technical log system required by point M.A.306.
- (b) [F<sup>14</sup>To enable the organisation to implement changes to the aircraft technical log system without prior [F<sup>133</sup>CAA] approval, the [F<sup>133</sup>CAA] shall approve the relevant procedure referred to in point CAMO.A.300(c) of Annex Vc, or point M.A.704(c) of this Annex or point CAO.A.025(c) of Annex Vd.]]]

## SUBPART **MAINTENANCE STANDARDS**

D

(to be developed as appropriate)

## SUBPART **COMPONENTS**

E

(to be developed as appropriate)

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## SUBPART MAINTENANCE ORGANISATION

### F

#### M.B.601 Application

F134 ...

##### Textual Amendments

**F134** Annex 1 point M.B.601 omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **259(2)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.B.602 Initial Approval

- (a) Provided the requirements of points M.A.606(a) and (b) are complied with, the [F135CAA] shall formally indicate its acceptance of the M.A.606(a) and (b) personnel to the applicant in writing.
- (b) [F12[X1The [F135CAA] shall establish that the procedures specified in the maintenance organisation manual comply with Subpart F of this Annex, and shall ensure that the accountable manager signs the commitment statement.
- (c) The [F135CAA] shall verify that the organisation is in compliance with the requirements laid down in Subpart F of this Annex.]]
- (d) A meeting with the accountable manager shall be convened at least once during the investigation for approval to ensure that he/she fully understands the significance of the approval and the reason for signing the commitment of the organisation to compliance with the procedures specified in the manual.
- (e) All findings shall be confirmed in writing to the applicant organisation.
- (f) The [F135CAA] shall record all findings, closure actions (actions required to close a finding) and recommendations.
- (g) For initial approval all findings shall be corrected by the organisation and closed by the [F135CAA] before the approval can be issued.

##### Textual Amendments

**F135** Word in Annex 1 point M.B.602 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **259(3)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.B.603 Issue of approval

- (a) [F12[X1The [F136CAA] shall issue to the applicant [F137a CAA Form 3] approval certificate (Appendix V to this Annex), which includes the extent of the approval, when the maintenance organisation is in compliance with the applicable points of this Annex.]]
- (b) The [F138CAA] shall indicate the conditions attached to the approval on the [F139CAA Form 3] approval certificate.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (c) The reference number shall be included on the [F140CAA Form 3] approval certificate in a manner specified by the [F141CAA].

#### Textual Amendments

- F136** Word in Annex 1 point M.B.603(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 259(4)(a)(i) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F137** Words in Annex 1 point M.B.603(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 259(4)(a)(ii) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F138** Word in Annex 1 point M.B.603(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 259(4)(b)(i) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F139** Words in Annex 1 point M.B.603(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 259(4)(b)(ii) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F140** Words in Annex 1 point M.B.603(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 259(4)(c)(i) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F141** Word in Annex 1 point M.B.603(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 259(4)(c)(ii) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.B.604 Continuing oversight

- (a) [F12[X1The [F142CAA] shall keep and update a programme listing, for each maintenance organisation approved in accordance with Subpart F of Section B of this Annex under its supervision, the dates when audit visits are due and when such visits were carried out.]]
- (b) Each organisation shall be completely audited at periods not exceeding 24 months.
- (c) All findings shall be confirmed in writing to the applicant organisation.
- (d) The [F142CAA] shall record all findings, closure actions (actions required to close a finding) and recommendations.
- (e) A meeting with the accountable manager shall be convened at least once every 24 months to ensure he/she remains informed of significant issues arising during audits.

#### Textual Amendments

- F142** Word in Annex 1 point M.B.604 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 259(5) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.B.605 Findings

- (a) [F12[X1When during audits or by other means evidence is found showing non-compliance with a requirement laid down in this Annex or Annex Vb (Part-ML), the [F143CAA] shall take the following actions:]]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

1. For level 1 findings, immediate action shall be taken by the [F143CAA] to revoke, limit or suspend in whole or in part, depending upon the extent of the level 1 finding, the maintenance organisation approval, until successful corrective action has been taken by the organisation.
  2. For level 2 findings, the [F143CAA] shall grant a corrective action period appropriate to the nature of the finding that shall not be more than three months. In certain circumstances, at the end of this first period and subject to the nature of the finding, the [F143CAA] can extend the three month period subject to a satisfactory corrective action plan.
- (b) Action shall be taken by the [F142CAA] to suspend in whole or part the approval in case of failure to comply within the timescale granted by the [F142CAA].

#### Textual Amendments

**F143** Word in Annex 1 point M.B.605 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 259(5) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.B.606 Changes

- (a) The [F144CAA] shall comply with the applicable elements of the initial approval for any change to the organisation notified in accordance with point M.A.617.
- (b) The [F144CAA] may prescribe the conditions under which the approved maintenance organisation may operate during such changes, unless it determines that the approval should be suspended due to the nature or the extent of the changes.
- (c) [F12]X1 For any change to the maintenance organisation manual:
  1. in the case of direct approval of changes in accordance with point (b) of point M.A.604, the [F144CAA] shall verify that the procedures specified in the manual are in compliance with this Annex before formally notifying the approved organisation of the approval;
  2. in the case of an indirect approval of changes in accordance with point (c) of point M.A.604, the [F144CAA] shall ensure that:
    - (i) the changes remain minor;
    - (ii) it has adequate control over the approval of the changes to ensure they remain in compliance with the requirements of this Annex.]]

#### Textual Amendments

**F144** Word in Annex 1 point M.B.606 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 259(5) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.B.607 Revocation, suspension and limitation of an approval

The [F145CAA] shall:

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F145** Word in Annex 1 point M.B.607 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **259(5)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

- (a) suspend an approval on reasonable grounds in the case of potential safety threat, or;
- (b) suspend, revoke or limit an approval pursuant to point M.B.605.

## SUBPART CONTINUING AIRWORTHINESS MANAGEMENT ORGANISATION

### G

#### M.B.701 Application

- (a) <sup>F1</sup>For licenced air carriers in accordance with Regulation (EC) No 1008/2008 the <sup>F146</sup>CAA] shall receive for approval with the initial application for the air operator's certificate and where applicable any variation applied for and for each aircraft type to be operated:
  1. the continuing airworthiness management exposition;
  2. the operator's aircraft maintenance programmes;
  3. the aircraft technical log;
  4. where appropriate the technical specification of the maintenance contracts between the CAMO and Part-145 approved maintenance organisation.]
- (b) <sup>F147</sup> ...

### Textual Amendments

**F146** Word in Annex 1 point M.B.701(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(2)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F147** Annex 1 point M.B.701(b) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(2)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.B.702 Initial approval

- (a) Provided the requirements of points M.A.706(a), (c), (d) and M.A.707 are complied with, the <sup>F148</sup>CAA] shall formally indicate its acceptance of the M.A.706(a), (c), (d) and M.A.707 personnel to the applicant in writing.
- (b) The <sup>F148</sup>CAA] shall establish that the procedures specified in the continuing airworthiness management exposition comply with Section A, Subpart G of this Annex (Part-M) and ensure the accountable manager signs the commitment statement.
- (c) The <sup>F148</sup>CAA] shall verify the organisation's compliance with requirements laid down in Section A, Subpart G of this Annex (Part-M).
- (d) A meeting with the accountable manager shall be convened at least once during the investigation for approval to ensure that he/she fully understands the significance of

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the approval and the reason for signing the exposition commitment of the organisation to compliance with the procedures specified in the continuing airworthiness management exposition.

- (e) All findings shall be confirmed in writing to the applicant organisation.
- (f) The [F148CAA] shall record all findings, closure actions (actions required to close a finding) and recommendations.
- (g) For initial approval all findings shall be corrected by the organisation and closed by the [F148CAA] before the approval can be issued.

#### Textual Amendments

**F148** Word in Annex 1 point M.B.702 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(3)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### [F14M.B.703] Issue of approval

- (a) The [F149CAA] shall issue to the applicant [F150a CAA Form 14]-MG approval certificate (Appendix VI to this Annex) which includes the extent of approval, when the continuing airworthiness management organisation is in compliance with Section A, Subpart G of this Annex (Part-M).
- (b) The [F151CAA] shall indicate the validity of the approval on the [F152CAA Form 14] MG approval certificate.
- (c) The reference number shall be included on the Form 14 MG approval certificate in a manner specified by the [F153CAA].
- (d) In the case of licenced air carriers in accordance with Regulation (EC) No 1008/2008, the information contained on [F154a CAA Form 14] MG will be included on the air operator's certificate.]

#### Textual Amendments

**F149** Word in Annex 1 point M.B.703(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(4)(a)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F150** Words in Annex 1 point M.B.703(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(4)(a)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F151** Word in Annex 1 point M.B.703(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(4)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F152** Words in Annex 1 point M.B.703(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(4)(b)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F153** Word in Annex 1 point M.B.703(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(4)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

**F154** Words in Annex 1 point M.B.703(d) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(4)(d)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.B.704 Continuing oversight

- (a) The [F155CAA] shall keep and update a program listing, for each continuing airworthiness organisation approved under Section A, Subpart G of this Annex (Part-M) under its supervision, the dates when audit visits are due and when such visits were carried out.
- (b) Each organisation shall be completely audited at periods not exceeding 24 months.
- (c) A relevant sample of the aircraft managed by the organisation approved under Section B, Subpart G of this Annex (Part-M) shall be surveyed in every 24 month period. The size of the sample will be decided by the [F155CAA] based on the result of prior audits and earlier product surveys.
- (d) All findings shall be confirmed in writing to the applicant organisation.
- (e) The [F155CAA] shall record all findings, closure actions (actions required to close a finding) and recommendations.
- (f) A meeting with the accountable manager shall be convened at least once every 24 months to ensure he/she remains informed of significant issues arising during audits.

#### Textual Amendments

**F155** Word in Annex 1 point M.B.704 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(5)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### M.B.705 Findings

- (a) [F14]When during audits or by other means, evidence is found showing non-compliance to a requirement laid down in this Annex (Part-M) or Annex Vb (Part-ML), as applicable, the [F156CAA] shall take the following actions:
  1. For level 1 findings, immediate action shall be taken by the [F156CAA] to revoke, limit or suspend in whole or in part, depending upon the extent of the level 1 finding, the continuing airworthiness management organisation approval, until successful corrective action has been taken by the organisation.
  2. For level 2 findings, the [F156CAA] shall grant a corrective action period appropriate to the nature of the finding that shall not be more than three months. In certain circumstances, at the end of this first period, and subject to the nature of the finding the [F156CAA] can extend the three month period subject to a satisfactory corrective action plan.
- (b) Action shall be taken by the [F156CAA] to suspend in whole or part the approval in case of failure to comply within the timescale granted by the [F156CAA].

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F156** Word in Annex 1 point M.B.705 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(5)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### M.B.706 Changes

- (a) The [F157CAA] shall comply with the applicable elements of the initial approval for any change to the organisation notified in accordance with point M.A.713.
- (b) The [F157CAA] may prescribe the conditions under which the approved continuing airworthiness management organisation may operate during such changes unless it determines that the approval should be suspended due to the nature or the extent of the changes.
- (c) [F14For any change to the continuing airworthiness management exposition:
1. In the case of direct approval of changes in accordance with point M.A.704(b) of this Annex (Part-M), the [F157CAA] shall verify that the procedures specified in the exposition are in compliance with this Annex (Part-M) or Annex Vb (Part-ML), as applicable, before formally notifying the approved organisation of the approval.
  2. In the case an indirect approval procedure is used for the approval of the changes in accordance with point M.A.704(c) of this Annex (Part-M), the [F157CAA] shall ensure all of the following:
    - (i) that the changes remain minor;
    - (ii) that it has an adequate control over the approval of the changes to ensure they remain in compliance with the requirements of this Annex (Part-M) or Annex Vb (Part-ML), as applicable.]

### Textual Amendments

**F157** Word in Annex 1 point M.B.706 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(5)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### M.B.707 Revocation, suspension and limitation of an approval

The [F158CAA] shall:

### Textual Amendments

**F158** Word in Annex 1 point M.B.707 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **260(5)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

- (a) suspend an approval on reasonable grounds in the case of potential safety threat, or;
- (b) suspend, revoke or limit an approval pursuant to point M.B.705.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## SUBPART CERTIFICATE OF RELEASE TO SERVICE — CRS

H

(to be developed as appropriate)

## SUBPART AIRWORTHINESS REVIEW CERTIFICATE

I

### M.B.901 Assessment of recommendations

Upon receipt of an application and associated airworthiness review certificate recommendation in accordance with point M.A.901:

1. [F12][X1]Appropriately qualified personnel of the [F159CAA] shall verify that the compliance statement contained in the recommendation demonstrates that a complete airworthiness review in accordance with point M.A.901 has been carried out.]]
2. The [F159CAA] shall investigate and may request further information to support the assessment of the recommendation.

#### Textual Amendments

**F159** Word in Annex 1 point M.B.901 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 261(2) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### M.B.902 Airworthiness review by the [F160CAA]

- (a) [F12][X1]When the [F161CAA] carries out the airworthiness review and issues the airworthiness review certificate (Appendix III ([F162CAA Form 15a]) to this Annex), the [F163CAA] shall carry out an airworthiness review in accordance with point M.A.901.
- (b) The [F164CAA] shall have appropriate airworthiness review staff to carry out the airworthiness reviews.
  1. For all aircraft used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, and for aircraft above 2 730 kg MTOM, such staff shall have:
    - (a) acquired at least 5 years of experience in continuing airworthiness;
    - (b) acquired an appropriate licence in compliance with Annex III (Part-66), or a nationally recognised maintenance personnel qualification appropriate to the aircraft category (when Article 5(6) refers to national rules), or an aeronautical degree or equivalent;
    - (c) received formal aeronautical maintenance training;
    - (d) held a position with appropriate responsibilities.

Notwithstanding points (a) to (d), the requirement laid down in point (b) (1)(b) of point M.B.902 may be replaced with 5 years of experience in continuing airworthiness additional to those already required by point (b)(1) (a) of point M.B.902.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

2. For aircraft not used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, and for aircraft of 2 730 kg MTOM and below, such staff shall have:
- (a) at least 3 years of experience in continuing airworthiness;
  - (b) acquired an appropriate licence in compliance with Annex III (Part-66), or a nationally recognised maintenance personnel qualification appropriate to the aircraft category when Article 5(6) refers to national rules, or an aeronautical degree or equivalent;
  - (c) received appropriate aeronautical maintenance training;
  - (d) held a position with appropriate responsibilities.

Notwithstanding points (a) to (d), the requirement laid down in point (b)(2) (b) of point M.B.902 may be replaced by 4 years of experience in continuing airworthiness additional to those already required by point (b)(2)(a) of point M.B.902.]]

- (c) The [F165CAA] shall maintain a record of all airworthiness review staff, which shall include details of any appropriate qualification held together with a summary of relevant continuing airworthiness management experience and training.
- (d) The [F166CAA] shall have access to the applicable data as specified in points M.A.305, M.A.306 and M.A.401 in the performance of the airworthiness review.
- (e) The staff that carries out the airworthiness review shall issue a Form 15a after satisfactory completion of the airworthiness review.

#### Textual Amendments

- F161** Word in Annex 1 point M.B.902(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **261(3)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F162** Words in Annex 1 point M.B.902(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **261(3)(b)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F163** Word in Annex 1 point M.B.902(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **261(3)(b)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F164** Word in Annex 1 point M.B.902(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **261(3)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F165** Word in Annex 1 point M.B.902(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **261(3)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F166** Word in Annex 1 point M.B.902(d) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **261(3)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F160** Word in Annex 1 point M.B.902 heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **261(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### M.B.903 Findings

If during aircraft surveys or by other means evidence is found showing non-compliance to a Part-M requirement, the [F167CAA] shall take the following actions:

### Textual Amendments

**F167** Word in Annex 1 point M.B.903 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **261(4)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

1. for level 1 findings, the [F167CAA] shall require appropriate corrective action to be taken before further flight and immediate action shall be taken by the [F167CAA] to revoke or suspend the airworthiness review certificate.
2. for level 2 findings, the corrective action required by the [F167CAA] shall be appropriate to the nature of the finding.

### M.B.904 Exchange of information

F168 ...

### Textual Amendments

**F168** Annex 1 point M.B.904 omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **73(8)**

### Textual Amendments

**F114** Words in Annex 1 s. B heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **255** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## [<sup>F12</sup>]<sup>X1</sup> Appendix I

### Continuing airworthiness management contract

1. When an owner or operator contracts in accordance with point M.A.201 a CAMO or CAO to carry out continuing airworthiness management tasks, upon request by the [<sup>F169</sup>CAA], a copy of the contract signed by both parties shall be sent by the owner or operator to the [<sup>F170</sup>CAA].

#### Textual Amendments

**F169** Word in Annex 1 Appendix 1 para. 1 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **262(2)(a)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F170** Word in Annex 1 Appendix 1 para. 1 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **262(2)(a)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

2. The contract shall be developed taking into account the requirements of this Annex and shall define the obligations of the signatories in relation to the continuing airworthiness of the aircraft.
3. It shall contain as a minimum the following information:
  - aircraft registration, type and serial number;
  - aircraft owner's or registered lessee's name or company details including the address,
  - details of the contracted CAMO or CAO, including the address, and
  - the type of operation.
4. It shall state the following:

The owner or operator entrusts the CAMO or CAO with the management of the continuing airworthiness of the aircraft, the development of an AMP that shall be approved by the [<sup>F171</sup>CAA] as detailed in point M.1, and the organisation of the maintenance of the aircraft according to said AMP.

According to the present contract, both signatories undertake to follow the respective obligations of this contract.

The owner or operator declares to the best of its knowledge that all the information given to the CAMO or CAO concerning the continuing airworthiness of the aircraft is and will be accurate, and that the aircraft will not be altered without prior approval of the CAMO or CAO.

In case of any non-conformity with this contract, by either of the signatories, the contract will become null. In such a case, the owner or operator will retain full responsibility for every task linked to the continuing airworthiness of the aircraft, and the owner will inform the [<sup>F172</sup>CAA] within 2 weeks about such non-conformity with the contract.

#### Textual Amendments

**F171** Word in Annex 1 Appendix 1 para. 4 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **262(2)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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**F172** Word in Annex 1 Appendix 1 para. 4 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 262(2)(b)(ii) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

5. When an owner/operator contracts a CAMO or CAO in accordance with point M.A.201, the obligations of each party shall be assigned as follows:
  - 5.1. Obligations of the CAMO or CAO:
    1. have the aircraft type included in its terms of approval;
    2. respect the conditions listed below with regard to maintaining the continuing airworthiness of the aircraft:
      - (a) develop an AMP for the aircraft, including any reliability programme developed, if applicable;
      - (b) declare the maintenance tasks (in the AMP) that may be carried out by the pilot-owner in accordance with point (c) of point M.A.803;
      - (c) organise the approval of the AMP;
      - (d) once it has been approved, provide the owner or operator with a copy of the AMP;
      - (e) organise a bridging inspection with the aircraft prior maintenance programme;
      - (f) organise for all maintenance to be carried out by an approved maintenance organisation;
      - (g) organise for all applicable ADs to be applied;
      - (h) organise for all defects discovered during scheduled maintenance, airworthiness reviews or reported by the owner to be rectified by an approved maintenance organisation;
      - (i) coordinate scheduled maintenance, the application of ADs, the replacement of life-limited parts, and component inspection requirements;
      - (j) inform the owner each time the aircraft shall be brought to an approved maintenance organisation;
      - (k) manage all technical records;
      - (l) archive all technical records;
    3. organise the approval of any modification to the aircraft in accordance with Annex I to Regulation (EU) No 748/2012 (Part-21) before it is embodied;
    4. organise the approval of any repair to the aircraft in accordance with Annex I to Regulation (EU) No 748/2012 (Part-21) before it is carried out;
    5. inform the [<sup>F173</sup>CAA] whenever the aircraft is not presented to the approved maintenance organisation by the owner as requested by the approved organisation;
    6. inform the [<sup>F173</sup>CAA] whenever the present contract is not respected;

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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7. ensure that the airworthiness review of the aircraft is carried out when necessary, and ensure that the airworthiness review certificate is issued or a recommendation is sent to the [F173CAA];
8. send within 10 days a copy of any airworthiness review certificate issued or extended to the [F173CAA];
9. carry out all occurrence reporting mandated by applicable regulations;
10. inform the [F173CAA] when the contract is denounced by either party.

#### Textual Amendments

**F173** Word in [Annex 1 Appendix 1 para. 5.1](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(2)(c)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

- 5.2. Obligations of the owner or operator:
  1. have a general understanding of the approved AMP;
  2. have a general understanding of this Annex;
  3. present the aircraft to the approved maintenance organisation agreed with the CAMO or CAO at the due time designated at the CAMO's or CAO's request;
  4. not modify the aircraft without first consulting the CAMO or CAO;
  5. inform the CAMO or CAO of all maintenance exceptionally carried out without the knowledge and control of the CAMO or CAO;
  6. report all defects found during operations to the CAMO or CAO through the logbook;
  7. inform the [F174CAA] whenever the present contract is denounced by either party;
  8. inform the CAMO or CAO and [F175the CAA] whenever the aircraft is sold;
  9. carry out all occurrence reporting mandated by applicable regulations;
  10. inform on a regular basis the CAMO or CAO about the aircraft flying hours and any other utilisation data, as agreed with the CAMO or CAO;
  11. enter the CRS in the logbooks as mentioned in point (d) of point M.A.803 when performing pilot-owner maintenance without exceeding the limits of the maintenance tasks list as declared in the approved AMP as laid down in point (c) of point M.A.803;
  12. inform the CAMO or CAO not later than 30 days after completion of any pilot-owner maintenance task in accordance with point (a) of point M.A.305.

#### Textual Amendments

**F174** Word in [Annex 1 Appendix 1 para. 5.2](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(2)(d)(i)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)



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**Changes to legislation:** *There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes*

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**F175** Words in Annex 1 Appendix 1 para. 5.2 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(2)(d)(ii)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

6. When an owner or operator contracts a CAMO or CAO in accordance with point M.A.201, the obligations of each party in respect of mandatory and voluntary occurrence reporting in accordance with Regulation (EU) No 376/2014 of the European Parliament and of the Council <sup>(14)</sup> shall be clearly specified.]]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## Appendix II

### Authorised Release Certificate [<sup>F176</sup>CAA Form 1]

<sup>F177F178F179</sup>These instructions relate only to the use of the [<sup>F176</sup>CAA Form 1] for maintenance purposes. Attention is drawn to Appendix I to Annex I (Part-21) of Regulation (EU) No 748/2012 which covers the use of the [<sup>F176</sup>CAA Form 1] for production purposes.

#### Textual Amendments

- F177** Annex 1 Appendix 2: in the form, in block 1, the words “Approving Competent Authority / Country” are substituted by “CAA/UK” (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\), regs. 1, 262\(3\)\(d\)\(i\)](#) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F178** Annex 1 Appendix 2: in the form, in block 2, the words “EASA Form 1” are substituted by “CAA Form 1” (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\), regs. 1, 262\(3\)\(d\)\(ii\)](#) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F179** Annex 1 Appendix 2: in the form, at the end, the words “EASA Form 1-MF/CAO/145 Issue 3” are substituted by “CAA Form 1-MF/CAO/145 Issue 1” (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\), regs. 1, 262\(3\)\(d\)\(iii\)](#) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12 and S.I. 2020/1116, regs. 1(3), 24(a)); 2020 c. 1, Sch. 5 para. 1(1)

#### 1. PURPOSE AND USE

- 1.1. The primary purpose of the Certificate is to declare the airworthiness of maintenance work undertaken on products, parts and appliances (hereafter referred to as ‘item(s)’).
- 1.2. Correlation must be established between the Certificate and the item(s). The originator must retain a Certificate in a form that allows verification of the original data.
- 1.3. The Certificate is acceptable to many airworthiness authorities, but may be dependent on the existence of bilateral agreements and/or the policy of the airworthiness authority. The ‘approved design data’ mentioned in this Certificate then means approved by the airworthiness authority of the importing country.
- 1.4. The Certificate is not a delivery or shipping note.
- 1.5. Aircraft are not to be released using the Certificate.
- 1.6. The Certificate does not constitute approval to install the item on a particular aircraft, engine, or propeller but helps the end user determine its airworthiness approval status.
- 1.7. A mixture of production released and maintenance released items is not permitted on the same Certificate.

#### 2. GENERAL FORMAT

- 2.1. The Certificate must comply with the format attached including block numbers and the location of each block. The size of each block may however be varied to suit the individual application, but not to the extent that would make the Certificate unrecognisable.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- 2.2. The Certificate must be in ‘landscape’ format but the overall size may be significantly increased or decreased so long as the Certificate remains recognisable and legible. If in doubt consult the [<sup>F180</sup>CAA].

#### Textual Amendments

**F180** Word in [Annex 1 Appendix 2 para. 2.2](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(3)(b)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

- 2.3. The User/Installer responsibility statement can be placed on either side of the form.
- 2.4. All printing must be clear and legible to permit easy reading.
- 2.5. The Certificate may either be pre-printed or computer generated but in either case the printing of lines and characters must be clear and legible and in accordance with the defined format.
- 2.6. The Certificate should be in English, and if appropriate, in one or more other languages.
- 2.7. The details to be entered on the Certificate may be either machine/computer printed or hand-written using block letters and must permit easy reading.
- 2.8. Limit the use of abbreviations to a minimum, to aid clarity.
- 2.9. The space remaining on the reverse side of the Certificate may be used by the originator for any additional information but must not include any certification statement. Any use of the reverse side of the Certificate must be referenced in the appropriate block on the front side of the Certificate
3. **COPIES**
- 3.1. There is no restriction in the number of copies of the Certificate sent to the customer or retained by the originator.
4. **ERROR(S) ON A CERTIFICATE**
- 4.1. If an end-user finds an error(s) on a Certificate, he must identify it/them in writing to the originator. The originator may issue a new Certificate only if the error(s) can be verified and corrected.
- 4.2. The new Certificate must have a new tracking number, signature and date.
- 4.3. The request for a new Certificate may be honoured without re-verification of the item(s) condition. The new Certificate is not a statement of current condition and should refer to the previous Certificate in block 12 by the following statement; ‘This Certificate corrects the error(s) in block(s) [enter block(s) corrected] of the Certificate [enter original tracking number] dated [enter original issuance date] and does not cover conformity/condition/release to service’. Both Certificates should be retained according to the retention period associated with the first.
5. **COMPLETION OF THE CERTIFICATE BY THE ORIGINATOR**
- Block 1 [<sup>F181</sup>CAA/UK]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

#### Textual Amendments

**F182** Words in [Annex 1 Appendix 2 para. 5](#) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(3)(c)(i)(bb)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

*Block 2 [F183 CAA Form 1] header*

### **AUTHORISED RELEASE CERTIFICATE**

[F183 CAA Form 1]

*Block 3 Form Tracking Number*

Enter the unique number established by the numbering system/procedure of the organisation identified in block 4; this may include alpha/numeric characters.

*Block 4 Organisation Name and Address*

Enter the full name and address of the approved organisation (refer to [F184 CAA Form 3]) releasing the work covered by this Certificate. Logos, etc., are permitted if the logo can be contained within the block.

#### Textual Amendments

**F184** Words in [Annex 1 Appendix 2 para. 5](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(3)(c)(iii)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

*Block 5 Work Order/Contract/Invoice*

To facilitate customer traceability of the item(s), enter the work order number, contract number, invoice number, or similar reference number.

*Block 6 Item*

Enter line item numbers when there is more than one line item. This block permits easy cross-referencing to the Remarks block 12.

*Block 7 Description*

Enter the name or description of the item. Preference should be given to the term used in the instructions for continued airworthiness or maintenance data (e.g. Illustrated Parts Catalogue, Aircraft Maintenance Manual, Service Bulletin, Component Maintenance Manual).

*Block 8 Part Number*

Enter the part number as it appears on the item or tag/packaging. In case of an engine or propeller the type designation may be used.

*Block 9 Quantity*

State the quantity of items.

*Block 10 Serial Number*

If the item is required by regulations to be identified with a serial number, enter it here. Additionally, any other serial number not required by regulation may also be entered. If there is no serial number identified on the item, enter 'N/A'.

*Block 11 Status/Work*

The following describes the permissible entries for block 11. Enter only one of these terms — where more than one may be applicable, use the one that most accurately describes the majority of the work performed and/or the status of the article.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

(i)	Overhauled	.	Means a process that ensures the item is in complete conformity with all the applicable service tolerances specified in the type certificate holder's, or equipment manufacturer's instructions for continued airworthiness, or in the data which is approved or accepted by the [F186CAA]. The item will be at least disassembled, cleaned, inspected, repaired as necessary, reassembled and tested in accordance with the above specified data.
(ii)	Repaired	.	Rectification of defect(s) using an applicable standard <sup>a</sup> .
(iii)	Inspected/Tested	.	Examination, measurement, etc. in accordance with an applicable standard <sup>a</sup> (e.g. visual inspection, functional testing, bench testing etc.).
(iv)	Modified	.	Alteration of an item to conform to an applicable standard <sup>a</sup> .

<sup>a</sup> Applicable standard means a manufacturing/design/maintenance/quality standard, method, technique or practice approved by or acceptable to the [F186CAA]. The applicable standard shall be described in block 12.

### Textual Amendments

**F185** Word in Annex 1 Appendix 2 para. 5 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **262(3)(c)(iv)(bb)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F186** Word in Annex 1 Appendix 2 para. 5 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **262(3)(c)(iv)(aa)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

Block 12 Remarks

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Describe the work identified in Block 11, either directly or by reference to supporting documentation, necessary for the user or installer to determine the airworthiness of item(s) in relation to the work being certified. If necessary, a separate sheet may be used and referenced from the main [<sup>F187</sup>CAA Form 1]. Each statement must clearly identify which item(s) in Block 6 it relates to.

#### Textual Amendments

**F187** Words in Annex 1 Appendix 2 para. 5 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **262(3)(c)(v)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

Examples of information to be entered in block 12 are:

- (i) Maintenance data used, including the revision status and reference.
- (ii) Compliance with airworthiness directives or service bulletins.
- (iii) Repairs carried out.
- (iv) Modifications carried out.
- (v) Replacement parts installed.
- (vi) Life limited parts status.
- (vii) Deviations from the customer work order.
- (viii) Release statements to satisfy a foreign Civil Aviation Authority maintenance requirement.
- (ix) Information needed to support shipment with shortages or re-assembly after delivery.
- (x) [<sup>F12</sup>]<sup>X1</sup>F For maintenance organisations approved in accordance with Subpart F of Annex I (Part-M) or Annex Vd (Part-CAO), the component CRS statement referred to in point M.A.613 and CAO.A.070, as applicable:

Certifies that, unless otherwise specified in this block, the work identified in block 11 and described in this block was accomplished in accordance with the requirements of Section A, Subpart F of Annex I (Part-M) or Annex Vd (Part-CAO) to Regulation (EU) No 1321/2014, and in respect to that work the item is considered ready for release to service. THIS IS NOT A RELEASE UNDER ANNEX II (PART-145) TO REGULATION (EU) No 1321/2014.

If printing the data from an electronic [<sup>F187</sup>CAA Form 1], any appropriate data not fit for other blocks should be entered in this block.]]

#### Block 13a-13e

General Requirements for blocks 13a-13e: Not used for maintenance release. Shade, darken, or otherwise mark to preclude inadvertent or unauthorised use.

#### [<sup>F12</sup>]<sup>X1</sup>Block 14a

Mark the appropriate box(es) indicating which regulations apply to the completed work. If the box ‘ other regulations specified in block 12 ’ is marked, then the regulations of the other airworthiness authority(ies) must be identified in block 12. At least one box must be marked, or both boxes may be marked, as appropriate.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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For all maintenance carried out by maintenance organisations approved in accordance with Section A, Subpart F of Annex I (Part M) or Annex Vd (Part-CAO) to Regulation (EU) No 1321/2014, the box ‘ other regulation specified in block 12 ’ shall be ticked and the CRS statement be entered in block 12. In that case, the certification statement ‘ unless otherwise specified in this block ’ is intended to address the following cases:

- (a) where maintenance could not be completed;
- (b) where maintenance deviated from the standard required by Annex I (Part-M) or Annex Vd (Part-CAO);
- (c) where maintenance was carried out in accordance with a requirement other than that specified in Annex I (Part-M) or Annex Vd (Part-CAO); in this case, block 12 shall specify the particular national regulation.

For all maintenance carried out by maintenance organisations approved in accordance with Section A of Annex II (Part-145) to Regulation (EU) No 1321/2014, the certification statement ‘ unless otherwise specified in block 12 ’ is intended to address the following cases:

- (a) where maintenance could not be completed;
- (b) where maintenance deviated from the standard required by Annex II (Part-145);
- (c) where maintenance was carried out in accordance with a requirement other than that specified in Annex II (Part-145); in this case, block 12 shall specify the particular national regulation.]]

#### *Block 14b Authorised Signature*

This space shall be completed with the signature of the authorised person. Only persons specifically authorised under the rules and policies of the [F188CAA] are permitted to sign this block. To aid recognition, a unique number identifying the authorised person may be added.

#### **Textual Amendments**

**F188** Word in [Annex 1 Appendix 2 para. 5](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(3)(c)(vi)** (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, [Sch. 5 para. 1\(1\)](#))

#### *Block 14c Certificate/Approval Number*

Enter the Certificate/Approval number/reference. This number or reference is issued by the [F188CAA].

#### *Block 14d Name*

Enter the name of the person signing block 14b in a legible form.

#### *Block 14e Date*

Enter the date on which block 14b is signed, the date must be in the format dd = 2 digit day, mmm = first 3 letters of the month, yyyy = 4 digit year

#### *User/Installer Responsibilities*

Place the following statement on the Certificate to notify end users that they are not relieved of their responsibilities concerning installation and use of any item accompanied by the form:

THIS CERTIFICATE DOES NOT AUTOMATICALLY CONSTITUTE AUTHORITY TO INSTALL.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

WHERE THE USER/INSTALLER PERFORMS WORK IN ACCORDANCE WITH REGULATIONS OF AN AIRWORTHINESS AUTHORITY DIFFERENT THAN THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1, IT IS ESSENTIAL THAT THE USER/INSTALLER ENSURES THAT HIS/HER AIRWORTHINESS AUTHORITY ACCEPTS ITEMS FROM THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1.

STATEMENTS IN BLOCKS 13A AND 14A DO NOT CONSTITUTE INSTALLATION CERTIFICATION. IN ALL CASES AIRCRAFT MAINTENANCE RECORDS MUST CONTAIN AN INSTALLATION CERTIFICATION ISSUED IN ACCORDANCE WITH THE NATIONAL REGULATIONS BY THE USER/INSTALLER BEFORE THE AIRCRAFT MAY BE FLOWN.

1. Approving Competent Authority / Country		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number
4. Organisation Name and Address:				5. Work Order/Contract/Invoice	
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12			14a. <input type="checkbox"/> Part-145.A.50 Release to Service <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.		
13b. Authorised Signature		13c. Approval/Authorisation Number	14b. Authorised Signature		14c. Certificate/Approval Ref. No.
13d. Name		13e. Date (dd mmm yyyy)	14d. Name		14e. Date (dd mmm yyyy)
<b>USER/INSTALLER RESPONSIBILITIES</b> This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1. Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					



Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

F189F190F191F192F193F194F195F196 [F12][X1 Appendix III Airworthiness Review Certificate – [F197 CAA Form 15]]

[MEMBER STATE]
A Member State of the European Union (\*)
AIRWORTHINESS REVIEW CERTIFICATE (ARC)
ARC reference: .....
Pursuant to Regulation (EU) 2018/1139 of the European Parliament and of the Council the following organisation, approved in accordance with Section A of Annex Vc (Part-CAMO) or Section A of Subpart G of Annex I (Part-M) or Section A of Annex Vb (Part-CAO) to Commission Regulation (EU) No 1321/2014,
[NAME OF ORGANISATION APPROVED AND ADDRESS]
[APPROVAL REFERENCE]
hereby certifies that it has performed an airworthiness review in accordance with point M.A.901 of Annex I to Commission Regulation (EU) No 1321/2014 on the following aircraft: ◀
Aircraft manufacturer: .....
Manufacturer's designation: .....
Aircraft registration: .....
Aircraft serial number: .....
and this aircraft is considered airworthy at the time of the review.
Date of issue: ..... Date of expiry: .....
Airframe flight hours (FH) at date of issue (\*\*): .....
Signed: ..... Authorisation No: .....
1st extension: The aircraft has remained in a controlled environment in accordance with point M.A.901 of Annex I (Part-M) to Commission Regulation (EU) No 1321/2014 for the last year. The aircraft is considered to be airworthy at the time of the issue.
Date of issue: ..... Date of expiry: .....
Airframe Flight Hours (FH) at date of issue (\*\*): .....
Signed: ..... Authorisation No: .....
Company name: ..... Approval reference: .....
2nd extension: The aircraft has remained in a controlled environment in accordance with point M.A.901 of Annex I (Part-M) to Commission Regulation (EU) No 1321/2014 for the last year. The aircraft is considered to be airworthy at the time of the issue.
Date of issue: ..... Date of expiry: .....
Airframe flight hours (FH) at date of issue (\*\*): .....
Signed: ..... Authorisation No: .....
Company Name: ..... Approval reference: .....
(\*) Delete for non-EU Member States

EASA Form 15b ▶ Issue 6 ◀
(\*) Delete for non-EU Member States.
(\*\*) Except for airships.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

[MEMBER STATE]

A Member of the European Union (\*)

AIRWORTHINESS REVIEW CERTIFICATE (ARC)

ARC reference: .....

Pursuant to Regulation (EU) 2018/1139 of the European Parliament and of the Council the [COMPETENT AUTHORITY OF THE MEMBER STATE] hereby certifies that the following aircraft:

Aircraft manufacturer: .....

Manufacturer's designation: .....

Aircraft registration: .....

Aircraft serial number: .....

is considered airworthy at the time of the review.

Date of issue: ..... Date of expiry: .....

Airframe flight hours (FH) at date of issue (\*\*): .....

Signed: ..... Authorisation No: .....

1st extension: The aircraft has remained in a controlled environment in accordance with point M.A.901 of Annex I (Part-M) to Commission Regulation (EU) No 1321/2014 for the last year. The aircraft is considered to be airworthy at the time of the issue.

Date of issue: ..... Date of expiry: .....

Airframe flight hours (FH) at date of issue (\*\*): .....

Signed: ..... Authorisation No: .....

Company Name: ..... Approval reference: .....

2nd extension: The aircraft has remained in a controlled environment in accordance with point M.A.901 of Annex I (Part-M) to Commission Regulation (EU) No 1321/2014 for the last year. The aircraft is considered to be airworthy at the time of the issue.

Date of issue: ..... Date of expiry: .....

Airframe flight hours (FH) at date of issue (\*\*): .....

Signed: ..... Authorisation No: .....

Company Name: ..... Approval reference: .....

EASA Form 15a Issue 5
(\*) Delete for non-EU Member States.
(\*\*) Except for airships.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## Appendix IV

### Class and Ratings System to be used for the Approval of Maintenance Organisations referred to in Annex I (Part-M) Subpart F and Annex II (Part-145)

1. Except as stated otherwise for the smallest organisations in point 12, the table referred to in point 13 provides the standard system for the approval of maintenance organisation under Subpart F of Annex I (Part-M) and Annex II (Part-145). An organisation must be granted an approval ranging from a single class and rating with limitations to all classes and ratings with limitations.
2. In addition to the table referred to in point 13, the approved maintenance organisation is required to indicate its *scope of work* in its maintenance organisation manual/exposition. See also point 11.
3. Within the approval class(es) and rating(s) granted by the [F198CAA], the scope of work specified in the maintenance organisation exposition defines the exact limits of approval. It is therefore essential that the approval class(es) and rating(s) and the organisations scope of work are matching.
4. *A category A class rating* means that the approved maintenance organisation may carry out maintenance on the aircraft and any component (including engines and/or Auxiliary Power Units (APUs), in accordance with aircraft maintenance data or, if agreed by the [F198CAA], in accordance with component maintenance data, only whilst such components are fitted to the aircraft. Nevertheless, such A-rated approved maintenance organisation may temporarily remove a component for maintenance, in order to improve access to that component, except when such removal generates the need for additional maintenance not eligible for the provisions of this point. This will be subject to a control procedure in the maintenance organisation exposition to be approved by the [F198CAA]. The limitation section will specify the scope of such maintenance thereby indicating the extent of approval.
5. *A category B class rating* means that the approved maintenance organisation may carry out maintenance on the uninstalled engine and/or APU and engine and/or APU components, in accordance with engine and/or APU maintenance data or, if agreed by the [F198CAA], in accordance with component maintenance data, only whilst such components are fitted to the engine and/or APU. Nevertheless, such B-rated approved maintenance organisation may temporarily remove a component for maintenance, in order to improve access to that component, except when such removal generates the need for additional maintenance not eligible for the provisions of this point. The limitation section will specify the scope of such maintenance thereby indicating the extent of approval. A maintenance organisation approved with a category B class rating may also carry out maintenance on an installed engine during 'base' and 'line' maintenance subject to a control procedure in the maintenance organisation exposition to be approved by the [F198CAA]. The maintenance organisation exposition scope of work shall reflect such activity where permitted by the [F198CAA].
6. *A category C class rating* means that the approved maintenance organisation may carry out maintenance on uninstalled components (excluding engines and APUs) intended for fitment to the aircraft or engine/APU. The limitation section will specify the scope of such maintenance thereby indicating the extent of approval. A maintenance organisation approved with a category C class rating may also carry out maintenance on an installed component during base and line maintenance

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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or at an engine/APU maintenance facility subject to a control procedure in the maintenance organisation exposition to be approved by the [F198CAA]. The maintenance organisation exposition scope of work shall reflect such activity where permitted by the [F198CAA].

7. *A category D class rating* is a self contained class rating not necessarily related to a specific aircraft, engine or other component. The D1 — Non Destructive Testing (NDT) rating is only necessary for an approved maintenance organisation that carries out NDT as a particular task for another organisation. A maintenance organisation approved with a class rating in A or B or C category may carry out NDT on products it is maintaining subject to the maintenance organisation exposition containing NDT procedures, without the need for a D1 class rating.
8. In the case of maintenance organisations approved in accordance with Annex II (Part-145), *category A class ratings* are subdivided into ‘Base’ or ‘Line’ maintenance. Such an organisation may be approved for either ‘Base’ or ‘Line’ maintenance or both. It should be noted that a ‘Line’ facility located at a main base facility requires a ‘Line’ maintenance approval.
9. The *limitation* section is intended to give the [F199CAA] the flexibility to customise the approval to any particular organisation. Ratings shall be mentioned on the approval only when appropriately limited. The table referred to in point 13 specifies the types of limitation possible. Whilst maintenance is listed last in each class rating it is acceptable to stress the maintenance task rather than the aircraft or engine type or manufacturer, if this is more appropriate to the organisation (an example could be avionics systems installations and related maintenance). Such mention in the limitation section indicates that the maintenance organisation is approved to carry out maintenance up to and including this particular type/task.
10. When reference is made to *series, type and group* in the limitation section of class A and B, series means a specific type series such as Airbus 300 or 310 or 319 or Boeing 737-300 series or RB211-524 series or Cessna 150 or Cessna 172 or Beech 55 series or continental O-200 series etc; type means a specific type or model such as Airbus 310-240 type or RB 211-524 B4 type or Cessna 172RG type; any number of series or types may be quoted; group means for example Cessna single piston engine aircraft or Lycoming non-supercharged piston engines etc.
11. When a *lengthy capability list* is used which could be subject to frequent amendment, then such amendment may be in accordance with the indirect approval procedure referred to in points M.A.604(c) and M.B.606(c) or 145.A.70(c) and 145.B.40, as applicable.
12. *A maintenance organisation which employs only one person* to both plan and carry out all maintenance can only hold a limited scope of approval rating. The maximum permissible limits are:

CLASS	RATING	LIMITATION
CLASS AIRCRAFT	RATING A2 AEROPLANES 5 700 KG AND BELOW	PISTON ENGINE 5 700 KG AND BELOW
CLASS AIRCRAFT	RATING A3 HELICOPTERS	SINGLE PISTON ENGINE 3 175 KG AND BELOW

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

CLASS AIRCRAFT	RATING A4 AIRCRAFT OTHER THAN A1, A2 AND A3	NO LIMITATION
CLASS ENGINES	RATING B2 PISTON	LESS THAN 450 HP
CLASS COMPONENTS RATING OTHER THAN COMPLETE ENGINES OR APU'S.	C1 TO C22	AS PER CAPABILITY LIST
CLASS SPECIALISED	D1 NDT	NDT METHOD(S) TO BE SPECIFIED.

It should be noted that such an organisation may be further limited by the [<sup>F200</sup>CAA] in the scope of approval dependent upon the capability of the particular organisation.

13. Table

CLASS	RATING	LIMITATION	BASE	LINE
[ <sup>F31</sup> AIRCRAFT	A1	Aeroplanes above 5 700 kg [Rating reserved to Maintenance Organisations approved in accordance with Annex II (Part 145)] [Shall state aeroplane manufacturer or group or series or type and/or the maintenance tasks] Example: Airbus A320 Series	[YES/NO] <sup>a</sup>	[YES/NO] <sup>a</sup>
	[ <sup>F14</sup> A2	Aeroplanes 5 700 kg and below [Shall state aeroplane manufacturer or group or series or type and/or the maintenance tasks] Example: DHC-6 Twin Otter Series	[YES/NO] <sup>a</sup>	[YES/NO]] <sup>a</sup>

<sup>a</sup> [<sup>F8</sup>Delete as appropriate]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

			State whether the issue of airworthiness review certificates is authorised or not		
	A3	Helicopters	[Shall state helicopter manufacturer or group or series or type and/or the maintenance task(s)] <i>Example:</i> Robinson R44	[YES/NO] <sup>a</sup>	[YES/NO] <sup>a</sup>
	[ <sup>F14</sup> A4	Aircraft other than A1, A2 and A3	[Shall state aircraft category (sailplane, balloon, airship, etc.), manufacturer or group or series or type and/or the maintenance task(s)] State whether the issue of airworthiness review certificates is authorised or not	[YES/NO] <sup>a</sup>	[YES/NO]] <sup>a</sup>
ENGINES	B1	Turbine	[Shall state engine series or type and/or the maintenance task(s)] <i>Example: PT6A Series</i>		
	B2	Piston	[Shall state engine manufacturer or group or series or type and/or the maintenance task(s)]		
	B3	APU	[Shall state engine manufacturer or series or type and/or the maintenance task(s)]		
COMPONENTS OTHER THAN COMPLETE	C1	Air Cond & Press	[Shall state 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).] <i>Example: PT6A Fuel Control</i>		

<sup>a</sup> [<sup>F8</sup>Delete as appropriate]

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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ENGINES OR APUs	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	Helicopter — Rotors
	C11	Helicopter — Trans
	C12	Hydraulic Power
	C13	Indicating — recording system
	C14	Landing Gear
	C15	Oxygen
	C16	Propellers

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**a** [<sup>F8</sup>Delete as appropriate]

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

	C17	Pneumatic & Vacuum			
	C18	Protection ice/ rain/ fire			
	C19	Windows			
	C20	Structural			
	C21	Water ballast			
	C22	Propulsion Augmentation			
SPECIALISED SERVICES	D1	Non Destructive Testing	[Shall state particular NDT method(s)]		
a [F8Delete as appropriate]					

#### Textual Amendments

- F198** Word in Annex 1 Appendix 4 points 3-6 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(5)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, **Sch. 5 para. 1(1)**
- F199** Word in Annex 1 Appendix 4 point 9 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(5)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F200** Word in Annex 1 Appendix 4 point 12 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(5)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

[<sup>F14</sup>Appendix V**Maintenance Organisation Certificate referred to in  
Annex I (Part-M) Subpart F – [<sup>F201</sup>CAA Form 3 MF]**

Page 1 of 2

[<sup>F202</sup>United Kingdom]**Textual Amendments**

**F202** Words in Annex 1 Appendix 5 Form substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **262(6)(a)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**MAINTENANCE ORGANISATION CERTIFICATE**Reference: [<sup>F203</sup>United Kingdom].MF.[XXXX]**Textual Amendments**

**F203** Words in Annex 1 Appendix 5 Form substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **262(6)(a)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

Pursuant to Regulation (EU) 2018/1139 of the European Parliament and of the Council and to Commission Regulation (EU) No 1321/2014 and subject to the conditions specified below, the [<sup>F204</sup>Civil Aviation Authority] hereby certifies:

**Textual Amendments**

**F204** Words in Annex 1 Appendix 5 Form substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **262(6)(a)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

[COMPANY NAME AND ADDRESS]

as a maintenance organisation in compliance with Section A, Subpart F of Annex I (Part-M) to Commission Regulation (EU) No 1321/2014, approved to maintain the products, parts and appliances listed in the attached terms of approval and issue related certificates of release to service using the above references and, when stipulated, airworthiness review certificates after an airworthiness review as specified in point ML.A.903 of Annex Vb (Part-ML) to Commission Regulation (EU) No 1321/2014 for those aircraft listed in the attached terms of approval.

**CONDITIONS:**

1. This certificate is limited to what is specified in the scope of work section of the approved maintenance organisation manual as referred to in Section A, Subpart F of Annex I (Part-M) to Commission Regulation (EU) No 1321/2014; and

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

2. This certificate requires compliance with the procedures specified in the approved maintenance organisation manual; and
3. This certificate is valid whilst the approved maintenance organisation remains in compliance with Annex I (Part-M) and Annex Vb (Part-ML) to Commission Regulation (EU) No 1321/2014.
4. Subject to compliance with the foregoing conditions, this certificate shall remain valid until 24 September 2021 unless the certificate has been surrendered, superseded, suspended or revoked before that date.

Date of original issue: ...

Date of this revision: ...

Revision No: ...

Signed: ...

[<sup>F205</sup>For the CAA]

#### Textual Amendments

**F205** Words in Annex 1 Appendix 5 Form substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(6)(a)(iv)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, **Sch. 5 para. 1(1)**

[<sup>F206</sup>CAA Form 3-MF Issue 1]

(\*) **F207** ...

#### Textual Amendments

**F207** Words in Annex 1 Appendix 5 Form omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(6)(a)(vi)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

(\*\*) **F207** ...

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## MAINTENANCE ORGANISATION TERMS OF APPROVAL

Reference: [<sup>F208</sup>United Kingdom].MF.XXXX

#### Textual Amendments

**F208** Words in Annex 1 Appendix 5 Form substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(6)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

Organisation: [COMPANY NAME AND ADDRESS]

CLASS	RATING	LIMITATION
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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

<b>AIRCRAFT (**)</b>	(***)	(****)
	(***)	(****)
<b>ENGINES (**)</b>	(***)	(***)
	(***)	(***)
<b>COMPONENTS OTHER THAN COMPLETE ENGINES OR APUs (**)</b>	(***)	(***)
	(***)	(***)
	(***)	(***)
	(***)	(***)
	(***)	(***)
	(***)	(***)
<b>SPECIALISED SERVICES (**)</b>	(***)	(***)
	(***)	(***)

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 maintenance organisation manual.

Maintenance organisation manual reference: ...

Date of original issue: ...

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

Signed: ...

[<sup>F209</sup>For the CAA]

#### Textual Amendments

**F209** Words in [Annex 1 Appendix 5 Form](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(6)(b)(ii)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

[<sup>F210</sup>CAA Form 3-MF Issue 1]

(\*) **F211** ...

#### Textual Amendments

**F211** Words in [Annex 1 Appendix 5 Form](#) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(6)(b)(iv)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

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

(\*\*\*) Complete with the appropriate rating and limitation.

(\*\*\*\*) Complete with the appropriate limitation and state whether the issue of airworthiness review certificates is authorised or not (only possible for ELA1 aircraft not involved)

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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in commercial operations when the organisation performs the airworthiness review together with the annual inspection contained in the AMP).]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## [<sup>F83</sup>Appendix VI

### Continuing airworthiness management organisation certificate referred to in Annex I (Part-M) Subpart G – [<sup>F212</sup>CAA Form 14-MG]

[<sup>F213</sup>United Kingdom]

#### Textual Amendments

**F213** Words in Annex 1 Appendix 6 Form substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 262(7)(a)(i) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### CONTINUING AIRWORTHINESS MANAGEMENT ORGANISATION CERTIFICATE

Reference: [<sup>F214</sup>United Kingdom].MG.XXXX (ref. AOC XX.XXXX)

#### Textual Amendments

**F214** Words in Annex 1 Appendix 6 Form substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 262(7)(a)(ii) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

Pursuant to Regulation (EU) 2018/1139 of the European Parliament and of the Council and to Commission Regulation (EU) No 1321/2014 for the time being in force and subject to the condition specified below, the [<sup>F215</sup>Civil Aviation Authority] hereby certifies:

#### Textual Amendments

**F215** Words in Annex 1 Appendix 6 Form substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 262(7)(a)(iii) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### [COMPANY NAME AND ADDRESS]

as a continuing airworthiness management organisation in compliance with Section A, Subpart G of Annex I (Part-M) to Regulation (EU) No 1321/2014, approved to manage the continuing airworthiness of the aircraft listed in the attached terms of approval and, when stipulated, to issue recommendations and airworthiness review certificates after an airworthiness review as specified in point M.A.901 of Annex I (Part-M) or ML.A.901 of Annex Vb (Part-ML), and, when stipulated, to issue permits to fly as specified in point M.A.711(c) of Annex I (Part-M) to that Regulation.

### CONDITIONS

1. This certificate is limited to that specified in the scope of work section of the approved continuing airworthiness management exposition as referred to in Section A, Subpart G of Annex I (Part-M) to Regulation (EU) No 1321/2014.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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2. This certificate requires compliance with the procedures specified in the continuing airworthiness management exposition approved in accordance with Subpart G of Annex I (Part-M) to Regulation (EU) No 1321/2014.
3. This certificate is valid whilst the approved continuing airworthiness management organisation remains in compliance with Annex I (Part-M) and, if applicable, Annex Vb (Part-ML) to Regulation (EU) No 1321/2014.
4. Where the continuing airworthiness management organisation contracts under its Quality System the service of an organisation or several organisations, this certificate remains valid subject to such organisation(s) fulfilling applicable contractual obligations.
5. Subject to compliance with the conditions 1 to 4 above, this certificate shall remain valid until 24 September 2021 , unless the certificate has previously been surrendered, superseded, suspended or revoked.  
  
If this form is also used for licenced air carriers in accordance with Regulation (EC) No 1008/2008, the Air Operator Certificate (AOC) number shall be added to the reference, in addition to the standard number, and the condition 5 shall be replaced by the following extra conditions 6, 7 and 8:
6. This certificate does not constitute an authorisation to operate the types of aircraft referred in condition 1. The authorisation to operate the aircraft is the AOC.
7. Termination, suspension or revocation of the AOC automatically invalidates this certificate in relation to the aircraft registrations specified in the AOC, unless otherwise explicitly stated by the [F216CAA].
8. Subject to compliance with conditions 1 to 4, 6 and 7, this certificate shall remain valid until 24 September 2021 , unless the certificate has previously been surrendered, superseded, suspended or revoked.

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#### Textual Amendments

**F216** Word in [Annex 1 Appendix 6 Form](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(7)(a)(iv)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

Date of original issue: ...

Signed: ...

Date of this revision: ... Revision No: ...

[F217For the CAA]

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#### Textual Amendments

**F217** Words in [Annex 1 Appendix 6 Form](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(7)(a)(v)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

[<sup>F218</sup>CAA Form 14 issue 1]

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## CONTINUING AIRWORTHINESS MANAGEMENT ORGANISATION

### TERMS OF APPROVAL

Reference: [<sup>F219</sup>United Kingdom].MG.XXXX

#### Textual Amendments

**F219** Words in [Annex 1 Appendix 6 Form](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(7)(b)(i)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

(ref. AOC XX.XXXX)

Organisation: [COMPANY NAME AND ADDRESS]

Aircraft type/ series/group	Airworthiness review authorised	Permits to fly authorised	Organisation(s) working under quality system
	[YES/NO] (***)	[YES/NO] (***)	
	[YES/NO] (***)	[YES/NO] (***)	
	[YES/NO] (***)	[YES/NO] (***)	
	[YES/NO] (***)	[YES/NO] (***)	

These terms of approval are limited to that specified in the scope of work contained in the approved Continuing Airworthiness Management Exposition section ...

Continuing Airworthiness Management Exposition Reference: ...

Date of original issue: ...

Signed: ...

Date of this revision: ... Revision No: ...

[<sup>F220</sup>For the CAA]

#### Textual Amendments

**F220** Words in [Annex 1 Appendix 6 Form](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(7)(b)(ii)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

[<sup>F221</sup>CAA Form 14 issue 1]

(\*) <sup>F222</sup> ...

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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### Textual Amendments

**F222** Words in [Annex 1 Appendix 6 Form](#) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **262(7)(b)(iv)** (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

(\*\*) F222 ...

(\*\*\*) Delete as appropriate if the organisation is not approved.]



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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## Appendix VII

### Complex Maintenance Tasks

[<sup>F12</sup>[<sup>X1</sup>The following constitutes the complex maintenance tasks referred to in points (b)(2) and (c) of point M.A.801:]]

1. The modification, repair or replacement by riveting, bonding, laminating, or welding of any of the following airframe parts:
  - (a) a box beam;
  - (b) a wing stringer or chord member;
  - (c) a spar;
  - (d) a spar flange;
  - (e) a member of a truss-type beam;
  - (f) the web of a beam;
  - (g) a keel or chine member of a flying boat hull or a float;
  - (h) a corrugated sheet compression member in a wing or tail surface;
  - (i) a wing main rib;
  - (j) a wing or tail surface brace strut;
  - (k) an engine mount;
  - (l) a fuselage longeron or frame;
  - (m) a member of a side truss, horizontal truss or bulkhead;
  - (n) a seat support brace or bracket;
  - (o) a seat rail replacement;
  - (p) a landing gear strut or brace strut;
  - (q) an axle;
  - (r) a wheel; and
  - (s) a ski or ski pedestal, excluding the replacement of a low-friction coating.
2. The modification or repair of any of the following parts:
  - (a) aircraft skin, or the skin of an aircraft float, if the work requires the use of a support, jig or fixture;
  - (b) aircraft skin that is subject to pressurization loads, if the damage to the skin measures more than 15 cm (6 inches) in any direction;
  - (c) a load-bearing part of a control system, including a control column, pedal, shaft, quadrant, bell crank, torque tube, control horn and forged or cast bracket, but excluding
    - (i) the swaging of a repair splice or cable fitting, and

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (ii) the replacement of a push-pull tube end fitting that is attached by riveting; and
  - (d) any other structure, not listed in (1), that a manufacturer has identified as primary structure in its maintenance manual, structural repair manual or instructions for continuing airworthiness.
- 3. The performance of the following maintenance on a piston engine:
  - (a) dismantling and subsequent reassembling of a piston engine other than (i) to obtain access to the piston/cylinder assemblies; or (ii) to remove the rear accessory cover to inspect and/or replace oil pump assemblies, where such work does not involve the removal and re-fitment of internal gears;
  - (b) dismantling and subsequent reassembling of reduction gears;
  - (c) welding and brazing of joints, other than minor weld repairs to exhaust units carried out by a suitably approved or authorised welder but excluding component replacement;
  - (d) the disturbing of individual parts of units which are supplied as bench tested units, except for the replacement or adjustment of items normally replaceable or adjustable in service.
- 4. The balancing of a propeller, except:
  - (a) for the certification of static balancing where required by the maintenance manual;
  - (b) dynamic balancing on installed propellers using electronic balancing equipment where permitted by the maintenance manual or other approved airworthiness data;
- 5. Any additional task that requires:
  - (a) specialized tooling, equipment or facilities; or
  - (b) significant coordination procedures because of the extensive duration of the tasks and the involvement of several persons.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## Appendix VIII

### limited Pilot-owner maintenance

In addition to the requirements laid down in Annex I (Part-M), the following basic principles are to be complied with before any maintenance task is carried out under the terms of Pilot-owner maintenance:

- (a) Competence and responsibility
1. The Pilot-owner is always responsible for any maintenance that he performs.
  2. Before carrying out any Pilot-owner maintenance tasks, the Pilot-owner must satisfy himself that he is competent to do the task. It is the responsibility of Pilot-owners to familiarize themselves with the standard maintenance practices for their aircraft and with the aircraft maintenance programme. If the Pilot-owner is not competent for the task to be carried out, the task cannot be released by the Pilot-owner.
  3. <sup>[F14]</sup>The Pilot-owner (or his contracted CAMO or CAO) is responsible for identifying the Pilot-owner tasks according to these basic principles in the maintenance programme and for ensuring that the document is updated in a timely manner.]
  4. The approval of the maintenance programme has to be carried out in accordance with point M.A.302.

(b) Tasks

The Pilot-owner may carry out simple visual inspections or operations to check for general condition and obvious damage and normal operation of the airframe, engines, systems and components.

Maintenance tasks shall not be carried out by the Pilot-owner when the task:

1. <sup>[F1]</sup>is a critical maintenance task]
2. requires the removal of major components or major assembly and/or;
3. is carried out in compliance with an Airworthiness Directive or an Airworthiness Limitation Item, unless specifically allowed in the AD or the ALI and/or;
4. requires the use of special tools, calibrated tools (except torque wrench and crimping tool) and/or;
5. requires the use of test equipments or special testing (e.g. NDT, system tests or operational checks for avionic equipment) and/or;
6. is composed of any unscheduled special inspections (e.g. heavy landing check) and/or;
7. is effecting systems essential for the IFR operations and/or;
8. is listed in Appendix VII to this Annex or is a component maintenance task in accordance with points M.A.502(a), (b), (c) or (d) <sup>[F31]</sup>and/or;]

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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9. [X2 . . . . .]

[F31 The criteria 1 to 9 cannot be overridden by less restrictive instructions issued in accordance with ‘M.A.302(d) Maintenance Programme’.]

Any task described in the aircraft flight manual as preparing the aircraft for flight (Example: assembling the glider wings or pre-flight), is considered to be a pilot task and is not considered a Pilot-owner maintenance task and therefore does not require a Certificate of Release to Service.

(c) Performance of the maintenance Pilot-owner tasks and records

The maintenance data as specified in point M.A.401 must be always available during the conduct of Pilot-owner maintenance and must be complied with. Details of the data referred to in the conduct of Pilot-owner maintenance must be included in the Certificate of Release to Service in accordance with point M.A.803(d).

The Pilot-owner must inform the approved continuing airworthiness management organisation responsible for the continuing airworthiness of the aircraft (if applicable) not later than 30 days after completion of the Pilot-owner maintenance task in accordance with point M.A.305(a).

## ANNEX II

### (Part-145)

#### 145.1 General

F223  
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#### Textual Amendments

**F223** Annex 2 point 145.1 omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **264(3)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## SECTION A

### TECHNICAL REQUIREMENTS

#### 145.A.10 Scope

This Section establishes the requirements to be met by an organisation to qualify for the issue or continuation of an approval for the maintenance of aircraft and components.

#### 145.A.15 Application

An application for the issue or change of an approval shall be made to the [F224 CAA] in a form and manner established by [F225 the CAA].

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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### Textual Amendments

- F224** Word in Annex 2 point 145.A.15 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **265(2)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F225** Words in Annex 2 point 145.A.15 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **265(2)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, **Sch. 5 para. 1(1)**

### 145.A.20 Terms of Approval

The organisation shall specify the scope of work deemed to constitute approval in its exposition (Appendix IV to Annex I (Part-M) contains a table of all classes and ratings).

### 145.A.25 Facility requirements

The organisation shall ensure that:

- (a) Facilities are provided appropriate for all planned work, ensuring in particular, protection from the weather elements. Specialised workshops and bays are segregated as appropriate, to ensure that environmental and work area contamination is unlikely to occur.
1. For base maintenance of aircraft, aircraft hangars are both available and large enough to accommodate aircraft on planned base maintenance;
  2. For component maintenance, component workshops are large enough to accommodate the components on planned maintenance.
- (b) Office accommodation is provided for the management of the planned work referred to in point (a), and certifying staff so that they can carry out their designated tasks in a manner that contributes to good aircraft maintenance standards.
- (c) The working environment including aircraft hangars, component workshops and office accommodation is appropriate for the task carried out and in particular special requirements observed. Unless otherwise dictated by the particular task environment, the working environment must be such that the effectiveness of personnel is not impaired:
1. temperatures must be maintained such that personnel can carry out required tasks without undue discomfort.
  2. dust and any other airborne contamination are kept to a minimum and not be permitted to reach a level in the work task area where visible aircraft/component surface contamination is evident. Where dust/other airborne contamination results in visible surface contamination, all susceptible systems are sealed until acceptable conditions are re-established.
  3. lighting is such as to ensure each inspection and maintenance task can be carried out in an effective manner.
  4. noise shall not distract personnel from carrying out inspection tasks. Where it is impractical to control the noise source, such personnel are provided with the necessary personal equipment to stop excessive noise causing distraction during inspection tasks.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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5. where a particular maintenance task requires the application of specific environmental conditions different to the foregoing, then such conditions are observed. Specific conditions are identified in the maintenance data.
  6. the working environment for line maintenance is such that the particular maintenance or inspection task can be carried out without undue distraction. Therefore where the working environment deteriorates to an unacceptable level in respect of temperature, moisture, hail, ice, snow, wind, light, dust/ other airborne contamination, the particular maintenance or inspection tasks must be suspended until satisfactory conditions are re-established.
- (d) Secure storage facilities are provided for components, equipment, tools and material. Storage conditions ensure segregation of serviceable components and material from unserviceable aircraft components, material, equipment and tools. The conditions of storage are in accordance with the manufacturer's instructions to prevent deterioration and damage of stored items. Access to storage facilities is restricted to authorised personnel.

#### 145.A.30 Personnel requirements

- (a) The organisation shall appoint an accountable manager who has corporate authority for ensuring that all maintenance required by the customer can be financed and carried out to the standard required by this Part. The accountable manager shall:
1. ensure that all necessary resources are available to accomplish maintenance in accordance with point 145.A.65(b) to support the organisation approval.
  2. establish and promote the safety and quality policy specified in point 145.A.65(a).
  3. demonstrate a basic understanding of this Annex (Part-145).
- (b) The organisation shall nominate a person or group of persons, whose responsibilities include ensuring that the organisation complies with this Part. Such person(s) shall ultimately be responsible to the accountable manager.
1. The person or persons nominated shall represent the maintenance management structure of the organisation and be responsible for all functions specified in this Part.
  2. The person or persons nominated shall be identified and their credentials submitted in a form and manner established by the [F226CAA].
  3. The person or persons nominated shall be able to demonstrate relevant knowledge, background and satisfactory experience related to aircraft or component maintenance and demonstrate a working knowledge of this Part.
  4. Procedures shall make clear who deputises for any particular person in the case of lengthy absence of the said person.
- (c) The accountable manager under point (a) shall appoint a person with responsibility for monitoring the quality system, including the associated feedback system as required by point 145.A.65(c). The appointed person shall have direct access to the accountable manager to ensure that the accountable manager is kept properly informed on quality and compliance matters.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (d) The organisation shall have a maintenance man-hour plan showing that the organisation has sufficient staff to plan, perform, supervise, inspect and quality monitor the organisation in accordance with the approval. In addition the organisation shall have a procedure to reassess work intended to be carried out when actual staff availability is less than the planned staffing level for any particular work shift or period.
- (e) <sup>F14</sup>The organisation shall establish and control the competence of personnel involved in any maintenance, airworthiness reviews, management and/or quality audits in accordance with a procedure and to a standard agreed by the <sup>F227</sup>CAA.] In addition to the necessary expertise related to the job function, competence must include an understanding of the application of human factors and human performance issues appropriate to that person's function in the organisation. 'Human factors' means principles which apply to aeronautical design, certification, training, operations and maintenance and which seek safe interface between the human and other system components by proper consideration of human performance. 'Human performance' means human capabilities and limitations which have an impact on the safety and efficiency of aeronautical operations.
- (f) <sup>F24</sup>The organisation shall ensure that personnel who carry out or control a continued-airworthiness non-destructive test of aircraft structures or components, or both, are appropriately qualified for the particular non-destructive test in accordance with the European or equivalent standard recognised by the <sup>F228</sup>CAA]. Personnel who carry out any other specialised task shall be appropriately qualified in accordance with officially recognised standards. By derogation from this point, personnel referred to in point (g), points (h)(1) and (h)(2), qualified in category B1, B3 or L in accordance with Annex III (Part-66), may carry out and/or control colour contrast dye penetrant tests.
- (g) Any organisation maintaining aircraft, except where stated otherwise in point (j), shall in the case of aircraft line maintenance, have appropriate aircraft-rated certifying staff qualified as category B1, B2, B2L, B3 and L, as appropriate, in accordance with Annex III (Part-66) and point 145.A.35.
- In addition such organisations may also use appropriately task-trained certifying staff holding the privileges set out in points 66.A.20(a)(1) and 66.A.20(a)(3)(ii) and qualified in accordance with Annex III (Part-66) and point 145.A.35 to carry out minor scheduled line maintenance and simple defect rectification. The availability of such certifying staff shall not replace the need for category B1, B2, B2L, B3 and L certifying staff, as appropriate.
- (h) Any organisation maintaining aircraft, except where stated otherwise in point (j), shall:
1. in the case of base maintenance of complex motor-powered aircraft, have appropriate aircraft-type-rated certifying staff, qualified as category C in accordance with Annex III (Part-66) and point 145.A.35. In addition, the organisation shall have sufficient aircraft-type-rated staff qualified as category B1 and B2, as appropriate, in accordance with Annex III (Part-66) and point 145.A.35 to support the category C certifying staff.
    - (i) Category B1 and B2 support staff shall ensure that all relevant tasks or inspections have been carried out to the required standard before the category C certifying staff issues the certificate of release to service.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (ii) The organisation shall maintain a register of any such category B1 and B2 support staff.
  - (iii) The category C certifying staff shall ensure that compliance with point (i) has been met and that all work required by the customer has been accomplished during the particular base maintenance check or work package, and shall also assess the impact of any work not carried out, with a view to either requiring its accomplishment or agreeing with the operator to defer such work to another specified check or time limit.
2. in the case of base maintenance of aircraft other than complex motor-powered aircraft, have one of the following:
- (i) appropriate aircraft-rated certifying staff, qualified as category B1, B2, B2L, B3 and L, as appropriate, in accordance with Annex III (Part-66) and point 145.A.35;
  - (ii) appropriate aircraft-rated certifying staff, qualified in category C and assisted by support staff, as set out in point 145.A.35(a)(i).
- (i) Component certifying staff shall be qualified in accordance with Article 5(6) and point 145.A.35.]
- (j) By derogation to points (g) and (h), in relation to the obligation to comply with Annex III (Part-66), the organisation may use certifying staff qualified in accordance with the following provisions:
1. For organisation facilities located outside the [<sup>F229</sup>United Kingdom] certifying staff may be qualified in accordance with the national aviation regulations of the State in which the organisation facility is registered subject to the conditions specified in Appendix IV to this Part.
  2. For line maintenance carried out at a line station of an organisation which is located outside the [<sup>F229</sup>United Kingdom], the certifying staff may be qualified in accordance with the national aviation regulations of the State in which the line station is based, subject to the conditions specified in Appendix IV to this Part.
  3. For a repetitive pre-flight airworthiness directive which specifically states that the flight crew may carry out such airworthiness directive, the organisation may issue a limited certification authorisation to the aircraft commander and/or the flight engineer on the basis of the flight crew licence held. However, the organisation shall ensure that sufficient practical training has been carried out to ensure that such aircraft commander or flight engineer can accomplish the airworthiness directive to the required standard.
  4. In the case of aircraft operating away from a supported location the organisation may issue a limited certification authorisation to the commander and/or the flight engineer on the basis of the flight crew licence held subject to being satisfied that sufficient practical training has been carried out to ensure that the commander or flight engineer can accomplish the specified task to the required standard. The provisions of this point shall be detailed in an exposition procedure.



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**Changes to legislation:** *There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes*

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5. In the following unforeseen cases, where an aircraft is grounded at a location other than the main base where no appropriate certifying staff are available, the organisation contracted to provide maintenance support may issue a one-off certification authorisation:
- (i) to one of its employees holding equivalent type authorisations on aircraft of similar technology, construction and systems; or
  - (ii) to any person with not less than five years maintenance experience and holding a valid ICAO aircraft maintenance licence rated for the aircraft type requiring certification provided there is no organisation appropriately approved under this Part at that location and the contracted organisation obtains and holds on file evidence of the experience and the licence of that person.

[<sup>F31</sup>All such cases as specified in this point must be reported to the [<sup>F230</sup>CAA] within seven days after issuing such certification authorisation.] The organisation issuing the one-off authorisation shall ensure that any such maintenance that could affect flight safety is re-checked by an appropriately approved organisation.

- (k) [<sup>F8</sup>[<sup>F14</sup>If the organisation performs airworthiness reviews and issues the corresponding airworthiness review certificate in accordance with point ML.A.903 of Annex Vb (Part-ML), it shall have airworthiness review staff qualified and authorised and meeting all of the following requirements:
1. shall hold a certifying staff authorisation for the corresponding aircraft;
  2. shall have at least three years of experience as certifying staff;
  3. shall be independent from the continuing airworthiness management process of the aircraft being reviewed or shall have overall authority on the continuing airworthiness management process of the complete aircraft being reviewed;
  4. shall have acquired knowledge of Subpart C of this Annex (Part-M) or Subpart C of Annex Vb (Part-ML);
  5. shall have acquired proven knowledge of the procedures of the maintenance organisation relevant to the airworthiness review and issue of the airworthiness review certificate;
  6. shall have been formally accepted by the [<sup>F231</sup>CAA] after having performed an airworthiness review under the supervision of the [<sup>F231</sup>CAA] or under the supervision of the organisation's airworthiness review staff in accordance with a procedure approved by the [<sup>F231</sup>CAA];
  7. shall have performed at least one airworthiness review in the last twelve-month period.]]

(l) x2 ...

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

- F226** Word in Annex 2 point 145.A.30(b)(2) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **265(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F227** Word in Annex 2 point 145.A.30(e) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **265(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F228** Word in Annex 2 point 145.A.30(f) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **265(3)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F229** Words in Annex 2 point 145.A.30(j)(1) and (2) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **265(3)(c)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F230** Word in Annex 2 point 145.A.30(j)(5) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **265(3)(c)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F231** Word in Annex 2 point 145.A.30(k)(6) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **265(3)(d)** (as inserted by S.I. 2020/1116, regs. 1(3), **25**); 2020 c. 1, **Sch. 5 para. 1(1)**

### 145.A.35 Certifying staff and support staff

- (a) <sup>[F24]</sup>In addition to the requirements of points 145.A.30(g) and (h), the organisation shall ensure that certifying staff and support staff have an adequate understanding of the relevant aircraft or components, or both, to be maintained and of the associated organisation procedures. In the case of certifying staff, this shall be accomplished before the issue or reissue of the certification authorisation.
1. ‘ Support staff ’ means those staff holding an aircraft maintenance licence under Annex III (Part-66) in category B1, B2, B2L, B3 and/or L with the appropriate aircraft ratings, working in a base maintenance environment while not necessarily holding certification privileges.
  2. ‘ Relevant aircraft and/or components ’, means those aircraft or components specified in the particular certification authorisation.
  3. ‘ Certification authorisation ’ means the authorisation issued to certifying staff by the organisation and which specifies the fact that those staff may sign certificates of release to service within the limitations stated in such authorisation on behalf of the approved organisation.
- (b) Except for the cases listed in points 145.A.30(j) and 66.A.20(a)3(ii), the organisation may only issue a certification authorisation to certifying staff in relation to the basic categories or subcategories and, except for the category A licence, any type rating listed on the aircraft maintenance licence as required by Annex III (Part-66), subject to the licence remaining valid throughout the validity period of the authorisation and to the certifying staff remaining in compliance with Annex III (Part-66).]
- (c) The organisation shall ensure that all certifying staff and support staff are involved in at least 6 months of actual relevant aircraft or component maintenance experience in any consecutive 2-year period.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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For the purpose of this point ‘involved in actual relevant aircraft or component maintenance’ means that the person has worked in an aircraft or component maintenance environment and has either exercised the privileges of the certification authorisation and/or has actually carried out maintenance on at least some of the aircraft type or aircraft group systems specified in the particular certification authorisation.

- (d) The organisation shall ensure that all certifying staff and support staff receive sufficient continuation training in each two year period to ensure that such staff have up-to-date knowledge of relevant technology, organisation procedures and human factor issues.
- (e) The organisation shall establish a programme for continuation training for certifying staff and support staff, including a procedure to ensure compliance with the relevant points of 145.A.35 as the basis for issuing certification authorisations under this Part to certifying staff, and a procedure to ensure compliance with Annex III (Part-66).
- (f) Except where any of the unforeseen cases of point 145.A.30(j)(5) apply, the organisation shall assess all prospective certifying staff for their competence, qualification and capability to carry out their intended certifying duties in accordance with a procedure as specified in the exposition prior to the issue or re-issue of a certification authorisation under this Part.
- (g) When the conditions of points (a), (b), (d), (f) and, where applicable, point (c) have been fulfilled by the certifying staff, the organisation shall issue a certification authorisation that clearly specifies the scope and limits of such authorisation. Continued validity of the certification authorisation is dependent upon continued compliance with points (a), (b), (d), and where applicable, (c).
- (h) The certification authorisation must be in a style that makes its scope clear to the certifying staff and any authorised person who may require to examine the authorisation. Where codes are used to define scope, the organisation shall make a code translation readily available. ‘Authorised person’ means the officials of the [F<sup>232</sup>CAA] who has responsibility for the oversight of the maintained aircraft or component.
- (i) The person responsible for the quality system shall also remain responsible on behalf of the organisation for issuing certification authorisations to certifying staff. Such person may nominate other persons to actually issue or revoke the certification authorisations in accordance with a procedure as specified in the exposition.
- (j) The organisation shall maintain a record of all certifying staff and support staff, which shall contain:
  - 1. the details of any aircraft maintenance licence held under Annex III (Part-66); and
  - 2. all relevant training completed; and
  - 3. the scope of the certification authorisations issued, where relevant; and
  - 4. particulars of staff with limited or one-off certification authorisations.

The organisation shall retain the record for at least three years after the staff referred to in this point have ceased employment with the organisation or as soon as the authorisation has been withdrawn. In addition, upon request, the maintenance

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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organisation shall furnish the staff referred to in this point with a copy of their personal record on leaving the organisation.

The staff referred to in this point shall be given access on request to their personal records as detailed above.

- (k) The organisation shall provide certifying staff with a copy of their certification authorisation in either a documented or electronic format.
- (l) Certifying staff shall produce their certification authorisation to any authorised person within 24 hours.
- (m) The minimum age for certifying staff and support staff is 21 years.
- (n) The holder of a category A aircraft maintenance licence may only exercise certification privileges on a specific aircraft type following the satisfactory completion of the relevant category A aircraft task training carried out by an organisation appropriately approved in accordance with Annex II (Part-145) or Annex IV (Part-147). This training shall include practical hands on training and theoretical training as appropriate for each task authorised. Satisfactory completion of training shall be demonstrated by an examination or by workplace assessment carried out by the organisation.
- (o) The holder of a category B2 aircraft maintenance licence may only exercise the certification privileges described in point 66.A.20(a)(3)(ii) of Annex III (Part-66) following the satisfactory completion of (i) the relevant category A aircraft task training and (ii) 6 months of documented practical experience covering the scope of the authorisation that will be issued. The task training shall include practical hands on training and theoretical training as appropriate for each task authorised. Satisfactory completion of training shall be demonstrated by an examination or by workplace assessment. Task training and examination/assessment shall be carried out by the maintenance organisation issuing the certifying staff authorisation. The practical experience shall be also obtained within such maintenance organisation.

#### Textual Amendments

**F232** Word in [Annex 2 point 145.A.35\(h\)](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **265(4)** (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, [Sch. 5 para. 1\(1\)](#))

#### [<sup>F8</sup>145.A.36] **Records of airworthiness review staff**

The organisation shall record all details concerning the airworthiness review staff and maintain a current list of all the airworthiness review staff together with their scope of approval as part of the organisation's exposition pursuant to point 145.A.70(a)6.

The organisation shall retain the record for at least three years after the staff referred to in this point have ceased employment (or engagement as a contractor or volunteer) with the organisation or as soon as the authorisation has been withdrawn. In addition, upon request, the maintenance organisation shall provide the staff referred to in this point with a copy of their personal record on leaving the organisation.

The staff referred to in this point shall be given access on request to their personal records.]

#### [<sup>F24</sup>145.A.37] **Equipment and tools**

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (a) <sup>F24</sup>The organisation shall have available and use the necessary equipment and tools to perform the approved scope of work.
- (i) Where the manufacturer specifies a particular tool or equipment, the organisation shall use that tool or equipment, unless the use of alternative tooling or equipment is agreed by the <sup>F233</sup>CAA] via procedures specified in the exposition.
  - (ii) Equipment and tools must be permanently available, except in the case of any tool or equipment that is so infrequently used that its permanent availability is not necessary. Such cases shall be detailed in an exposition procedure.
  - (iii) An organisation approved for base maintenance shall have sufficient aircraft access equipment and inspection platforms/docking as required for the proper inspection of the aircraft.]
- (b) The organisation shall ensure that all tools, equipment and particularly test equipment, as appropriate, are controlled and calibrated according to an officially recognised standard at a frequency to ensure serviceability and accuracy. Records of such calibrations and traceability to the standard used shall be kept by the organisation.

#### Textual Amendments

**F233** Word in Annex 2 point 145.A.40(a)(i) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **265(5)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### <sup>F24</sup>145.A.40 Components

- (a) Classification of components. All components shall be classified into the following categories:
- (i) Components which are in a satisfactory condition, released on <sup>F234</sup>a CAA Form 1] or equivalent and marked in accordance with Subpart Q of the Annex I (Part 21) to Regulation (EU) No 748/2012, unless otherwise specified in Annex I (Part 21) to Regulation (EU) No 748/2012 or in this Annex II (Part 145).
  - (ii) Unserviceable components which shall be maintained in accordance with this Regulation.
  - (iii) <sup>F12</sup><sup>X1</sup>Components categorised as unsalvageable because they have reached their mandatory life limitation or contain a non-repairable defect.]]
  - (iv) Standard parts used on an aircraft, engine, propeller or other aircraft component when specified in the maintenance data and accompanied by evidence of conformity traceable to the applicable standard.
  - (v) Material, both raw and consumable, used in the course of maintenance when the organisation is satisfied that the material meets the required specification and has appropriate traceability. All material shall be accompanied by documentation clearly relating to the particular material and containing a conformity to specification statement as well as the manufacturing and supplier source.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (b) Components, standard parts and materials for installation
- (i) The organisation shall establish procedures for the acceptance of components, standard parts and materials for installation to ensure that components, standard parts and materials are in satisfactory condition and meet the applicable requirements of point (a).
  - (ii) The organisation shall establish procedures to ensure that components, standard parts and materials shall only be installed on an aircraft or a component when they are in satisfactory condition, meet the applicable requirements of point (a) and the applicable maintenance data specifies the particular component, standard part or material.
  - (iii) The organisation may fabricate a restricted range of parts to be used in the course of undergoing work within its own facilities, provided procedures are identified in the exposition.
  - (iv) Components referred to in point 21.A.307(c) of the Annex I (Part 21) to Regulation (EU) No 748/2012 shall only be installed if considered eligible for installation by the aircraft owner on its own aircraft.
- (c) Segregation of components
- (i) Unserviceable and unsalvageable components shall be segregated from serviceable components, standards parts and materials.
  - (ii) [F12[X1Unsalvageable components shall not be permitted to re-enter the component supply system, unless mandatory life limitation have been extended or a repair solution has been approved in accordance with Regulation (EU) No 748/2012.]]

#### Textual Amendments

**F234** Words in Annex 2 point 145.A.42(a)(i) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **265(6)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 145.A.45 Maintenance data

- (a) The organisation shall hold and use applicable current maintenance data in the performance of maintenance, including modifications and repairs. ‘Applicable’ means relevant to any aircraft, component or process specified in the organisation's approval class rating schedule and in any associated capability list.
- In the case of maintenance data provided by an operator or customer, the organisation shall hold such data when the work is in progress, with the exception of the need to comply with point 145.A.55(c).
- (b) For the purposes of this Part, applicable maintenance data shall be any of the following:
1. Any applicable requirement, procedure, operational directive or information issued by the authority responsible for the oversight of the aircraft or component;
  2. Any applicable airworthiness directive issued by the authority responsible for the oversight of the aircraft or component;

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3. Instructions for continuing airworthiness, issued by type certificate holders, supplementary type certificate holders, any other organisation required to publish such data by Annex I (Part-21) to Regulation (EU) No 748/2012 and in the case of aircraft or components from third countries the airworthiness data mandated by the authority responsible for the oversight of the aircraft or component;
  4. Any applicable standard, such as but not limited to, maintenance standard practices recognised by the [<sup>F235</sup>CAA] as a good standard for maintenance;
  5. Any applicable data issued in accordance with point (d).
- (c) The organisation shall establish procedures to ensure that if found, any inaccurate, incomplete or ambiguous procedure, practice, information or maintenance instruction contained in the maintenance data used by maintenance personnel is recorded and notified to the author of the maintenance data.
- (d) The organisation may only modify maintenance instructions in accordance with a procedure specified in the maintenance organisation's exposition. With respect to those changes, the organisation shall demonstrate that they result in equivalent or improved maintenance standards and shall inform the type-certificate holder of such changes. Maintenance instructions for the purposes of this point means instructions on how to carry out the particular maintenance task: they exclude the engineering design of repairs and modifications.
- (e) The organisation shall provide a common work card or worksheet system to be used throughout relevant parts of the organisation. In addition, the organisation shall either transcribe accurately the maintenance data contained in points (b) and (d) onto such work cards or worksheets or make precise reference to the particular maintenance task or tasks contained in such maintenance data. Work cards and worksheets may be computer generated and held on an electronic database subject to both adequate safeguards against unauthorised alteration and a back-up electronic database which shall be updated within 24 hours of any entry made to the main electronic database. Complex maintenance tasks shall be transcribed onto the work cards or worksheets and subdivided into clear stages to ensure a record of the accomplishment of the complete maintenance task.
- Where the organisation provides a maintenance service to an aircraft operator who requires their work card or worksheet system to be used then such work card or worksheet system may be used. In this case, the organisation shall establish a procedure to ensure correct completion of the aircraft operators' work cards or worksheets.
- (f) The organisation shall ensure that all applicable maintenance data is readily available for use when required by maintenance personnel.
- (g) The organisation shall establish a procedure to ensure that maintenance data it controls is kept up to date. In the case of operator/customer controlled and provided maintenance data, the organisation shall be able to show that either it has written confirmation from the operator/customer that all such maintenance data is up to date or it has work orders specifying the amendment status of the maintenance data to be used or it can show that it is on the operator/customer maintenance data amendment list.

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### Textual Amendments

**F235** Word in Annex 2 point 145.A.45(b)(4) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **265(7)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### 145.A.47 Production planning

- (a) The organisation shall have a system appropriate to the amount and complexity of work to plan the availability of all necessary personnel, tools, equipment, material, maintenance data and facilities in order to ensure the safe completion of the maintenance work.
- (b) The planning of maintenance tasks, and the organising of shifts, shall take into account human performance limitations.
- (c) When it is required to hand over the continuation or completion of maintenance tasks for reasons of a shift or personnel changeover, relevant information shall be adequately communicated between outgoing and incoming personnel.

### [<sup>F9</sup>145.A.48 Performance of maintenance

The organisation shall establish procedures to ensure that:

- (a) after completion of maintenance a general verification is carried out to ensure that the aircraft or component is clear of all tools, equipment and any extraneous parts or material, and that all access panels removed have been refitted;
- (b) an error capturing method is implemented after the performance of any critical maintenance task;
- (c) the risk of multiple errors during maintenance and the risk of errors being repeated in identical maintenance tasks are minimised; and,
- (d) [<sup>F14</sup>damage is assessed and modifications and repairs are carried out using data specified in point M.A.304 of Annex I (Part-M) or ML.A.304 of Annex Vb (Part-ML), as applicable.]]

### 145.A.50 Certification of maintenance

- (a) A certificate of release to service shall be issued by appropriately authorised certifying staff on behalf of the organisation when it has been verified that all maintenance ordered has been properly carried out by the organisation in accordance with the procedures specified in point 145.A.70, taking into account the availability and use of the maintenance data specified in point 145.A.45 and that there are no non-compliances which are known to endanger flight safety.
- (b) A certificate of release to service shall be issued before flight at the completion of any maintenance.
- (c) New defects or incomplete maintenance work orders identified during the above maintenance shall be brought to the attention of the aircraft operator for the specific purpose of obtaining agreement to rectify such defects or completing the missing elements of the maintenance work order. In the case where the aircraft operator declines to have such maintenance carried out under this point, point (e) is applicable.



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- (d) <sup>[F12]</sup><sup>[X1]</sup>A certificate of release to service shall be issued after the required maintenance on a component whilst off the aircraft has been carried out. <sup>[F14]</sup>The authorised release certificate ‘<sup>[F236]</sup>CAA Form 1]’ referred to in Appendix II of Annex I (Part M) constitutes the component certificate of release to service except if otherwise specified in point M.A.502 of Annex I (Part-M) or ML.A.502 of Annex Vb (Part-ML), as applicable.] When an organisation maintains a component for its own use, <sup>[F237]</sup>a CAA Form 1] may not be necessary depending upon the organisation's internal release procedures defined in the exposition.]]
- (e) By derogation to point (a), when the organisation is unable to complete all maintenance ordered, it may issue a certificate of release to service within the approved aircraft limitations. The organisation shall enter such fact in the aircraft certificate of release to service before the issue of such certificate.
- (f) By derogation to points (a) and 145.A.42, when an aircraft is grounded at a location other than the main line station or main maintenance base due to the non-availability of a component with the appropriate release certificate, it is permissible to temporarily fit a component without the appropriate release certificate for a maximum of 30 flight hours or until the aircraft first returns to the main line station or main maintenance base, whichever is the sooner, subject to the aircraft operator agreement and said component having a suitable release certificate but otherwise in compliance with all applicable maintenance and operational requirements. Such components shall be removed by the above prescribed time limit unless an appropriate release certificate has been obtained in the meantime under points (a) and 145.A.42.

#### Textual Amendments

**F236** Words in [Annex 2 point 145.A.50\(d\)](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), [regs. 1, 265\(8\)\(a\)](#) (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), [regs. 1\(3\), 12](#)); 2020 c. 1, [Sch. 5 para. 1\(1\)](#)

**F237** Words in [Annex 2 point 145.A.50\(d\)](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), [regs. 1, 265\(8\)\(b\)](#) (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), [regs. 1\(3\), 12](#)); 2020 c. 1, [Sch. 5 para. 1\(1\)](#)

#### <sup>[F31]</sup>145.A.55 **Maintenance and airworthiness review records]**

- (a) <sup>[F14]</sup>The organisation shall record all details of maintenance work carried out. As a minimum, the organisation shall retain records necessary to prove that all requirements have been met for the issue of the certificate of release to service, including subcontractor's release documents, and for the issue of any airworthiness review certificate.
- (b) The organisation shall provide a copy of each certificate of release to service to the aircraft owner or operator, together with a copy of any detailed maintenance record associated with the work carried out and necessary to demonstrate compliance with point M.A.305 of Annex I (Part-M) or ML.A.305 of Annex Vb (Part-ML), as applicable.]
- (c) <sup>[F12]</sup><sup>[X1]</sup><sup>[F14]</sup>The organisation shall retain a copy of all detailed maintenance records and any associated maintenance data for three years from the date on which the aircraft or component to which the work relates was issued with a certificate of release to service. In addition, it shall retain a copy of all the records related to the issue of airworthiness

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review certificates for three years from the date of issue and shall provide a copy of them to the owner of the aircraft.]

1. The records under this point shall be stored in a manner that ensures protection from damage, alteration and theft.
2. All computer hardware used to ensure backup shall be stored in a different location from that containing the working data in an environment that ensures they remain in good condition.
3. When an organisation approved under this Annex terminates its operations, all retained maintenance records from the period of three years preceding the termination of operations of the organisation shall be distributed to the last owner or customer of respective aircraft or component or shall be stored in a way specified by the [<sup>F238</sup>CAA].]

#### Textual Amendments

**F238** Word in Annex 2 point 145.A.55 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 265(9) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 145.A.60 Occurrence reporting

- (a) The organisation shall report to the [<sup>F239</sup>CAA], the state of registry and the organisation responsible for the design of the aircraft or component any condition of the aircraft or component identified by the organisation that has resulted or may result in an unsafe condition that hazards seriously the flight safety.
- (b) The organisation shall establish an internal occurrence reporting system as detailed in the exposition to enable the collection and evaluation of such reports, including the assessment and extraction of those occurrences to be reported under point (a). This procedure shall identify adverse trends, corrective actions taken or to be taken by the organisation to address deficiencies and include evaluation of all known relevant information relating to such occurrences and a method to circulate the information as necessary.
- (c) The organisation shall make such reports in a form and manner established by the Agency and ensure that they contain all pertinent information about the condition and evaluation results known to the organisation.
- (d) Where the organisation is contracted by a commercial operator to carry out maintenance, the organisation shall also report to the operator any such condition affecting the operator's aircraft or component.
- (e) The organisation shall produce and submit such reports as soon as practicable but in any case within 72 hours of the organisation identifying the condition to which the report relates.

#### Textual Amendments

**F239** Word in Annex 2 point 145.A.60 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 265(9) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

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#### 145.A.65 Safety and quality policy, maintenance procedures and quality system

- (a) The organisation shall establish a safety and quality policy for the organisation to be included in the exposition under point 145.A.70.
- (b) <sup>[F1]</sup>The organisation shall establish procedures agreed by the <sup>[F240]</sup>CAA taking into account human factors and human performance to ensure good maintenance practices and compliance with the applicable requirements established in 145.A.25 to 145.A.95. The procedures under this point shall:
1. ensure that a clear work order or contract has been agreed between the organisation and the organisation requesting maintenance to clearly establish the maintenance to be carried out so that aircraft and components may be released to service in accordance with 145.A.50; and,
  2. cover all aspects of carrying out maintenance, including the provision and control of specialised services and lay down the standards to which the organisation intends to work.]
- (c) The organisation shall establish a quality system that includes the following:
1. Independent audits in order to monitor compliance with required aircraft/ aircraft component standards and adequacy of the procedures to ensure that such procedures invoke good maintenance practices and airworthy aircraft/ aircraft components. In the smallest organisations the independent audit part of the quality system may be contracted to another organisation approved under this Part or a person with appropriate technical knowledge and proven satisfactory audit experience; and
  2. A quality feedback reporting system to the person or group of persons specified in point 145.A.30(b) and ultimately to the accountable manager that ensures proper and timely corrective action is taken in response to reports resulting from the independent audits established to meet point (1).

#### Textual Amendments

**F240** Word in Annex 2 point 145.A.65 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **265(9)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 145.A.70 Maintenance organisation exposition

- (a) ‘Maintenance organisation exposition’ means the document or documents that contain the material specifying the scope of work deemed to constitute approval and showing how the organisation intends to comply with this Annex (Part-145). The organisation shall provide the <sup>[F241]</sup>CAA with a maintenance organisation exposition, containing the following information:
1. A statement signed by the accountable manager confirming that the maintenance organisation exposition and any referenced associated manuals define the organisation's compliance with this Annex (Part-145) and will be complied with at all times. When the accountable manager is not the chief executive officer of the organisation then such chief executive officer shall countersign the statement;

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2. the organisation's safety and quality policy as specified by point 145.A.65;
  3. the title(s) and name(s) of the persons nominated under point 145.A.30(b);
  4. the duties and responsibilities of the persons nominated under point 145.A.30(b), including matters on which they may deal directly with the [F241CAA] on behalf of the organisation;
  5. an organisation chart showing associated chains of responsibility between the persons nominated under point 145.A.30(b);
  6. [F12[X1a list of certifying staff, support staff and, if applicable, airworthiness review staff, with their scope of approval;]]
  7. a general description of manpower resources;
  8. a general description of the facilities located at each address specified in the organisation's approval certificate;
  9. a specification of the organisation's scope of work relevant to the extent of approval;
  10. the notification procedure of point 145.A.85 for organisation changes;
  11. the maintenance organisation exposition amendment procedure;
  12. [F14the procedures and quality system established by the organisation under points 145.A.25 to 145.A.90 of this Annex (Part-145) and any additional procedure followed in accordance with Annex I (Part-M) and Annex Vb (Part-ML) as applicable;]
  13. a list of commercial operators, where applicable, to which the organisation provides an aircraft maintenance service;
  14. a list of subcontracted organisations, where applicable, as specified in point 145.A.75(b);
  15. a list of line stations, where applicable, as specified in point 145.A.75(d);
  16. a list of contracted organisations, where applicable.
- (b) The exposition shall be amended as necessary to remain an up-to-date description of the organisation The exposition and any subsequent amendment shall be approved by the [F241CAA].
- (c) Notwithstanding point (b) minor amendments to the exposition may be approved through an exposition procedure (hereinafter called indirect approval).

#### Textual Amendments

**F241** Word in Annex 2 point 145.A.70 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 265(9) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 145.A.75 Privileges of the organisation

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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In accordance with the exposition, the organisation shall be entitled to carry out the following tasks:

- (a) Maintain any aircraft and/or component for which it is approved at the locations identified in the approval certificate and in the exposition;
- (b) Arrange for maintenance of any aircraft or component for which it is approved at another organisation that is working under the quality system of the organisation. This refers to work being carried out by an organisation not itself appropriately approved to carry out such maintenance under this Part and is limited to the work scope permitted under procedures laid down in point 145.A.65(b). This work scope shall not include a base maintenance check of an aircraft or a complete workshop maintenance check or overhaul of an engine or engine module;
- (c) Maintain any aircraft or any component for which it is approved at any location subject to the need for such maintenance arising either from the unserviceability of the aircraft or from the necessity of supporting occasional line maintenance, subject to the conditions specified in the exposition;
- (d) Maintain any aircraft and/or component for which it is approved at a location identified as a line maintenance location capable of supporting minor maintenance and only if the organisation exposition both permits such activity and lists such locations;
- (e) Issue certificates of release to service in respect of completion of maintenance in accordance with point 145.A.50<sup>[F31]</sup>;
- (f) <sup>[F12]</sup><sup>[X1]</sup>If specifically approved to do so for aircraft covered by Annex Vb (Part-ML), it may perform airworthiness reviews and issue the corresponding airworthiness review certificate in accordance with the conditions specified in point ML.A.903 of Annex Vb (Part-ML) to this Regulation;]]
- (g) <sup>x2</sup> ...

#### 145.A.80 Limitations on the organisation

The organisation shall only maintain an aircraft or component for which it is approved when all the necessary facilities, equipment, tooling, material, maintenance data and certifying staff are available.

#### 145.A.85 Changes to the organisation

The organisation shall notify the <sup>[F242]</sup>CAA of any proposal to carry out any of the following changes before such changes take place to enable the <sup>[F242]</sup>CAA to determine continued compliance with this Part and to amend, if necessary, the approval certificate, except that in the case of proposed changes in personnel not known to the management beforehand, these changes must be notified at the earliest opportunity:

##### Textual Amendments

**F242** Word in Annex 2 point 145.A.85 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **265(9)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

1. the name of the organisation;
2. the main location of the organisation;

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3. additional locations of the organisation;
4. the accountable manager;
5. any of the persons nominated under point 145.A.30(b);
6. [<sup>F31</sup>the facilities, equipment, tools, material, procedures, work scope, certifying staff and airworthiness review staff that could affect the approval.]

#### 145.A.90 Continued validity

- (a) An approval shall be issued for an unlimited duration. It shall remain valid subject to:
  1. the organisation remaining in compliance with Annex II (Part-145), in accordance with the provisions related to the handling of findings as specified under point 145.B.50; and
  2. the [<sup>F243</sup>CAA] being granted access to the organisation to determine continued compliance with this Part; and
  3. the certificate not being surrendered or revoked.
- (b) Upon surrender or revocation, the approval shall be returned to the [<sup>F243</sup>CAA].

#### Textual Amendments

**F243** Word in Annex 2 point 145.A.90 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 265(9) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 145.A.95 Findings

- (a) [<sup>F12</sup>[<sup>X1</sup>A level 1 finding is any finding of significant non-compliance with the requirements of this Annex which lowers the safety standard and seriously endangers flight safety.
- (b) A level 2 finding is any finding of non-compliance with the requirements of this Annex which may lower the safety standard and may endanger flight safety.]]
- (c) After receipt of notification of findings according to point 145.B.50, the holder of the maintenance organisation approval shall define a corrective action plan and demonstrate corrective action to the satisfaction of the [<sup>F244</sup>CAA] within a period agreed with this authority.

#### Textual Amendments

**F244** Word in Annex 2 point 145.A.95 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 265(9) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## SECTION B

### PROCEDURE FOR [F245CAA]

#### 145.B.01 Scope

This section establishes the administrative procedures which the [F246CAA] shall follow when exercising its tasks and responsibilities regarding issuance, continuation, change, suspension or revocation of approvals of maintenance organisations under this Annex (Part-145).

##### Textual Amendments

**F246** Word in Annex 2 point 145.B.01 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(3) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 145.B.10 [F247CAA]

##### 1. General

[F248The CAA] shall establish documented procedures and an organisational structure.

##### Textual Amendments

**F248** Words in Annex 2 point 145.B.10(1) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(4)(b) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

##### 2. Resources

The number of staff must be appropriate to carry out the requirements as detailed in this section.

##### 3. Qualification and training

All staff involved in approvals under this Annex (Part-145) must:

- (a) be appropriately qualified and have all necessary knowledge, experience and training to perform their allocated tasks.
- (b) have received training/continuation training on this Annex (Part-145) where relevant, including its intended meaning and standard.

##### 4. Procedures

The [F249CAA] shall establish procedures detailing how compliance with this Section B is accomplished.

##### Textual Amendments

**F249** Word in Annex 2 point 145.B.10(4) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(4)(c) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

The procedures must be reviewed and amended to ensure continued compliance.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F247** Word in Annex 2 point 145.B.10 heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **266(4)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### 145.B.15 Organisations located in several Member States

F250  
...

#### Textual Amendments

**F250** Annex 2 point 145.B.15 omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **266(5)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### 145.B.20 Initial approval

1. Provided the requirements of points 145.A.30(a) and (b) are complied with, the [F<sup>251</sup>CAA] shall formally indicate its acceptance of the personnel, specified in points 145.A.30(a) and (b), to the applicant in writing.
2. The [F<sup>251</sup>CAA] shall verify that the procedures specified in the maintenance organisation exposition comply with this Annex (Part-145) and verify that the accountable manager signs the commitment statement.
3. The [F<sup>251</sup>CAA] shall verify that the organisation is in compliance with the requirements of this Annex (Part-145).
4. A meeting with the accountable manager shall be convened at least once during the investigation for approval to ensure that he/she fully understands the significance of the approval and the reason for signing the exposition commitment of the organisation to compliance with the procedures specified in the exposition.
5. All findings must be confirmed in writing to the organisation.
6. The [F<sup>251</sup>CAA] shall record all findings, closure actions (actions required to close a finding) and recommendations
7. For initial approval all findings must be corrected before the approval can be issued.

#### Textual Amendments

**F251** Word in Annex 2 point 145.B.20 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **266(6)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### 145.B.25 Issue of approval

1. The [F<sup>252</sup>CAA] shall formally approve the exposition and issue to the applicant a Form 3 approval certificate, which includes the approval ratings. The [F<sup>252</sup>CAA] shall only issue a certificate when the organisation is in compliance with this Annex (Part-145).



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

2. The [F253CAA] shall indicate the conditions of the approval on the Form 3 approval certificate.
3. The reference number shall be included on the Form 3 approval certificate in a manner specified by the [F254CAA].

#### Textual Amendments

- F252** Word in Annex 2 point 145.B.25(1) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(7)(a) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F253** Word in Annex 2 point 145.B.25(2) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(7)(a) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F254** Word in Annex 2 point 145.B.25(3) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(7)(b) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 145.B.30 Continuation of an approval

The continuation of an approval shall be monitored in accordance with the applicable ‘initial approval’ process under point 145.B.20. In addition:

1. The [F255CAA] shall keep and update a program listing the approved maintenance organisations under its supervision, the dates when audit visits are due and when such visits were carried out.
2. Each organisation must be completely reviewed for compliance with this Annex (Part-145) at periods not exceeding 24 months.
3. A meeting with the accountable manager shall be convened at least once every 24 months to ensure he/she remains informed of significant issues arising during audits.

#### Textual Amendments

- F255** Word in Annex 2 point 145.B.30 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(8) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 145.B.35 Changes

1. The [F256CAA] shall receive notification from the organisation of any proposed change as listed in point 145.A.85.  
  
The [F256CAA] shall comply with the applicable elements of the initial process points for any change to the organisation.
2. The [F256CAA] may prescribe the conditions under which organisation may operate during such changes unless it determines that the approval should be suspended.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F256** Word in Annex 2 point 145.B.35 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(8) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 145.B.40 Changes to the Maintenance Organisation Exposition

For any change to the Maintenance Organisation Exposition (MOE):

1. In the case of direct approval of the changes in accordance with point 145.A.70(b), the [F257CAA] shall verify that the procedures specified in the exposition are in compliance with Annex II (Part-145) before formally notifying the approved organisation of the approval.
2. In the case an indirect approval procedure is used for the approval of the changes in accordance with point 145.A.70(c), the [F257CAA] shall ensure (i) that the changes remain minor and (ii) that it has an adequate control over the approval of the changes to ensure they remain in compliance with the requirements of Annex II (Part-145).

#### Textual Amendments

**F257** Word in Annex 2 point 145.B.40 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(8) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 145.B.45 Revocation, suspension and limitation of approval

The [F258CAA] shall:

#### Textual Amendments

**F258** Word in Annex 2 point 145.B.45 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(8) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

- (a) suspend an approval on reasonable grounds in the case of potential safety threat; or
- (b) suspend, revoke or limit an approval pursuant to point 145.B.50.

#### 145.B.50 Findings

- (a) When during audits or by other means evidence is found showing non-compliance with the requirements of this Annex (Part-145), the [F259CAA] shall take the following actions:
  1. For level 1 findings, immediate action shall be taken by the [F259CAA] to revoke, limit or suspend in whole or in part, depending upon the extent of the level 1 finding, the maintenance organisation approval, until successful corrective action has been taken by the organisation.
  2. For level 2 findings, the corrective action period granted by the [F259CAA] must be appropriate to the nature of the finding but in any case initially

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

must not be more than three months. In certain circumstances and subject to the nature of the finding the [F259CAA] may extend the three month period subject to a satisfactory corrective action plan agreed by the [F259CAA].

- (b) Action shall be taken by the [F259CAA] to suspend in whole or part the approval in case of failure to comply within the timescale granted by the [F259CAA].

#### Textual Amendments

**F259** Word in Annex 2 point 145.B.50 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(8) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 145.B.55 Record-keeping

1. The [F260CAA] shall establish a system of record-keeping with minimum retention criteria that allows adequate traceability of the process to issue, continue, change, suspend or revoke each individual organisation approval.
2. The records shall include as a minimum:
  - (a) the application for an organisation approval, including the continuation thereof.
  - (b) the [F260CAA] continued oversight program including all audit records.
  - (c) the organisation approval certificate including any change thereto.
  - (d) a copy of the audit program listing the dates when audits are due and when audits were carried out.
  - (e) copies of all formal correspondence including Form 4 or equivalent.
  - (f) details of any exemption and enforcement action(s).
  - (g) any other [F260CAA] audit report forms.
  - (h) maintenance organisation expositions.
3. The minimum retention period for the above records shall be four years.
4. The [F260CAA] may elect to use either a paper or computer system or any combination of both subject to appropriate controls.

#### Textual Amendments

**F260** Word in Annex 2 point 145.B.55 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 266(8) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### [F12X1] 145.B.60 Exemptions

Where [F261 the CAA] grants an exemption from the requirements of this Annex in accordance with Article 71 of Regulation (EU) 2018/1139, the [F262CAA] shall record the exemption. It shall retain those records for the period provided for in point (3) of point 145.B.55.]]

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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#### Textual Amendments

- F261** Words in Annex 2 point 145.B.60 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **74**
- F262** Word in Annex 2 point 145.B.60 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **266(8)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

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#### Textual Amendments

- F245** Word in Annex 2 s. B heading substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **266(2)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

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**Changes to legislation:** *There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes*

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## Appendix I

Authorised Release Certificate — [F263 CAA Form 1]

The provisions of Appendix II to Annex I (Part-M) apply.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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## Appendix II

Class and Ratings System used for the Approval of Maintenance Organisations referred to in Annex I (Part-M) Subpart F and Annex II (Part-145)

The provisions of Appendix IV to Annex I (Part-M) apply.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

[<sup>F12</sup>[<sup>X1</sup>Appendix III

F264F265F266F267F268F269F270F271F272F273

**Maintenance Organisation Certificate — EASA Form**

**3-145]]**

**[MEMBER STATE] (\*)**

**A Member of the European Union (\*\*)**

**MAINTENANCE ORGANISATION CERTIFICATE**

Reference: [MEMBER STATE CODE (\*)].145.XXXX

►<sup>en</sup> Pursuant to Regulation (EU) 2018/1139 of the European Parliament and of the Council and to Commission Regulation (EU) No 1321/2014 and subject to the conditions specified below, the [COMPETENT AUTHORITY OF THE MEMBER STATE (\*)] hereby certifies:

**[COMPANY NAME AND ADDRESS]**

as a maintenance organisation in compliance with Section A of Annex II (Part-145) to Regulation (EU) No 1321/2014, approved to maintain products, parts and appliances listed in the attached terms of approval and issue related certificates of release to service using the above references and, when stipulated, to issue airworthiness review certificates after an airworthiness review as specified in point ML.A.903 of Annex Vb (Part-ML) to that Regulation for those aircraft listed in the attached terms of approval ◀

**CONDITIONS:**

1. This approval is limited to that specified in the scope of work section of the approved maintenance organisation exposition as referred to in Section A of Annex II (Part-145), and
2. This approval requires compliance with the procedures specified in the approved maintenance organisation exposition, and
3. This approval is valid whilst the approved maintenance organisation remains in compliance with Annex II (Part-145) of Regulation (EU) No 1321/2014.
4. Subject to compliance with the foregoing conditions, this approval shall remain valid for an unlimited duration unless the approval has previously been surrendered, superseded, suspended or revoked.

Date of original issue: .....

Date of this revision: .....

Revision No: .....

Signed: .....

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

EASA Form 3-145 Issue 4

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

(\*\*) Delete for non-EU Member States or EASA.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

**MAINTENANCE ORGANISATION****TERMS OF APPROVAL**

Reference: [MEMBER STATE CODE (\*).145.[XXXX]

Organisation: [COMPANY NAME AND ADDRESS]

CLASS	RATING	LIMITATION	BASE	LINE
AIRCRAFT (**)	(***)	▶ <sup>(1)</sup> (****)	[YES/NO] (**)	[YES/NO] (**)
	(***)	(****)	[YES/NO] (**)	[YES/NO] (**)
	(***)	(****)	[YES/NO] (**)	[YES/NO] (**)
	(***)	(****)◀	[YES/NO] (**)	[YES/NO] (**)
ENGINES (**)	(***)	(***)		
	(***)	(***)		
COMPONENTS OTHER THAN COMPLETE ENGINES OR APUs (**)	(***)	(***)		
	(***)	(***)		
	(***)	(***)		
	(***)	(***)		
	(***)	(***)		
	(***)	(***)		
SPECIALISED SERVICES (**)	(***)	(***)		
	(***)	(***)		

These terms of approval are limited to those products, parts and appliances and to the activities specified in the scope of work section of the approved maintenance organisation exposition,

Maintenance 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 3-145 Issue 4

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

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

(\*\*\*) Complete with the appropriate rating and limitation.

(\*\*\*\*) Complete with appropriate limitation and state whether the issue of airworthiness review certificates is authorised or not.



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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## Appendix IV

### Conditions for the use of staff not qualified in accordance with Annex III (Part-66) referred to in points 145.A.30(j)1 and 2

1. Certifying staff in compliance with all the following conditions are deemed to meet the intent of point 145.A.30(j)(1) and (2):
  - (a) The person shall hold a licence or a certifying staff authorisation issued under national regulations in full compliance with ICAO Annex 1.
  - (b) The scope of work of the person shall not exceed the scope of work defined by the national licence or the certifying staff authorisation, whatever is the most restrictive.
  - (c) The person shall demonstrate he/she received the training on human factors and aviation legislation referred to in modules 9 and 10 of Appendix I to Annex III (Part-66).
  - (d) The person shall demonstrate 5 years maintenance experience for line maintenance certifying staff and 8 years for base maintenance certifying staff. However, those persons whose authorised tasks do not exceed those of a Part-66 category A certifying staff, need to demonstrate 3 years maintenance experience only.
  - (e) Line maintenance certifying staff and base maintenance support staff shall demonstrate he/she received type training and passed examination at the category B1, B2 or B3 level, as applicable, referred to in Appendix III to Annex III (Part-66) for each aircraft type in the scope of work referred to in point (b). Those persons whose scope of work does not exceed those of a category A certifying staff may however receive task training in lieu of a complete type training.
  - (f) Base maintenance certifying staff shall demonstrate he/she received type training and passed examination at the category C level referred to in Appendix III to Annex III (Part-66) for each aircraft type in the scope of work referred to in point (b), except that for the first aircraft type, training and examination shall be at the category B1, B2 or B3 level of Appendix III.
2. Protected rights
  - (a) The personnel having privileges before the entry into force of the relevant requirements of Annex III (Part-66) may continue to exercise them without the need to comply with points 1(c) to 1(f).
  - (b) However after that date any certifying staff willing to extend the scope of their authorisation to include additional privileges shall comply with point 1.
  - (c) Notwithstanding point 2(b) above, in the case of additional type training, compliance with points 1(c) and 1(d) is not required.

## ANNEX III

### (Part-66)

66.1 [F274 CAA]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (a) <sup>F275</sup> ...
- (b) The [<sup>F276</sup>CAA] shall be responsible for defining:
1. the list of aircraft types; and
  2. what airframe/engine combinations are included in each particular aircraft type rating.

#### Textual Amendments

**F275** Annex 3 point 66.1(a) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **269(3)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F276** Word in Annex 3 point 66.1(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **269(3)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## SECTION A

### TECHNICAL REQUIREMENTS

#### SUBPART AIRCRAFT MAINTENANCE LICENCE

##### A

#### 66.A.1 Scope

This section defines the aircraft maintenance licence and establishes the requirements for application, issue and continuation of its validity.

#### [<sup>F24</sup>66.A.3] Licence categories and subcategories

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

- (a) Category A, divided into the following subcategories:
- A1 Aeroplanes Turbine;
  - A2 Aeroplanes Piston;
  - A3 Helicopters Turbine;
  - A4 Helicopters Piston.
- (b) Category B1, divided into the following subcategories:
- B1.1 Aeroplanes Turbine;
  - B1.2 Aeroplanes Piston;
  - B1.3 Helicopters Turbine;
  - B1.4 Helicopters Piston.
- (c) Category B2
- The B2 licence is applicable to all aircraft.
- (d) Category B2L

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**Changes to legislation:** *There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes*

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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.

(e) Category B3

The B3 licence is applicable to piston-engine non-pressurised aeroplanes of 2 000 kg Maximum Take-off Mass (MTOM) and below.

(f) 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.

(g) Category C

The C licence is applicable to aeroplanes and helicopters.]

**[<sup>F24</sup>66.A.5 Aircraft groups**

For the purpose of ratings on aircraft maintenance licences, aircraft shall be classified into the following groups:

- (1) Group 1: complex motor-powered aircraft, helicopters with multiple engines, aeroplanes with maximum certified operating altitude exceeding FL290, aircraft equipped with fly-by-wire systems, gas airships other than ELA2 and other aircraft requiring an aircraft type rating when defined as such by the [<sup>F277</sup>CAA].

The [<sup>F277</sup>CAA] may decide to classify into Group 2, Group 3 or Group 4, as appropriate, an aircraft which meets the conditions set out in the first subparagraph, 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,
  - those turbojet and multiple-turboprop aeroplanes classified by the [<sup>F277</sup>CAA] in this subgroup because of their lower complexity.
- (ii) subgroup 2b:
- single turbine engine helicopters,

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- those multiple turbine engine helicopters classified by the [F277CAA] in this subgroup because of their lower complexity.
- (iii) subgroup 2c:
  - single piston engine helicopters,
  - those multiple piston engine helicopters classified by the [F277CAA] in this subgroup because of their lower complexity.
- (3) Group 3: piston engine aeroplanes other than those in Group 1.
- (4) Group 4: sailplanes, powered sailplanes, balloons and airships, other than those in Group 1.]

#### Textual Amendments

**F277** Word in Annex 3 point 66.A.5 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 270(2) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 66.A.10 Application

- (a) An application for an aircraft maintenance licence or change to such licence shall be made on [F278a CAA Form 19] (see Appendix V) in a manner established by the [F279CAA] and submitted thereto.
- (b) An application for the change to an aircraft maintenance licence shall be made to the [F280CAA] of the Member State that issued the aircraft maintenance licence.
- (c) In addition to the documents required in points 66.A.10(a), 66.A.10(b) and 66.B.105, as appropriate, the applicant for additional basic categories or subcategories to an aircraft maintenance licence shall submit his/her current original aircraft maintenance licence to the [F281CAA] together with the [F282CAA Form 19].
- (d) F283 ...
- (e) F283 ...
- (f) Each application shall be supported by documentation to demonstrate compliance with the applicable theoretical knowledge, practical training and experience requirements at the time of application.

#### Textual Amendments

**F278** Words in Annex 3 point 66.A.10(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 270(3)(a)(i) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F279** Word in Annex 3 point 66.A.10(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 270(3)(a)(ii) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F280** Word in Annex 3 point 66.A.10(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 270(3)(b) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

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**Changes to legislation:** *There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes*

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- F281** Word in Annex 3 point 66.A.10(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **270(3)(c)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F282** Words in Annex 3 point 66.A.10(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **270(3)(c)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F283** Annex 3 point 66.A.10(d)(e) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **270(3)(d)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### 66.A.15 Eligibility

An applicant for an aircraft maintenance licence shall be at least 18 years of age.

### 66.A.20 Privileges

(a) The following privileges shall apply:

1. A category A aircraft maintenance licence permits the holder to issue certificates of release to service following minor scheduled line maintenance and simple defect rectification within the limits of tasks specifically endorsed on the certification authorisation referred to in point 145.A.35 of Annex II (Part-145). The certification privileges shall be restricted to work that the licence holder has personally performed in the maintenance organisation that issued the certification authorisation.
2. A category B1 aircraft maintenance licence shall permit the holder to issue certificates of release to service and to act as B1 support staff following:
  - maintenance performed on aircraft structure, powerplant and mechanical and electrical systems,
  - work on avionic systems requiring only simple tests to prove their serviceability and not requiring troubleshooting.

Category B1 includes the corresponding A subcategory.

3. A category B2 aircraft maintenance licence shall permit the holder:
  - (i) to issue certificates of release to service and to act as B2 support staff for following:
    - maintenance performed on avionic and electrical systems, and
    - electrical and avionics tasks within powerplant and mechanical systems, requiring only simple tests to prove their serviceability; and
  - (ii) to issue certificates of release to service following minor scheduled line maintenance and simple defect rectification within the limits of tasks specifically endorsed on the certification authorisation referred to in point 145.A.35 of Annex II (Part-145). This certification privilege shall be restricted to work that the licence holder has personally performed in the maintenance organisation which issued the certification authorisation and limited to the ratings already endorsed in the B2 licence.

The category B2 licence does not include any A subcategory.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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4. <sup>[F24]</sup> A category B2L aircraft maintenance licence shall permit the holder to issue certificates of release to service and to act as B2L support staff for the following:
  - maintenance performed on electrical systems;
  - maintenance performed on avionics systems within the limits of the system ratings specifically endorsed on the licence, and
  - when holding the ‘airframe system’ rating, performance of electrical and avionics tasks within power plant and mechanical systems, requiring only simple tests to prove their serviceability.
5. A category B3 aircraft maintenance licence shall permit the holder to issue certificates of release to service and to act as B3 support staff for the following:
  - maintenance performed on aeroplane structure, power plant and mechanical and electrical systems; and
  - work on avionics systems requiring only simple tests to prove their serviceability and not requiring troubleshooting.]
6. <sup>[F34]</sup> A category L aircraft maintenance licence shall permit the holder to issue certificates of release to service and to act as L support staff for the following:
  - maintenance performed on aircraft structure, power plant and mechanical and electrical systems;
  - work on radio, Emergency Locator Transmitters (ELT) and transponder systems; and
  - work on other avionics systems requiring simple tests to prove their serviceability.

Subcategory L2 includes subcategory L1. Any limitation to subcategory L2 in accordance with point 66.A.45(h) becomes also applicable to subcategory L1.

Subcategory L2C includes subcategory L1C.

7. A category C aircraft maintenance licence shall permit the holder to issue certificates of release to service following base maintenance of the aircraft. The privileges apply to the aircraft in its entirety.]
- (b) The holder of an aircraft maintenance licence may not exercise its privileges unless:
1. in compliance with the applicable requirements of Annex I (Part-M) and Annex II (Part-145); and
  2. in the preceding 2-year period he/she has, either had 6 months of maintenance experience in accordance with the privileges granted by the aircraft maintenance licence or, met the provision for the issue of the appropriate privileges; and
  3. he/she has the adequate competence to certify maintenance on the corresponding aircraft; and
  4. he/she is able to read, write and communicate to an understandable level in the language(s) in which the technical documentation and procedures necessary to support the issue of the certificate of release to service are written.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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### 66.A.25 Basic knowledge requirements

(a) <sup>[F24]</sup>For licences other than categories B2L and L, an applicant for an aircraft maintenance licence, or for the addition of a category or subcategory to such a licence, shall demonstrate by examination a level of knowledge of the appropriate subject modules in accordance with Appendix I to Annex III (Part-66). The examination shall comply with the standard set out in Appendix II to Annex III (Part-66) and shall be conducted either by a training organisation appropriately approved in accordance with Annex IV (Part-147), or by the <sup>[F284]</sup>CAA].

(b) <sup>[F24]</sup>An applicant for an aircraft maintenance licence in category L within a given subcategory, or for the addition of a different subcategory, shall demonstrate by examination a level of knowledge of the appropriate subject modules in accordance with Appendix VII to Annex III (Part-66). The examination shall comply with the standard set out in Appendix VIII to Annex III (Part-66) and shall be conducted by a training organisation appropriately approved in accordance with Annex IV (Part-147), by the <sup>[F284]</sup>CAA] or as agreed by the <sup>[F284]</sup>CAA].

The holder of an aircraft maintenance licence in subcategory B1.2 or category B3 is deemed to meet the basic knowledge requirements for a licence in subcategories L1C, L1, L2C and L2.

The basic knowledge requirements for subcategory L4H include the basic knowledge requirements for subcategory L3H.

The basic knowledge requirements for subcategory L4G include the basic knowledge requirements for subcategory L3G.

(c) An applicant for an aircraft maintenance licence in category B2L for a particular ‘ system rating ’, or for the addition of another ‘ system rating ’, shall demonstrate by examination a level of knowledge of the appropriate subject modules in accordance with Appendix I to Annex III (Part-66). The examination shall comply with the standard set out in Appendix II to Annex III (Part-66) and shall be conducted either by a training organisation appropriately approved in accordance with Annex IV (Part-147), or by the <sup>[F284]</sup>CAA].]

(d) <sup>[F24]</sup>The training courses and examinations shall have been passed within 10 years prior to the application for an aircraft maintenance licence or the addition of a category or subcategory to such a licence. Should this not be the case, examination credits may be obtained in accordance with point (e).

(e) The applicant may apply to the <sup>[F284]</sup>CAA] for full or partial examination credits for the basic knowledge requirements for:

(i) basic knowledge examinations that do not meet the requirement laid down in point (d);

(ii) any other technical qualification considered by the <sup>[F284]</sup>CAA] to be equivalent to the knowledge standard of Annex III (Part-66).

Credits shall be granted in accordance with Subpart E of Section B of this Annex (Part-66).

(f) Credits expire 10 years after they were granted to the applicant by the <sup>[F284]</sup>CAA]. The applicant may apply for new credits after expiration.]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F284** Word in Annex 3 point 66.A.25 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 270(4) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### 66.A.30 Basic experience requirements

- (a) An applicant for an aircraft maintenance licence shall have acquired:
1. for category A, subcategories B1.2 and B1.4 and category B3:
    - (i) 3 years of practical maintenance experience on operating aircraft, if the applicant has no previous relevant technical training; or
    - (ii) 2 years of practical maintenance experience on operating aircraft and completion of training considered relevant by the [F285CAA] as a skilled worker, in a technical trade; or
    - (iii) 1 year of practical maintenance experience on operating aircraft and completion of a basic training course approved in accordance with Annex IV (Part-147);
  2. for category B2 and subcategories B1.1 and B1.3:
    - (i) 5 years of practical maintenance experience on operating aircraft if the applicant has no previous relevant technical training; or
    - (ii) 3 years of practical maintenance experience on operating aircraft and completion of training considered relevant by the [F285CAA] as a skilled worker, in a technical trade; or
    - (iii) 2 years of practical maintenance experience on operating aircraft and completion of a basic training course approved in accordance with Annex IV (Part-147);
  - 2a. [F34f] for category B2L:
    - (i) 3 years of practical maintenance experience in operating aircraft, covering the corresponding system rating(s), if the applicant has no previous relevant technical training; or
    - (ii) 2 years of practical maintenance experience in operating aircraft, covering the corresponding system rating(s), and completion of training, considered relevant by the [F285CAA], as a skilled worker in a technical trade; or
    - (iii) 1 year of practical maintenance experience in operating aircraft, covering the corresponding system rating(s), and completion of a Part-147 approved basic training course.

For the addition of (a) new system rating(s) to an existing B2L licence, 3 months of practical maintenance experience relevant to the new system rating(s) shall be required for each system rating added.

- 2b. for category L:



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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (i) 2 years of practical maintenance experience in operating aircraft covering a representative cross section of maintenance activities in the corresponding subcategory;
- (ii) as a derogation from point (i), 1 year of practical maintenance experience in operating aircraft covering a representative cross section of maintenance activities in the corresponding subcategory, subject to the introduction of the limitation provided for in point 66.A.45(h)(ii)(3).

For the inclusion of an additional subcategory in an existing L licence, the experience required by points (i) and (ii) shall be 12 and 6 months respectively.

The holder of an aircraft maintenance licence in category/subcategory B1.2 or B3 is deemed to meet the basic experience requirements for a licence in subcategories L1C, L1, L2C and L2.]

- 3. [F<sup>1</sup>for category C with respect to complex motor-powered aircraft:
    - (i) 3 years of experience exercising category B1.1, B1.3 or B2 privileges on complex motor-powered aircraft or as support staff according to point 145.A.35, or, a combination of both; or
    - (ii) 5 years of experience exercising category B1.2 or B1.4 privileges on complex motor-powered aircraft or as support staff according to point 145.A.35, or a combination of both;
  - 4. For category C with respect to other than complex motor-powered aircraft: 3 years of experience exercising category B1 or B2 privileges on other than complex motor-powered aircraft or as support staff according to point 145.A.35, or a combination of both;]
  - 5. for category C obtained through the academic route: an applicant holding an academic degree in a technical discipline, from a university or other higher educational institution recognised by the [F<sup>285</sup>CAA], 3 years of experience working in a civil aircraft maintenance environment on a representative selection of tasks directly associated with aircraft maintenance including 6 months of observation of base maintenance tasks.
- (b) An applicant for an extension to an aircraft maintenance licence shall have a minimum civil aircraft maintenance experience requirement appropriate to the additional category or subcategory of licence applied for as defined in Appendix IV to this Annex (Part-66).
  - (c) The experience shall be practical and involve a representative cross section of maintenance tasks on aircraft.
  - (d) At least 1 year of the required experience shall be recent maintenance experience on aircraft of the category/subcategory for which the initial aircraft maintenance licence is sought. For subsequent category/subcategory additions to an existing aircraft maintenance licence, the additional recent maintenance experience required may be less than 1 year, but shall be at least 3 months. The required experience shall be dependent upon the difference between the licence category/subcategory held and applied for. Such additional experience shall be typical of the new licence category/subcategory sought.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (e) Notwithstanding point (a), aircraft maintenance experience gained outside a civil aircraft maintenance environment shall be accepted when such maintenance is equivalent to that required by this Annex (Part-66) as established by the [F285CAA]. Additional experience of civil aircraft maintenance shall, however, be required to ensure adequate understanding of the civil aircraft maintenance environment.
- (f) Experience shall have been acquired within the 10 years preceding the application for an aircraft maintenance licence or the addition of a category or subcategory to such a licence.

#### Textual Amendments

**F285** Word in Annex 3 point 66.A.30 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 270(4) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 66.A.40 Continued validity of the aircraft maintenance licence

- (a) The aircraft maintenance licence becomes invalid 5 years after its last issue or change, unless the holder submits his/her aircraft maintenance licence to the [F286CAA], in order to verify that the information contained in the licence is the same as that contained in the [F287CAA's records], pursuant to point 66.B.120.
- (b) The holder of an aircraft maintenance licence shall complete the relevant parts of [F288CAA Form 19] (see Appendix V) and submit it with the holder's copy of the licence to the [F289CAA], unless the holder works in a maintenance organisation approved in accordance with Annex II (Part-145) that has a procedure in its exposition whereby such organisation may submit the necessary documentation on behalf of the aircraft maintenance licence holder.
- (c) Any certification privilege based upon a aircraft maintenance licence becomes invalid as soon as the aircraft maintenance licence is invalid.
- (d) The aircraft maintenance licence is only valid (i) when issued and/or changed by the [F290CAA] and (ii) when the holder has signed the document.

#### Textual Amendments

**F286** Word in Annex 3 point 66.A.40(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 270(5)(a)(i) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F287** Words in Annex 3 point 66.A.40(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 270(5)(a)(ii) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F288** Words in Annex 3 point 66.A.40(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 270(5)(b)(i) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F289** Word in Annex 3 point 66.A.40(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 270(5)(b)(ii) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

**F290** Word in Annex 3 point 66.A.40(d) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 270(5)(c) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### **[F24] 66.A.45 Endorsement with aircraft ratings**

- (a) In order to be entitled to exercise certification privileges on a specific aircraft type, the holder of an aircraft maintenance licence needs to have their licence endorsed with the relevant aircraft ratings:
- For category B1, B2 or C, the relevant aircraft ratings are the following:
    - (i) for Group 1 aircraft, the appropriate aircraft type rating;
    - (ii) for Group 2 aircraft, the appropriate aircraft type rating, manufacturer subgroup rating or full subgroup rating;
    - (iii) for Group 3 aircraft, the appropriate aircraft type rating or full group rating;
    - (iv) for Group 4 aircraft, for the category B2 licence, the full group rating.
  - For category B2L, the relevant aircraft ratings are the following:
    - (i) for Group 2 aircraft, the appropriate manufacturer subgroup rating or full subgroup rating;
    - (ii) for Group 3 aircraft, the full group rating;
    - (iii) for Group 4 aircraft, the full group rating.
  - For category B3, the relevant rating is ‘ piston-engine non-pressurised aeroplanes of 2 000 kg MTOM and below ’ .
  - For category L, the relevant aircraft ratings are the following:
    - (i) for subcategory L1C, the rating ‘ composite sailplanes ’ ;
    - (ii) for subcategory L1, the rating ‘ sailplanes ’ ;
    - (iii) for subcategory L2C, the rating ‘ composite powered sailplanes and composite ELA1 aeroplanes ’ ;
    - (iv) for subcategory L2, the rating ‘ powered sailplanes and ELA1 aeroplanes ’ ;
    - (v) for subcategory L3H, the rating ‘ hot-air balloons ’ ;
    - (vi) for subcategory L3G, the rating ‘ gas balloons ’ ;
    - (vii) for subcategory L4H, the rating ‘ hot-air airships ’ ;
    - (viii) for subcategory L4G, the rating ‘ ELA2 gas airships ’ ;
    - (ix) for subcategory L5, the appropriate airship type rating.
  - For category A, no rating is required, subject to compliance with the requirements of point 145.A.35 of Annex II (Part-145).
- (b) The endorsement of aircraft type ratings requires the satisfactory completion of one of the following:

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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- the relevant category B1, B2 or C aircraft type training in accordance with Appendix III to Annex III (Part-66);
  - in the case of gas airship type ratings on a B2 or L5 licence, a type training approved by the [F291CAA] in accordance with point 66.B.130.
- (c) For other than category C licences, in addition to the requirements of point (b), the endorsement of the first aircraft type rating within a given category/subcategory requires satisfactory completion of the corresponding on-the-job training. This on-the-job training shall comply with Appendix III to Annex III (Part-66), except in the case of gas airships, where it shall be directly approved by the [F292CAA].
- (d) [F12][X1]By derogation from points (b) and (c), for Group 2 and 3 aircraft, aircraft type ratings may also be endorsed on a licence after completing the following steps:
- satisfactory completion of the relevant category B1, B2 or C aircraft type examination in accordance with Appendix III to this Annex (Part-66);
  - in the case of B1 and B2 category, demonstration of practical experience in the aircraft type. In that case, the practical experience shall include a representative cross section of maintenance activities relevant to the licence category.

In the case of a category C rating, for a person qualified through the academic route as referred to in point (a)(5) of point 66.A.30, the first relevant aircraft type examination shall be at the category B1 or B2 level.]]

- (e) For Group 2 aircraft:
- (i) the endorsement of manufacturer subgroup ratings for category B1 and C licence holders requires complying with the aircraft type rating requirements for at least two aircraft types from the same manufacturer, which combined are representative of the applicable manufacturer subgroup;
  - (ii) the endorsement of full subgroup ratings for category B1 and C licence holders requires complying with the aircraft type rating requirements for at least three aircraft types from different manufacturers, which combined are representative of the applicable subgroup;
  - (iii) the endorsement of manufacturer subgroup and full subgroup ratings for category B2 and B2L licence holders requires demonstration of practical experience which shall include a representative cross section of maintenance activities relevant to the licence category and to the applicable aircraft subgroup and, in the case of the B2L licence, relevant to the applicable system rating(s);
  - (iv) by derogation from point (e)(iii), the holder of a B2 or B2L licence, endorsed with a full subgroup 2b, is entitled to be endorsed with a full subgroup 2c.
- (f) For Group 3 and 4 aircraft:
- (i) the endorsement of the full Group 3 rating for category B1, B2, B2L and C licence holders and the endorsement of the full Group 4 rating for B2 and B2L licence holders require demonstration of practical experience, which shall include a representative cross section of maintenance activities relevant to the licence category and to Group 3 or 4, as applicable;

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (ii) for category B1, unless the applicant provides evidence of appropriate experience, Group 3 rating shall be subject to the following limitations, which shall be endorsed on the licence:
    - pressurised aeroplanes,
    - metal-structure aeroplanes,
    - composite-structure aeroplanes,
    - wooden-structure aeroplanes,
    - aeroplanes with metal-tubing structure covered with fabric;
  - (iii) by derogation from point (f)(i), the holder of a B2L licence, endorsed with a full subgroup 2a or 2b, is entitled to be endorsed with Groups 3 and 4.
- (g) For the B3 licence:
- (i) the endorsement of the rating ‘ piston engine non-pressurised aeroplanes of 2 000 kg MTOM and below ’ requires demonstration of practical experience, which shall include a representative cross section of maintenance activities relevant to the licence category;
  - (ii) unless the applicant provides evidence of appropriate experience, the rating referred to in point (i) shall be subject to the following limitations, which shall be endorsed on the licence:
    - wooden-structure aeroplanes,
    - aeroplanes with metal-tubing structure covered with fabric,
    - metal-structure aeroplanes,
    - composite-structure aeroplanes.
- (h) For all L licence subcategories, other than L5:
- (i) the endorsement of ratings requires demonstration of practical experience which shall include a representative cross section of maintenance activities relevant to the licence subcategory;
  - (ii) unless the applicant provides evidence of appropriate experience, the ratings shall be subject to the following limitations, which shall be endorsed on the licence:
    - (1) for ratings ‘ sailplanes ’ and ‘ powered sailplanes and ELA1 aeroplanes ’ :
      - wooden-structure aircraft covered with fabric,
      - aircraft with metal-tubing structure covered with fabric,
      - metal-structure aircraft,
      - composite-structure aircraft,
    - (2) for the rating ‘ gas balloons ’ :
      - other than ELA1 gas balloons; and
    - (3) if the applicant has only provided evidence of one-year experience in accordance with the derogation contained in point 66.A.30(a) (2b)(ii), the following limitation shall be endorsed on the licence:
      - complex maintenance tasks provided for in Appendix VII to Annex I (Part-M), standard changes provided for in point

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

21.A.90B of Annex I (Part-21) to Regulation (EU) No 748/2012 and standard repairs provided for in point 21.A.431B of Annex I (Part-21) to Regulation (EU) No 748/2012.

The holder of an aircraft maintenance licence in subcategory B1.2 endorsed with the Group 3 rating, or in category B3 endorsed with the rating ‘ piston engine non-pressurised aeroplanes of 2 000 kg MTOM and below ’, is deemed to meet the requirements for the issuance of a licence in subcategories L1 and L2 with the corresponding full ratings and with the same limitations as the B1.2/B3 licence held.]

#### Textual Amendments

- F291** Word in Annex 3 point 66.A.45(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **270(6)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F292** Word in Annex 3 point 66.A.45(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **270(6)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 66.A.50 Limitations

- (a) [<sup>F24</sup>Limitations introduced on an aircraft maintenance licence are exclusions from the certification privileges and, in the case of limitations referred to in point 66.A.45, they affect the aircraft in its entirety.]
- (b) For limitations referred to in point 66.A.45, limitations shall be removed upon:
1. demonstration of appropriate experience; or
  2. after a satisfactory practical assessment performed by the [<sup>F293</sup>CAA].
- (c) For limitations referred to in point 66.A.70, limitations shall be removed upon satisfactory completion of examination on those modules/subjects defined in the applicable conversion report referred to in point 66.B.300.

#### Textual Amendments

- F293** Word in Annex 3 point 66.A.50(b)(2) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **270(7)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 66.A.55 Evidence of qualification

Personnel exercising certification privileges as well as support staff shall produce their licence, as evidence of qualification, within 24 hours upon request by an authorised person.

#### 66.A.70 Conversion provisions

F294  
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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## SECTION B

### PROCEDURES FOR [F295]THE CAA]

#### SUBPART GENERAL

##### A

#### 66.B.1 Scope

This section establishes the procedures including the administrative requirements to be followed by the [F296]CAA].

##### Textual Amendments

**F296** Word in Annex 3 point 66.B.1 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 272(2) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 66.B.10 [F297]CAA]

##### (a) General

F298 ...

##### Textual Amendments

**F298** Words in Annex 3 point 66.B.10(a) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 272(3)(b)(i) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

[F299]The CAA] shall establish an adequate organisational structure to ensure compliance with this Annex (Part-66).

##### Textual Amendments

**F299** Words in Annex 3 point 66.B.10(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 272(3)(b)(ii) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

##### (b) Resources

The [F300]CAA] shall be appropriately staffed to ensure the implementation of the requirements of this Annex (Part-66).

##### Textual Amendments

**F300** Word in Annex 3 point 66.B.10(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 272(3)(c) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

##### (c) Procedures

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

The [F301CAA] shall establish documented procedures detailing how compliance with this Annex (Part-66) is accomplished. These procedures shall be reviewed and amended to ensure continued compliance.

#### Textual Amendments

**F301** Word in Annex 3 point 66.B.10(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 272(3)(c) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### Textual Amendments

**F297** Word in Annex 3 point 66.B.10 heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 272(3)(a) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### 66.B.20 Record-keeping

- (a) The [F302CAA] shall establish a system of record-keeping that allows adequate traceability of the process to issue, revalidate, change, suspend or revoke each aircraft maintenance licence.
- (b) These records shall include for each licence:
1. the application for an aircraft maintenance licence or change to that licence, including all supporting documentation;
  2. a copy of the aircraft maintenance licence including any changes;
  3. copies of all relevant correspondence;
  4. details of any exemption and enforcement actions;
  5. any report from other competent authorities relating to the aircraft maintenance licence holder;
  6. the records of examinations conducted by the [F303CAA];
  7. the applicable conversion report used for conversion;
  8. the applicable credit report used for crediting.
- (c) Records referred to in points 1 to 5 of point (b) shall be kept at least 5 years after the end of the licence validity.
- (d) Records referred to in points 6, 7 and 8 of point (b) shall be kept for an unlimited period.

#### Textual Amendments

**F302** Word in Annex 3 point 66.B.20(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 272(4) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

**F303** Word in Annex 3 point 66.B.20(b)(6) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **272(4)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## 66.B.25 Mutual exchange of information

F304  
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### Textual Amendments

**F304** Annex 3 point 66.B.25 omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **272(5)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, **Sch. 5 para. 1(1)**

## <sup>[F12]</sup><sup>[X1]</sup>66.B.30 Exemptions

All exemptions granted in accordance with Article 71(1) of Regulation (EU) 2018/1139 shall be recorded and retained by the <sup>[F305]</sup>CAA.]

### Textual Amendments

**F305** Word in Annex 3 point 66.B.30 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **272(6)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## SUBPARTISSUE OF AN AIRCRAFT MAINTENANCE LICENCE

B

This Subpart provides the procedures to be followed by the <sup>[F306]</sup>CAA] to issue, change or continue an aircraft maintenance licence.

### Textual Amendments

**F306** Word in Annex 3 s. B substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **273(2)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## 66.B.100 Procedure for the issue of an aircraft maintenance licence by the <sup>[F307]</sup>CAA]

- (a) On receipt of <sup>[F308]</sup>CAA Form 19] and any supporting documentation, the <sup>[F309]</sup>CAA] shall verify <sup>[F310]</sup>CAA Form 19] for completeness and ensure that the experience claimed meets the requirement of this Annex (Part-66).
- (b) <sup>[F24]</sup>The <sup>[F311]</sup>CAA] shall verify an applicant's examination status and/or confirm the validity of any credits to ensure that all module requirements of Appendix I or Appendix VII, as applicable, have been met as required by this Annex (Part-66).]
- (c) When having verified the identity and date of birth of the applicant and being satisfied that the applicant meets the standards of knowledge and experience required by this Annex (Part-66), the <sup>[F311]</sup>CAA] shall issue the relevant aircraft maintenance licence to the applicant. The same information shall be kept on <sup>[F311]</sup>CAA] records.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (d) In the case where aircraft types or groups are endorsed at the time of the issuance of the first aircraft maintenance licence, the [F311CAA] shall verify compliance with point 66.B.115.

#### Textual Amendments

- F308** Words in Annex 3 point 66.B.100(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(3)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F309** Word in Annex 3 point 66.B.100(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(3)(b)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F310** Words in Annex 3 point 66.B.100(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(3)(b)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F311** Word in Annex 3 point 66.B.100 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(3)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### Textual Amendments

- F307** Word in Annex 3 point 66.B.100 heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 66.B.105 Procedure for the issue of an aircraft maintenance licence via a maintenance organisation approved in accordance with Annex II (Part-145)

- (a) A maintenance organisation approved in accordance with Annex II (Part-145), when authorised to carry out this activity by the [F312CAA], may (i) prepare the aircraft maintenance licence on behalf of the [F312CAA] or (ii) make recommendations to the [F312CAA] regarding the application from an individual for a aircraft maintenance licence so that the [F312CAA] may prepare and issue such licence.
- (b) Maintenance organisations referred to in point (a) shall ensure compliance with points 66.B.100 (a) and (b).
- (c) In all cases, the aircraft maintenance licence can only be issued to the applicant by the [F312CAA].

#### Textual Amendments

- F312** Word in Annex 3 point 66.B.105 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(4)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### [F24]66.B.110 Procedure for the change of an aircraft maintenance licence to include an additional basic category or subcategory

- (a) At the completion of the procedures specified in points 66.B.100 or 66.B.105, the [F313CAA] shall endorse the additional basic category, subcategory or, for category

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- B2L, system rating(s) on the aircraft maintenance licence by stamp and signature or shall reissue the licence.
- (b) The record system of the [F<sup>313</sup>CAA] shall be changed accordingly.
- (c) Upon request by the applicant, the [F<sup>313</sup>CAA] shall replace a licence in category B2L with a licence in category B2 endorsed with the same aircraft rating(s) when the holder has demonstrated both of the following:
- (i) by examination the differences between the basic knowledge corresponding to the B2L licence held and the basic knowledge of the B2 licence, as set out in Appendix I;
- (ii) the practical experience required in Appendix IV.
- (d) In the case of a holder of an aircraft maintenance licence in subcategory B1.2 endorsed with the Group 3 rating or in category B3 endorsed with the rating ‘ piston engine non-pressurised aeroplanes of 2 000 kg MTOM and below ’, the [F<sup>313</sup>CAA] shall issue, upon application, a fully rated licence in subcategories L1 and L2, with the same limitations as the B1.2/B3 licence held.]

#### Textual Amendments

**F313** Word in Annex 3 point 66.B.110 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 273(4) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 66.B.115 Procedure for the change of an aircraft maintenance licence to include an aircraft rating or to remove limitations

- (a) On receipt of a satisfactory [F<sup>314</sup>CAA Form 19] and any supporting documentation demonstrating compliance with the requirements of the applicable rating together with the accompanying aircraft maintenance licence, the [F<sup>315</sup>CAA] shall either:
1. endorse the applicant's aircraft maintenance licence with the applicable aircraft rating; or
  2. reissue the said licence to include the applicable aircraft rating; or
  3. remove the applicable limitations in accordance with point 66.A.50.
- The [F<sup>315</sup>CAA] record system shall be changed accordingly.
- (b) In the case where the complete type training is not conducted by maintenance training organisation appropriately approved in accordance with Annex IV (Part-147), the [F<sup>316</sup>CAA] shall be satisfied that all type training requirements are complied with before the type rating is issued.
- (c) In the case where the On the Job Training is not required, the aircraft type rating shall be endorsed based on a Certificate of Recognition issued by a maintenance training organisation approved in accordance with Annex IV (part-147).
- (d) In the case where the aircraft type training is not covered by a single course, the [F<sup>317</sup>CAA] shall be satisfied prior to the type rating endorsement that the content

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and length of the courses fully satisfy the scope of the licence category and that the interface areas have been appropriately addressed.

- (e) In the case of differences training, the [F318CAA] shall be satisfied that (i) the applicant's previous qualification, supplemented by (ii) either a course approved in accordance with Annex IV (Part-147) or a course directly approved by the [F318CAA], are acceptable for type rating endorsement.
- (f) [F24The [F319CAA] shall ensure that compliance with the practical elements of the type training is demonstrated by one of the following:
- (i) by the provision of detailed practical training records or a logbook provided by the organisation which delivered the course directly approved by the [F319CAA] in accordance with point 66.B.130;
  - (ii) where available, by a training certificate, covering the practical training element, issued by a maintenance training organisation appropriately approved in accordance with Annex IV (Part-147).]
- (g) Aircraft type endorsement shall use the aircraft type ratings specified by the [F320CAA].

#### Textual Amendments

- F314** Words in Annex 3 point 66.B.115(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(5)(a)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F315** Word in Annex 3 point 66.B.115(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(5)(a)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F316** Word in Annex 3 point 66.B.115(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(5)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F317** Word in Annex 3 point 66.B.115(d) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(5)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F318** Word in Annex 3 point 66.B.115(e) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(5)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F319** Word in Annex 3 point 66.B.115(f) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(5)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F320** Word in Annex 3 point 66.B.115(g) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **273(5)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 66.B.120 Procedure for the renewal of an aircraft maintenance licence validity

- (a) The [F321CAA] shall compare the holder's aircraft maintenance licence with the [F321CAA] records and verify any pending revocation, suspension or change action pursuant to point 66.B.500. If the documents are identical and no action is pending pursuant to point 66.B.500, the holder's copy shall be renewed for 5 years and the file endorsed accordingly.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (b) If the [F321CAA] records are different from the aircraft maintenance licence held by the licence holder:
1. the [F321CAA] shall investigate the reasons for such differences and may choose not to renew the aircraft maintenance licence.
  2. the [F321CAA] shall inform the licence holder and any known maintenance organisation approved in accordance with Annex I (Part-M) Subpart F or Annex II (Part-145) that may be directly affected of such fact.
  3. the [F321CAA] shall, if necessary, take action in accordance with point 66.B.500 to revoke, suspend or change the licence in question.

#### Textual Amendments

**F321** Word in Annex 3 point 66.B.120 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **273(6)** (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), regs. 1(3), **12**); 2020 c. 1, [Sch. 5 para. 1\(1\)](#))

#### 66.B.125 Procedure for the conversion of licences including group ratings

- (a) Individual aircraft type ratings already endorsed on the aircraft maintenance licence referred to in point 4 of Article 5 shall remain on the licence and shall not be converted to new ratings unless the licence holder fully meets the requirements for endorsement defined in point 66.A.45 of this Annex (Part-66) for the corresponding group/sub-group ratings.
- (b) The conversion shall be performed in accordance with the following conversion table:
1. [F24] for category B1 or C:
    - helicopter piston engine, full group: converted to ‘ full subgroup 2c ’ plus the aircraft type ratings for those single piston engine helicopters which are in Group 1;
    - helicopter piston engine, manufacturer group: converted to the corresponding ‘ manufacturer subgroup 2c ’ plus the aircraft type ratings for those single piston engine helicopters of that manufacturer which are in Group 1;
    - helicopter turbine engine, full group: converted to ‘ full subgroup 2b ’ plus the aircraft type ratings for those single turbine engine helicopters which are in Group 1;
    - helicopter turbine engine, manufacturer group: converted to the corresponding ‘ manufacturer subgroup 2b ’ plus the aircraft type ratings for those single turbine engine helicopters of that manufacturer which are in Group 1;
    - aeroplane single piston engine — metal structure, either full group or manufacturer group: converted to ‘ full group 3 ’ . For the B1 licence, the following limitations shall be included: composite-structure aeroplanes, wooden-structure aeroplanes, and metal-tubing and fabric aeroplanes;
    - aeroplane multiple piston engines — metal structure, either full group or manufacturer group: converted to ‘ full group 3 ’ plus the aircraft type ratings for those aeroplanes with multiple piston engines of the corresponding full/manufacturer group which are

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- in Group 1. For the B1 licence, the following limitations shall be included: composite-structure aeroplanes, wooden-structure aeroplanes and metal-tubing and fabric aeroplanes;
- aeroplane single piston engine — wooden structure, either full group or manufacturer group: converted to ‘ full group 3 ’ . For the B1 licence, the following limitations shall be included: pressurised aeroplanes, metal-structure aeroplanes, composite-structure aeroplanes and metal-tubing and fabric aeroplanes;
  - aeroplane multiple piston engines — wooden structure, either full group or manufacturer group: converted to ‘ full group 3 ’ . For the B1 licence, the following limitations shall be included: pressurised aeroplanes, metal-structure aeroplanes, composite-structure aeroplanes and metal-tubing and fabric aeroplanes;
  - aeroplane single piston engine — composite structure, either full group or manufacturer group: converted to ‘ full group 3 ’ . For the B1 licence, the following limitations shall be included: pressurised aeroplanes, metal-structure aeroplanes, wooden-structure aeroplanes and metal-tubing and fabric aeroplanes;
  - aeroplane multiple piston engines — composite structure, either full group or manufacturer group: converted to ‘ full group 3 ’ . For the B1 licence, the following limitations shall be included: pressurised aeroplanes, metal-structure aeroplanes, wooden-structure aeroplanes and metal-tubing and fabric aeroplanes;
  - aeroplane turbine — single engine, full group: converted to ‘ full sub-group 2a ’ plus the aircraft type ratings for those single turboprop aeroplanes which did not require an aircraft type rating in the previous system and are in Group 1;
  - aeroplane turbine — single engine, manufacturer group: converted to the corresponding ‘ manufacturer subgroup 2a ’ plus the aircraft type ratings for those single turboprop aeroplanes of that manufacturer which did not require an aircraft type rating in the previous system and are in Group 1;
  - aeroplane turbine — multiple engines, full group: converted to the aircraft type ratings for those aeroplanes with multiple turboprop engines which did not require an aircraft type rating in the previous system.]
2. for category B2:
- aeroplane: converted to ‘ full sub-group 2a ’ and ‘ full group 3 ’, plus the aircraft type ratings for those aeroplanes which did not require an aircraft type rating in the previous system and are in group 1,
  - helicopter: converted to ‘ full sub-groups 2b and 2c ’, plus the aircraft type ratings for those helicopters which did not require an aircraft type rating in the previous system and are in group 1;
3. for category C:
- aeroplane: converted to ‘ full sub-group 2a ’ and ‘ full group 3 ’, plus the aircraft type ratings for those aeroplanes which did not require an aircraft type rating in the previous system and are in group 1,
  - helicopter: converted to ‘ full sub-groups 2b and 2c ’, plus the aircraft type ratings for those helicopters which did not require an aircraft type rating in the previous system and are in group 1.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (c) If the licence was subject to limitations following the conversion process referred to in point 66.A.70, these limitations shall remain on the licence, unless they are removed under the conditions defined in the relevant conversion report referred to in point 66.B.300.

#### **[<sup>F24</sup>66.B.130] Procedure for the direct approval of aircraft type training**

- (a) In the case of type training for aircraft other than airships, the [<sup>F322</sup>CAA] may approve aircraft type training not conducted by a maintenance training organisation approved in accordance with Annex IV (Part-147), pursuant to point 1 of Appendix III to this Annex (Part-66). In such case, the [<sup>F322</sup>CAA] shall have a procedure to ensure that the aircraft type training complies with Appendix III to this Annex (Part-66).
- (b) In the case of type training for airships in Group 1, the courses shall be directly approved by the [<sup>F322</sup>CAA] in all cases. The [<sup>F322</sup>CAA] shall have a procedure to ensure that the syllabus of the airship-type training covers all the elements contained in the maintenance data from the Design Approval Holder (DAH).]]

#### **Textual Amendments**

**F322** Word in Annex 3 point 66.B.130 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 273(6) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### **SUBPART EXAMINATIONS**

#### **C**

This Subpart provides the procedures to be followed for the examinations conducted by the [<sup>F323</sup>CAA].

#### **Textual Amendments**

**F323** Word in Annex 3 s. B subpart C heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 274 (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### **66.B.200 Examination by the [<sup>F324</sup>CAA]**

- (a) All examination questions shall be kept in a secure manner prior to an examination, to ensure that candidates will not know which particular questions will form the basis of the examination.
- (b) The [<sup>F324</sup>CAA] shall nominate:
1. persons who control the questions to be used for each examination;
  2. examiners who shall be present during all examinations to ensure the integrity of the examination.
- (c) [<sup>F24</sup>Basic examinations shall follow the standard specified in Appendices I and II or in Appendices VII and VIII to this Annex (Part-66), as applicable.]
- (d) Type training examinations and type examinations shall follow the standard specified in Appendix III to this Annex (Part-66).

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (e) New essay questions shall be raised at least every 6 months and questions already used withdrawn or rested from use. A record of the questions used shall be retained in the records for reference.
- (f) All examination papers shall be handed out at the start of the examination to the candidate and handed back to the examiner at the end of the allotted examination time period. No examination paper may be removed from the examination room during the allotted examination time period.
- (g) Apart from specific documentation needed for type examinations, only the examination paper may be available to the candidate during the examination.
- (h) Examination candidates shall be separated from each other so that they cannot read each other's examination papers. They may not speak to any person other than the examiner.
- (i) Candidates who are proven to be cheating shall be banned from taking any further examination within 12 months of the date of the examination in which they were found cheating.

#### Textual Amendments

**F324** Word in Annex 3 s. B subpart C substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **274** (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), regs. 1(3), **12**); 2020 c. 1, [Sch. 5 para. 1\(1\)](#))

### SUBPART *CONVERSION OF CERTIFYING STAFF QUALIFICATIONS*

#### D

This Subpart provides the procedures for the conversion of certifying staff qualifications referred to in point 66.A.70 to aircraft maintenance licences.

#### 66.B.300 General

- (a) <sup>F325</sup> ...
- (b) The [<sup>F326</sup>CAA] may only perform the conversion in accordance with a conversion report established pursuant to points 66.B.305 or 66.B.310, as applicable.
- (c) Conversion reports shall be either (i) developed by the [<sup>F327</sup>CAA] or (ii) approved by the [<sup>F327</sup>CAA] to ensure compliance with this Annex (Part-66).
- (d) Conversion reports together with any change of these shall be kept on record by the [<sup>F328</sup>CAA] in accordance with point 66.B.20.

#### Textual Amendments

**F325** Annex 3 point 66.B.300(a) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **275(a)** (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), regs. 1(3), **12**); 2020 c. 1, [Sch. 5 para. 1\(1\)](#))

**F326** Word in Annex 3 point 66.B.300(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **275(b)** (with [Sch. 3](#)) (as amended by [S.I. 2019/1098](#), regs. 1(3), **12**); 2020 c. 1, [Sch. 5 para. 1\(1\)](#))



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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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**F327** Word in Annex 3 point 66.B.300(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 275(b) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F328** Word in Annex 3 point 66.B.300(d) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 275(b) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 66.B.305 Conversion report for national qualifications

- (a) The conversion report for national certifying staff qualifications shall describe the scope of each type of qualification, including the associated national licence, if any, the associated privileges and include a copy of the relevant national regulations defining these.
- (b) The conversion report shall show for each type of qualification referred to in point (a):
1. to which aircraft maintenance licence it will be converted; and
  2. which limitations shall be added in accordance with points 66.A.70(c) or (d), as applicable; and
  3. the conditions to remove the limitations, specifying the module/subjects on which examination is needed to remove the limitations and obtain a full aircraft maintenance licence, or to include an additional (sub-) category. This shall include the modules defined in [F24 Appendix I] to this Annex (Part-66) not covered by the national qualification.

#### 66.B.310 Conversion report for approved maintenance organisations authorisations

- (a) For each approved maintenance organisation concerned, the conversion report shall describe the scope of each type of authorisation issued by the maintenance organisation and include a copy of the relevant approved maintenance organisation's procedures for the qualification and the authorisation of certifying staff on which the conversion process is based.
- (b) The conversion report shall show for each type of authorisation referred to in point (a):
1. to which aircraft maintenance licence it will be converted, and
  2. which limitations shall be added in accordance with points 66.A.70(c) or (d), as applicable, and
  3. the conditions to remove the limitations, specifying the module/subjects on which examination is needed to remove the limitations and obtain a full aircraft maintenance licence, or to include an additional (sub-) category. This shall include the modules defined in Appendix III to this Annex (Part-66) not covered by the national qualification.

#### SUBPART EXAMINATION CREDITS

##### E

This Subpart provides the procedures for granting examination credits referred to in point 66.A.25(c).

#### 66.B.400 General

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (a) The [F329CAA] may only grant credit on the basis of a credit report prepared in accordance with point 66.B.405.
- (b) The credit report shall be either (i) developed by the [F329CAA] or (ii) approved by the [F329CAA] to ensure compliance with this Annex (Part-66).
- (c) Credit reports together with any change of these shall be dated and kept on record by the [F329CAA] in accordance with point 66.B.20.

#### Textual Amendments

**F329** Word in Annex 3 point 66.B.400 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 276(2) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### [F24] 66.B.405 Examination credit report

- (a) The credit report shall include a comparison between the following:
  - (i) the modules, submodules, subjects and knowledge levels contained in Appendices I or VII to this Annex (Part-66), as applicable;
  - (ii) the syllabus of the technical qualification concerned, relevant to the particular category being sought.

This comparison shall state whether compliance has been demonstrated and contain the justifications for each statement.

- (b) F330 ...
- (c) No credit can be granted unless there is a statement of compliance for each module and submodule, indicating where the equivalent standard can be found in the technical qualification.
- (d) The [F331CAA] shall check on a regular basis whether the following have changed:
  - (i) the national qualification standard;
  - (ii) Appendices I or VII to this Annex (Part-66), as applicable.

The [F331CAA] shall also assess if changes to the credit report are consequently required. Such changes shall be documented, dated and recorded.]

#### Textual Amendments

**F330** Annex 3 point 66.B.405(b) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 276(3)(a) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F331** Word in Annex 3 point 66.B.405(d) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 276(3)(b) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 66.B.410 Examination credit validity

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (a) The [F332CAA] shall notify to the applicant in writing any credits granted together with the reference to the credit report used.
- (b) Credits shall expire 10 years after they are granted.
- (c) [F24Upon expiration of the credits, the applicant may apply for new credits. The [F332CAA] shall extend the validity of the credits for an additional period of 10 years without further consideration if the basic knowledge requirements defined in Appendices I or VII to this Annex (Part-66), as applicable, have not been changed.]

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**Textual Amendments**

**F332** Word in Annex 3 point 66.B.410 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **276(4)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**SUBPART CONTINUING OVERSIGHT**  
F

This Subpart describes the procedures for the continuing oversight of the aircraft maintenance licence and in particular for the revocation, suspension or limitation of the aircraft maintenance licence.

**66.B.500 Revocation, suspension or limitation of the aircraft maintenance licence**

[F333The CAA] shall suspend, limit or revoke the aircraft maintenance licence where it has identified a safety issue or if it has clear evidence that the person has carried out or been involved in one or more of the following activities:

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**Textual Amendments**

**F333** Words in Annex 3 point 66.B.500 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **277** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

1. obtaining the aircraft maintenance licence and/or the certification privileges by falsification of documentary evidence;
2. failing to carry out requested maintenance combined with failure to report such fact to the organisation or person who requested the maintenance;
3. failing to carry out required maintenance resulting from own inspection combined with failure to report such fact to the organisation or person for whom the maintenance was intended to be carried out;
4. negligent maintenance;
5. falsification of the maintenance record;
6. issuing a certificate of release to service knowing that the maintenance specified on the certificate of release to service has not been carried out or without verifying that such maintenance has been carried out;
7. carrying out maintenance or issuing a certificate of release to service when adversely affected by alcohol or drugs;

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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8. issuing certificate of release to service while not in compliance with Annex I (Part-M), Annex II (Part-145) or Annex III (Part-66).

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**Textual Amendments**

**F295** Words in Annex 3 s. B heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 271 (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

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**Textual Amendments**

**F274** Word in Annex 3 heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 269(3)(a) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## [<sup>F24</sup> Appendix I

### Basic Knowledge Requirements

(except for category L licence)

#### 1. **Knowledge levels for category A, B1, B2, B2L, B3 and C aircraft maintenance licences**

Basic knowledge for categories A, B1, B2, B2L and B3 is indicated by knowledge levels (1, 2 or 3) of each applicable subject. Category C applicants shall meet either the category B1 or the category B2 basic knowledge levels.]

The knowledge level indicators are defined on 3 levels as follows:

— *LEVEL 1: A familiarisation with the principal elements of the subject.*

Objectives:

- (a) The applicant should be familiar with the basic elements of the subject.
- (b) The applicant should be able to give a simple description of the whole subject, using common words and examples.
- (c) The applicant should be able to use typical terms.

— *LEVEL 2: A general knowledge of the theoretical and practical aspects of the subject and an ability to apply that knowledge.*

Objectives:

- (a) The applicant should be able to understand the theoretical fundamentals of the subject.
- (b) The applicant should be able to give a general description of the subject using, as appropriate, typical examples.
- (c) The applicant should be able to use mathematical formulae in conjunction with physical laws describing the subject.
- (d) The applicant should be able to read and understand sketches, drawings and schematics describing the subject.
- (e) The applicant should be able to apply his knowledge in a practical manner using detailed procedures.

— *LEVEL 3: A detailed knowledge of the theoretical and practical aspects of the subject and a capacity to combine and apply the separate elements of knowledge in a logical and comprehensive manner.*

Objectives:

- (a) The applicant should know the theory of the subject and interrelationships with other subjects.
- (b) The applicant should be able to give a detailed description of the subject using theoretical fundamentals and specific examples.

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- (c) The applicant should understand and be able to use mathematical formulae related to the subject.
- (d) The applicant should be able to read, understand and prepare sketches, simple drawings and schematics describing the subject.
- (e) The applicant should be able to apply his knowledge in a practical manner using manufacturer's instructions.
- (f) The applicant should be able to interpret results from various sources and measurements and apply corrective action where appropriate.

## [<sup>F24</sup>2. Modularisation

Qualification on basic subjects for each aircraft maintenance licence category or subcategory shall be in accordance with the following matrix, where applicable subjects are indicated by an ' X ' :

For categories A, B1 and B3:

Subject module	A or B1 aeroplane with:		A or B1 helicopter with:		B3
	Turbine engine(s)	Piston engine(s)	Turbine engine(s)	Piston engine(s)	Piston engine non-pressurised aeroplanes of 2 000 kg MTOM and below
1	X	X	X	X	X
2	X	X	X	X	X
3	X	X	X	X	X
4	X	X	X	X	X
5	X	X	X	X	X
6	X	X	X	X	X
7A	X	X	X	X	
7B					X
8	X	X	X	X	X
9A	X	X	X	X	
9B					X
10	X	X	X	X	X
11A	X				
11B		X			
11C					X

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12			X	X	
13					
14					
15	X		X		
16		X		X	X
17A	X	X			
17B					X

For categories B2 and B2L:

Subject module/ submodules	B2	B2L
1	X	X
2	X	X
3	X	X
4	X	X
5	X	X
6	X	X
7A	X	X
7B		
8	X	X
9A	X	X
9B		
10	X	X
11A		
11B		
11C		
12		
13.1 and 13.2	X	X
13.3(a)	X	X (for system rating ‘ Autoflight ’ )
13.3(b)	X	
13.4(a)	X	X (for system rating ‘ Com/Nav ’ )
13.4(b)	X	X (for system rating ‘ Surveillance ’ )
13.4(c)	X	

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13.5	X	X
13.6	X	
13.7	X	X (for system rating ‘Autoflight’)
13.8	X	X (for system rating ‘Instruments’)
13.9	X	X
13.10	X	
13.11 to 13.18	X	X (for system rating ‘Airframe systems’)
13.19 to 13.22	X	
14	X	X (for system ratings ‘Instruments’ and ‘Airframe systems’)
15		
16		
17A		
17B ]		

## MODULE MATHEMATICS

1.

	LEVEL			
	A	B1	[ <sup>F24</sup> B2 B2L]	B3
1.1 <i>Arithmetic</i>	1	2	2	2
Arithmetical terms and signs, methods of multiplication and division, fractions and decimals, factors and multiples, weights, measures and conversion factors, ratio and proportion, averages and percentages, areas and volumes, squares, cubes,				



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	square and cube roots.				
1.2	<i>Algebra</i>				
(a)	Evaluating simple algebraic expressions, addition, subtraction, multiplication and division, use of brackets, simple algebraic fractions;	1	2	2	2
(b)	Linear equations and their solutions; Indices and powers, negative and fractional indices; Binary and other applicable numbering systems; Simultaneous equations and second degree equations with one unknown; Logarithms.	—	1	1	1
1.3	<i>Geometry</i>				
(a)	Simple geometrical constructions;	—	1	1	1
(b)	Graphical representation; nature and uses of graphs,	2	2	2	2

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	graphs of equations/functions;				
(c)	Simple trigonometry; trigonometrical relationships, use of tables and rectangular and polar coordinates.	—	2	2	2

## MODULE PHYSICS

### 2.

	LEVEL			
	A	B1	[ <sup>F24</sup> B2 B2L]	B3
2.1 <i>Matter</i>	1	1	1	1
Nature of matter: the chemical elements, structure of atoms, molecules;				
Chemical compounds;				
States: solid, liquid and gaseous;				
Changes between states.				
2.2 <i>Mechanics</i>				
2.2.1 <i>Statics</i>	1	2	1	1
Forces, moments and couples, representation as vectors;				
Centre of gravity;				

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Elements of theory of stress, strain and elasticity: tension, compression, shear and torsion;				
Nature and properties of solid, fluid and gas;				
Pressure and buoyancy in liquids (barometers).				
2.2.2 <i>Kinetics</i>	1	2	1	1
Linear movement: uniform motion in a straight line, motion under constant acceleration (motion under gravity);				
Rotational movement: uniform circular motion (centrifugal/centripetal forces);				
Periodic motion: pendular movement;				
Simple theory of vibration, harmonics and resonance;				
Velocity ratio, mechanical advantage and efficiency.				
2.2.3 <i>Dynamics</i>				

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(a) Mass; Force, inertia, work, power, energy (potential, kinetic and total energy), heat, efficiency;	1	2	1	1
(b) Momentum, conservation of momentum; Impulse; Gyroscopic principles; Friction: nature and effects, coefficient of friction (rolling resistance).	1	2	2	1
2.2.4 <i>Fluid dynamics</i>				
(a) Specific gravity and density;	2	2	2	2
(b) Viscosity, fluid resistance, effects of streamlining; Effects of compressibility on fluids; Static, dynamic and total pressure: Bernoulli's Theorem, venturi.	1	2	1	1
2.3 <i>Thermodynamics</i>				
(a) Temperature: thermometers and	2	2	2	2

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	temperature scales: Celsius, Fahrenheit and Kelvin; Heat definition;				
(b)	Heat capacity, specific heat; Heat transfer: convection, radiation and conduction; Volumetric expansion; First and second law of thermodynamics; Gases: ideal gases laws; specific heat at constant volume and constant pressure, work done by expanding gas; Isothermal, adiabatic expansion and compression, engine cycles, constant volume and constant pressure, refrigerators and heat pumps; Latent heats of fusion and evaporation, thermal energy, heat of combustion.	—	2	2	1
2.4	<i>Optics (Light)</i>	—	2	2	—
	Nature of light; speed of light;				

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Laws of reflection and refraction: reflection at plane surfaces, reflection by spherical mirrors, refraction, lenses;				
Fibre optics.				
2.5 <i>Wave Motion and Sound</i>	—	2	2	—
Wave motion: mechanical waves, sinusoidal wave motion, interference phenomena, standing waves;				
Sound: speed of sound, production of sound, intensity, pitch and quality, Doppler effect.				

### MODULE ELECTRICAL FUNDAMENTALS

#### 3.

	LEVEL			
	A	B1	[ <sup>F24</sup> B2 B2L]	B3
3.1 <i>Electron Theory</i>	1	1	1	1
Structure and distribution of electrical charges within: atoms, molecules, ions, compounds;				
Molecular structure of conductors,				

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semiconductors and insulators.				
3.2 <i>Static Electricity and Conduction</i>	1	2	2	1
Static electricity and distribution of electrostatic charges;				
Electrostatic laws of attraction and repulsion;				
Units of charge, Coulomb's Law;				
Conduction of electricity in solids, liquids, gases and a vacuum.				
3.3 <i>Electrical Terminology</i>	1	2	2	1
The following terms, their units and factors affecting them: potential difference, electromotive force, voltage, current, resistance, conductance, charge, conventional current flow, electron flow.				
3.4 <i>Generation of Electricity</i>	1	1	1	1
Production of electricity by the following methods: light, heat, friction, pressure,				

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chemical action, magnetism and motion.				
3.5 <i>DC Sources of Electricity</i>	1	2	2	2
Construction and basic chemical action of: primary cells, secondary cells, lead acid cells, nickel cadmium cells, other alkaline cells;				
Cells connected in series and parallel;				
Internal resistance and its effect on a battery;				
Construction, materials and operation of thermocouples;				
Operation of photo-cells.				
3.6 <i>DC Circuits</i>	—	2	2	1
Ohms Law, Kirchoff's Voltage and Current Laws;				
Calculations using the above laws to find resistance, voltage and current;				
Significance of the internal resistance of a supply.				



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3.7	Resistance/ Resistor	—			
(a)	Resistance and affecting factors; Specific resistance; Resistor colour code, values and tolerances, preferred values, wattage ratings; Resistors in series and parallel; Calculation of total resistance using series, parallel and series parallel combinations; Operation and use of potentiometers and rheostats; Operation of Wheatstone Bridge;	—	2	2	1
(b)	Positive and negative temperature coefficient conductance; Fixed resistors, stability, tolerance and limitations, methods of construction; Variable resistors, thermistors, voltage dependent resistors;	—	1	1	—

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Construction of potentiometers and rheostats; Construction of Wheatstone Bridge.				
3.8 <i>Power</i>	—	2	2	1
Power, work and energy (kinetic and potential);				
Dissipation of power by a resistor;				
Power formula;				
Calculations involving power, work and energy.				
3.9 <i>Capacitance/ Capacitor</i>	—	2	2	1
Operation and function of a capacitor;				
Factors affecting capacitance area of plates, distance between plates, number of plates, dielectric and dielectric constant, working voltage, voltage rating;				
Capacitor types, construction and function;				
Capacitor colour coding;				
Calculations of capacitance and voltage in series and parallel circuits;				
Exponential charge and discharge of a				

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capacitor, time constants;				
Testing of capacitors.				
3.10 <i>Magnetism</i>				
(a) Theory of magnetism; Properties of a magnet; Action of a magnet suspended in the Earth's magnetic field; Magnetisation and demagnetisation; Magnetic shielding; Various types of magnetic material; Electromagnets construction and principles of operation; Hand clasp rules to determine: magnetic field around current carrying conductor;	—	2	2	1
(b) Magnetomotive force, field strength, magnetic flux density, permeability, hysteresis loop, retentivity, coercive force reluctance, saturation point,	—	2	2	1

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eddy currents; Precautions for care and storage of magnets.				
3.11 <i>Inductance/ Inductor</i>		2	2	1
Faraday's Law;				
Action of inducing a voltage in a conductor moving in a magnetic field;				
Induction principles;				
Effects of the following on the magnitude of an induced voltage: magnetic field strength, rate of change of flux, number of conductor turns;				
Mutual induction;				
The effect the rate of change of primary current and mutual inductance has on induced voltage;				
Factors affecting mutual inductance: number of turns in coil, physical size of coil, permeability of coil, position of coils with respect to each other;				
Lenz's Law and polarity				

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determining rules;				
Back emf, self induction;				
Saturation point;				
Principle uses of inductors.				
3.12 DC Motor/Generator Theory	—	2	2	1
Basic motor and generator theory;				
Construction and purpose of components in DC generator;				
Operation of, and factors affecting output and direction of current flow in DC generators;				
Operation of, and factors affecting output power, torque, speed and direction of rotation of DC motors;				
Series wound, shunt wound and compound motors;				
Starter Generator construction.				
3.13 AC Theory	1	2	2	1
Sinusoidal waveform: phase, period, frequency, cycle;				

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Instantaneous, average, root mean square, peak, peak to peak current values and calculations of these values, in relation to voltage, current and power;				
Triangular/ Square waves;				
Single/3 phase principles.				
3.14 <i>Resistive (R), Capacitive (C) and Inductive (L) Circuits</i>	—	2	2	1
Phase relationship of voltage and current in L, C and R circuits, parallel, series and series parallel;				
Power dissipation in L, C and R circuits;				
Impedance, phase angle, power factor and current calculations;				
True power, apparent power and reactive power calculations.				
3.15 <i>Transformers</i>	—	2	2	1
Transformer construction				

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principles and operation;				
Transformer losses and methods for overcoming them;				
Transformer action under load and no-load conditions;				
Power transfer, efficiency, polarity markings;				
Calculation of line and phase voltages and currents;				
Calculation of power in a three phase system;				
Primary and Secondary current, voltage, turns ratio, power, efficiency;				
Auto transformers.				
3.16 <i>Filters</i>	—	1	1	—
Operation, application and uses of the following filters: low pass, high pass, band pass, band stop.				
3.17 <i>AC Generators</i>	—	2	2	1
Rotation of loop in a magnetic field and waveform produced;				

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Operation and construction of revolving armature and revolving field type AC generators;				
Single phase, two phase and three phase alternators;				
Three phase star and delta connections advantages and uses;				
Permanent Magnet Generators.				
3.18 AC Motors	—	2	2	1
Construction, principles of operation and characteristics of: AC synchronous and induction motors both single and polyphase;				
Methods of speed control and direction of rotation;				
Methods of producing a rotating field: capacitor, inductor, shaded or split pole.				

#### MODULE ELECTRONIC FUNDAMENTALS

4.

	LEVEL			
	A	B1	[ <sup>F24</sup> B2 B2L]	B3



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

4.1	<i>Semiconductors</i>				
4.1.1	<i>Diodes</i>				
(a)	Diode symbols; Diode characteristics and properties; Diodes in series and parallel; Main characteristics and use of silicon controlled rectifiers (thyristors), light emitting diode, photo conductive diode, varistor, rectifier diodes; Functional testing of diodes.	—	2	2	1
(b)	Materials, electron configuration, electrical properties; P and N type materials: effects of impurities on conduction, majority and minority characters; PN junction in a semiconductor, development of a potential across a PN junction in unbiased, forward biased and reverse biased conditions; Diode parameters: peak inverse voltage, maximum forward current,	—	—	2	—

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<p>temperature, frequency, leakage current, power dissipation; Operation and function of diodes in the following circuits: clippers, clampers, full and half wave rectifiers, bridge rectifiers, voltage doublers and triplers; Detailed operation and characteristics of the following devices: silicon controlled rectifier (thyristor), light emitting diode, Schottky diode, photo conductive diode, varactor diode, varistor, rectifier diodes, Zener diode.</p>				
<p>4.1.2 <i>Transistors</i></p>				
<p>(a) Transistor symbols; Component description and orientation; Transistor characteristics and properties.</p>	—	1	2	1
<p>(b) Construction and operation of PNP and NPN transistors;</p>	—	—	2	—

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	Base, collector and emitter configurations; Testing of transistors; Basic appreciation of other transistor types and their uses; Application of transistors: classes of amplifier (A, B, C); Simple circuits including: bias, decoupling, feedback and stabilisation; Multistage circuit principles: cascades, push-pull, oscillators, multivibrators, flip-flop circuits.				
4.1.3	<i>Integrated Circuits</i>				
(a)	Description and operation of logic circuits and linear circuits/operational amplifiers;	—	1	—	1
(b)	Description and operation of logic circuits and linear circuits; Introduction to operation	—	—	2	—

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<p>and function of an operational amplifier used as: integrator, differentiator, voltage follower, comparator; Operation and amplifier stages connecting methods: resistive capacitive, inductive (transformer), inductive resistive (IR), direct; Advantages and disadvantages of positive and negative feedback.</p>				
<p>4.2 <i>Printed Circuit Boards</i></p>	—	1	2	—
<p>Description and use of printed circuit boards.</p>				
<p>4.3 <i>Servomechanisms</i></p>				
<p>(a) Understanding of the following terms: Open and closed loop systems, feedback, follow up, analogue transducers; Principles of operation and use of the following synchro system</p>	—	1	—	—

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<p>components/ features: resolvers, differential, control and torque, transformers, inductance and capacitance transmitters;</p>				
<p>(b) Understanding of the following terms: Open and closed loop, follow up, servomechanism, analogue, transducer, null, damping, feedback, deadband;  Construction operation and use of the following synchro system components: resolvers, differential, control and torque, E and I transformers, inductance transmitters, capacitance transmitters, synchronous transmitters; Servomechanism defects, reversal of synchro leads, hunting.</p>	<p>—</p>	<p>—</p>	<p>2</p>	<p>—</p>

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		LEVEL				
		A	B1-1B1-3	B1-2B1-4	[ <sup>F24</sup> B2 B2L]	B3
5.1	<i>Electronic Instrument Systems</i>	1	2	2	3	1
	Typical systems arrangements and cockpit layout of electronic instrument systems.					
5.2	<i>Numbering Systems</i>	—	1	—	2	—
	Numbering systems: binary, octal and hexadecimal;					
	Demonstration of conversions between the decimal and binary, octal and hexadecimal systems and vice versa.					
5.3	<i>Data Conversion</i>	—	1	—	2	—
	Analogue Data, Digital Data;					
	Operation and application of analogue to digital, and digital to analogue converters, inputs and outputs, limitations of various types.					

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5.4	<i>Data Buses</i>	—	2	—	2	—
	Operation of data buses in aircraft systems, including knowledge of ARINC and other specifications.					
	Aircraft Network/Ethernet.					
5.5	<i>Logic Circuits</i>					
(a)	Identification of common logic gate symbols, tables and equivalent circuits; Applications used for aircraft systems, schematic diagrams.	—	2	—	2	[ <sup>F24</sup> —]
(b)	Interpretation of logic diagrams.	—	—	—	2	—
5.6	<i>Basic Computer Structure</i>					
(a)	Computer terminology (including bit, byte, software,	1	2	—	—	—

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Computer technology (as applied in aircraft systems).	hardware, CPU, IC, and various memory devices such as RAM, ROM, PROM);				
(b) Operation, layout and interface of the major components in a micro computer including their associated bus systems; Information contained in single and multiaddress instruction words; Memory associated terms; Operation of typical memory devices; Operation, advantages and disadvantages of the various data storage systems.	Computer related terminology;	—	—	2	—



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5.7	<i>Microprocessors</i>	—	—	2	—
	Functions performed and overall operation of a microprocessor;				
	Basic operation of each of the following microprocessor elements: control and processing unit, clock, register, arithmetic logic unit.				
5.8	<i>Integrated Circuits</i>	—	—	2	—
	Operation and use of encoders and decoders;				
	Function of encoder types;				
	Uses of medium, large and very large scale integration.				
5.9	<i>Multiplexing</i>	—	—	2	—
	Operation, application and identification in logic diagrams of multiplexers and demultiplexers.				
5.10	<i>Fibre Optics</i>	1	1	2	—

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Advantages and disadvantages of fibre optic data transmission over electrical wire propagation;					
Fibre optic data bus;					
Fibre optic related terms;					
Terminations;					
Couplers, control terminals, remote terminals;					
Application of fibre optics in aircraft systems.					
5.11 <i>Electronic Displays</i>	—	2	1	2	[ <sup>F24</sup> —]
Principles of operation of common types of displays used in modern aircraft, including Cathode Ray Tubes, Light Emitting Diodes and Liquid Crystal Display.					
5.12 <i>Electrostatic Sensitive Devices</i>	1	2	2	2	[ <sup>F24</sup> —]
Special handling of components					

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

sensitive to electrostatic discharges;					
Awareness of risks and possible damage, component and personnel anti-static protection devices.					
5.13 <i>Software Management Control</i>	—	2	1	2	[ <sup>F24</sup> —]
Awareness of restrictions, airworthiness requirements and possible catastrophic effects of unapproved changes to software programmes.					
5.14 <i>Electromagnetic Environment</i>	—	2	2	2	[ <sup>F24</sup> —]
Influence of the following phenomena on maintenance practices for electronic system: EMC- Electromagnetic Compatibility EMI- Electromagnetic Interference HIRF- High Intensity Radiated Field					

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

	Lightning/ lightning protection.					
5.15	— <i>Typical Electronic/ Digital Aircraft Systems</i>	2	2	2		[ <sup>F24</sup> —]
	General arrangement of typical electronic/ digital aircraft systems and associated BITE (Built In Test Equipment) such as: (a) For B1 and B2 only:					
	ACARS- ARINC Communication and Addressing and Reporting System EICAS- Engine Indication and Crew Alerting System FBW- Fly- by- Wire FMS- Flight Management System IRS- Inertial Reference System;					

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(b) For B1, B2 and B3:	ECAM- Electronic Centralised Aircraft Monitoring EFIS- Electronic Flight Instrument System GPS- Global Positioning System TCAS- Traffic Alert Collision Avoidance System Integrated Modular Avionics Cabin Systems Information Systems.				
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MODUL MATERIALS AND HARDWARE

6.

		LEVEL			
		A	B1	[ <sup>F24</sup> B2 B2L]	B3
6.1	<i>Aircraft                      Materials —                      Ferrous</i>				
(a)	Characteristics, properties and identification of common alloy steels	1	2	1	2

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	used in aircraft; Heat treatment and application of alloy steels.				
(b)	Testing of ferrous materials for hardness, tensile strength, fatigue strength and impact resistance.	—	1	1	1
6.2	<i>Aircraft Materials</i> <i>Non-Ferrous</i>	—			
(a)	Characteristics, properties and identification of common non-ferrous materials used in aircraft; Heat treatment and application of non-ferrous materials;	1	2	1	2
(b)	Testing of non-ferrous material for hardness, tensile strength, fatigue strength and	—	1	1	1

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

	impact resistance.				
6.3	<i>Aircraft Materials — Composite and Non-Metallic</i>				
6.3.1	<i>Composite and non-metallic other than wood and fabric</i>				
(a)	Characteristics, properties and identification of common composite and non-metallic materials, other than wood, used in aircraft; Sealant and bonding agents;	1	2	2	2
(b)	The detection of defects/deterioration in composite and non-metallic material; Repair of composite and	1	2	—	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

non-metallic material.				
6.3.2 <i>Wooden structures</i>	1	2	—	2
Construction methods of wooden airframe structures;				
Characteristics, properties and types of wood and glue used in aeroplanes;				
Preservation and maintenance of wooden structure;				
Types of defects in wood material and wooden structures;				
The detection of defects in wooden structure;				
Repair of wooden structure.				
6.3.3 <i>Fabric covering</i>	1	2	—	2
Characteristics, properties and types of fabrics used in aeroplanes;				
Inspections methods for fabric;				
Types of defects in fabric;				
Repair of fabric covering.				
6.4 <i>Corrosion</i>				



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

(a)	Chemical fundamentals; Formation by, galvanic action process, microbiological, stress;	1	1	1	1
(b)	Types of corrosion and their identification; Causes of corrosion; Material types, susceptibility to corrosion.	2	3	2	2
6.5	<i>Fasteners</i>				
6.5.1	<i>Screw threads</i>	2	2	2	2
	Screw nomenclature;				
	Thread forms, dimensions and tolerances for standard threads used in aircraft;				
	Measuring screw threads.				
6.5.2	<i>Bolts, studs and screws</i>	2	2	2	2
	Bolt types: specification, identification and marking of aircraft bolts, international standards;				
	Nuts: self locking, anchor, standard types;				

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Machine screws: aircraft specifications;				
Studs: types and uses, insertion and removal;				
Self tapping screws, dowels.				
6.5.3 <i>Locking devices</i>	2	2	2	2
Tab and spring washers, locking plates, split pins, pal-nuts, wire locking, quick release fasteners, keys, circlips, cotter pins.				
6.5.4 <i>Aircraft rivets</i>	1	2	1	2
Types of solid and blind rivets: specifications and identification, heat treatment.				
6.6 <i>Pipes and Unions</i>				
(a) Identification of, and types of rigid and flexible pipes and their connectors used in aircraft;	2	2	2	2
(b) Standard unions for	2	2	1	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

	aircraft hydraulic, fuel, oil, pneumatic and air system pipes.				
6.7	<i>Springs</i>	—	2	1	1
	Types of springs, materials, characteristics and applications.				
6.8	<i>Bearings</i>	1	2	2	1
	Purpose of bearings, loads, material, construction;				
	Types of bearings and their application.				
6.9	<i>Transmissions</i>	1	2	2	1
	Gear types and their application;				
	Gear ratios, reduction and multiplication gear systems, driven and driving gears, idler gears, mesh patterns;				
	Belts and pulleys, chains and sprockets.				
6.10	<i>Control Cables</i>	1	2	1	2
	Types of cables;				
	End fittings, turnbuckles and compensation devices;				

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Pulleys and cable system components;				
Bowden cables;				
Aircraft flexible control systems.				
6.11 <i>Electrical Cables and Connectors</i>	1	2	2	2
Cable types, construction and characteristics;				
High tension and co-axial cables;				
Crimping;				
Connector types, pins, plugs, sockets, insulators, current and voltage rating, coupling, identification codes.				

## MODULE MAINTENANCE PRACTICES

### 7A.

*Note:* This module does not apply to category B3. Relevant subject matters for category B3 are defined in module 7B.

	LEVEL		
	A	B1	[ <sup>F24</sup> B2 B2L]
7.1 <i>Safety Precautions-Aircraft and Workshop</i>	3	3	3
Aspects of safe working practices including precautions to take when working with electricity, gases especially oxygen, oils and chemicals.			

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Also, instruction in the remedial action to be taken in the event of a fire or another accident with one or more of these hazards including knowledge on extinguishing agents.			
7.2 <i>Workshop Practices</i>	3	3	3
Care of tools, control of tools, use of workshop materials;			
Dimensions, allowances and tolerances, standards of workmanship;			
Calibration of tools and equipment, calibration standards.			
7.3 <i>Tools</i>	3	3	3
Common hand tool types;			
Common power tool types;			
Operation and use of precision measuring tools;			
Lubrication equipment and methods.			
Operation, function and use of electrical general test equipment.			
7.4 <i>Avionic General Test Equipment</i>	—	2	3
Operation, function and use of avionic general test equipment.			

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

7.5	<i>Engineering Drawings, Diagrams and Standards</i>	1	2	2
	Drawing types and diagrams, their symbols, dimensions, tolerances and projections;			
	Identifying title block information;			
	Microfilm, microfiche and computerised presentations;			
	Specification 100 of the Air Transport Association (ATA) of America;			
	Aeronautical and other applicable standards including ISO, AN, MS, NAS and MIL;			
	Wiring diagrams and schematic diagrams.			
7.6	<i>Fits and Clearances</i>	1	2	1
	Drill sizes for bolt holes, classes of fits;			
	Common system of fits and clearances;			
	Schedule of fits and clearances for aircraft and engines;			
	Limits for bow, twist and wear;			
	Standard methods for checking shafts, bearings and other parts.			
7.7	<i>Electrical Wiring</i>	1	3	3

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

<i>Interconnection System (EWIS)</i>			
Continuity, insulation and bonding techniques and testing;			
Use of crimp tools: hand and hydraulic operated;			
Testing of crimp joints;			
Connector pin removal and insertion;			
Co-axial cables: testing and installation precautions;			
Identification of wire types, their inspection criteria and damage tolerance.			
Wiring protection techniques: Cable looming and loom support, cable clamps, protective sleeving techniques including heat shrink wrapping, shielding;			
EWIS installations, inspection, repair, maintenance and cleanliness standards.			
7.8 <i>Riveting</i>	1	2	—
Riveted joints, rivet spacing and pitch;			
Tools used for riveting and dimpling;			
Inspection of riveted joints.			

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

7.9	<i>Pipes and Hoses</i>	1	2	—
	Bending and belling/ flaring aircraft pipes;			
	Inspection and testing of aircraft pipes and hoses;			
	Installation and clamping of pipes.			
7.10	<i>Springs</i>	1	2	—
	Inspection and testing of springs.			
7.11	<i>Bearings</i>	1	2	—
	Testing, cleaning and inspection of bearings;			
	Lubrication requirements of bearings;			
	Defects in bearings and their causes.			
7.12	<i>Transmissions</i>	1	2	—
	Inspection of gears, backlash;			
	Inspection of belts and pulleys, chains and sprockets;			
	Inspection of screw jacks, lever devices, push-pull rod systems.			
7.13	<i>Control Cables</i>	1	2	—
	Swaging of end fittings;			
	Inspection and testing of control cables;			
	Bowden cables; aircraft flexible control systems.			



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7.14	<i>Material handling</i>			
7.14.1	<i>Sheet Metal</i>	—	2	—
	Marking out and calculation of bend allowance;			
	Sheet metal working, including bending and forming;			
	Inspection of sheet metal work.			
7.14.2	<i>Composite and non-metallic</i>	—	2	—
	Bonding practices;			
	Environmental conditions;			
	Inspection methods.			
7.15	<i>Welding, Brazing, Soldering and Bonding</i>			
(a)	Soldering methods; inspection of soldered joints.	—	2	2
(b)	Welding and brazing methods; Inspection of welded and brazed joints; Bonding methods and inspection of bonded joints.	—	2	—
7.16	<i>Aircraft Weight and Balance</i>			

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

(a)	Centre of Gravity/ Balance limits calculation: use of relevant documents;	—	2	2
(b)	Preparation of aircraft for weighing; Aircraft weighing.	—	2	—
7.17	<i>Aircraft Handling and Storage</i>	2	2	2
	Aircraft taxiing/ towing and associated safety precautions;			
	Aircraft jacking, chocking, securing and associated safety precautions;			
	Aircraft storage methods;			
	Refuelling/defuelling procedures;			
	De-icing/anti-icing procedures;			
	Electrical, hydraulic and pneumatic ground supplies.			
	Effects of environmental conditions on aircraft handling and operation.			
7.18	<i>Disassembly, Inspection, Repair and Assembly Techniques</i>			

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

(a)	Types of defects and visual inspection techniques; Corrosion removal, assessment and re-protection;	2	3	3
(b)	General repair methods, Structural Repair Manual; Ageing, fatigue and corrosion control programmes;	—	2	—
(c)	Non-destructive inspection techniques including, penetrant, radiographic, eddy current, ultrasonic and boroscope methods;	—	2	1
(d)	Disassembly and re-assembly techniques;	2	2	2
(e)	Trouble shooting techniques.	—	2	2
7.19	<i>Abnormal Events</i>			
(a)	Inspections following lightning strikes	2	2	2

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	and HIRF penetration;			
(b)	Inspections following abnormal events such as heavy landings and flight through turbulence.	2	2	—
7.20	<i>Maintenance Procedures</i>	1	2	2
	Maintenance planning;			
	Modification procedures;			
	Stores procedures;			
	Certification/release procedures;			
	Interface with aircraft operation;			
	Maintenance Inspection/Quality Control/Quality Assurance;			
	Additional maintenance procedures;			
	Control of life limited components.			

## MODULE MAINTENANCE PRACTICES

### 7B.

*Note:* The scope of this module shall reflect the technology of aeroplanes relevant to the B3 category.

		LEVEL
		B3
7.1	<i>Safety Precautions-Aircraft and Workshop</i>	3
	Aspects of safe working practices including precautions to take when working with	

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electricity, gases especially oxygen, oils and chemicals.	
Also, instruction in the remedial action to be taken in the event of a fire or another accident with one or more of these hazards including knowledge on extinguishing agents.	
7.2 <i>Workshop Practices</i>	3
Care of tools, control of tools, use of workshop materials;	
Dimensions, allowances and tolerances, standards of workmanship;	
Calibration of tools and equipment, calibration standards.	
7.3 <i>Tools</i>	3
Common hand tool types;	
Common power tool types;	
Operation and use of precision measuring tools;	
Lubrication equipment and methods;	
Operation, function and use of electrical general test equipment.	
7.4 <i>Avionic General Test Equipment</i>	[F241]
Operation, function and use of avionic general test equipment.	
7.5 <i>Engineering Drawings, Diagrams and Standards</i>	2
Drawing types and diagrams, their symbols, dimensions, tolerances and projections;	
Identifying title block information;	
Microfilm, microfiche and computerised presentations;	
Specification 100 of the Air Transport Association (ATA) of America;	
Aeronautical and other applicable standards including ISO, AN, MS, NAS and MIL;	
Wiring diagrams and schematic diagrams.	
7.6 <i>Fits and Clearances</i>	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Drill sizes for bolt holes, classes of fits;	
Common system of fits and clearances;	
Schedule of fits and clearances for aircraft and engines;	
Limits for bow, twist and wear;	
Standard methods for checking shafts, bearings and other parts.	
<b>7.7 Electrical Cables and Connectors</b>	2
Continuity, insulation and bonding techniques and testing;	
Use of crimp tools: hand and hydraulic operated;	
Testing of crimp joints;	
Connector pin removal and insertion;	
Co-axial cables: testing and installation precautions;	
Wiring protection techniques: Cable looming and loom support, cable clamps, protective sleeving techniques including heat shrink wrapping, shielding.	
<b>7.8 Riveting</b>	2
Riveted joints, rivet spacing and pitch;	
Tools used for riveting and dimpling;	
Inspection of riveted joints.	
<b>7.9 Pipes and Hoses</b>	2
Bending and belling/flaring aircraft pipes;	
Inspection and testing of aircraft pipes and hoses;	
Installation and clamping of pipes.	
<b>7.10 Springs</b>	[ <sup>F24</sup> 2]
Inspection and testing of springs.	
<b>7.11 Bearings</b>	2
Testing, cleaning and inspection of bearings;	
Lubrication requirements of bearings;	
Defects in bearings and their causes.	

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

7.12	<i>Transmissions</i>	2
	Inspection of gears, backlash;	
	Inspection of belts and pulleys, chains and sprockets;	
	Inspection of screw jacks, lever devices, push-pull rod systems.	
7.13	<i>Control Cables</i>	2
	Swaging of end fittings;	
	Inspection and testing of control cables;	
	Bowden cables; aircraft flexible control systems.	
7.14	<i>Material handling</i>	
7.14.1	<i>Sheet Metal</i>	2
	Marking out and calculation of bend allowance;	
	Sheet metal working, including bending and forming;	
	Inspection of sheet metal work.	
7.14.2	<i>Composite and non-metallic</i>	2
	Bonding practices;	
	Environmental conditions;	
	Inspection methods.	
7.15	<i>Welding, Brazing, Soldering and Bonding</i>	
(a)	Soldering methods; inspection of soldered joints;	2
(b)	Welding and brazing methods; Inspection of welded and brazed joints; Bonding methods and inspection of bonded joints.	2
7.16	<i>Aircraft Weight and Balance</i>	
(a)	Centre of Gravity/Balance limits calculation: use of relevant documents;	2

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(b) Preparation of aircraft for weighing; Aircraft weighing.	2
7.17 <i>Aircraft Handling and Storage</i>	2
Aircraft taxiing/towing and associated safety precautions;	
Aircraft jacking, chocking, securing and associated safety precautions;	
Aircraft storage methods;	
Refuelling/defuelling procedures;	
De-icing/anti-icing procedures;	
Electrical, hydraulic and pneumatic ground supplies;	
Effects of environmental conditions on aircraft handling and operation.	
7.18 <i>Disassembly, Inspection, Repair and Assembly Techniques</i>	
(a) Types of defects and visual inspection techniques; Corrosion removal, assessment and re-protection;	3
(b) General repair methods, Structural Repair Manual; Ageing, fatigue and corrosion control programmes;	2
(c) Non-destructive inspection techniques including, penetrant, radiographic, eddy current, ultrasonic and boroscope methods;	2
(d) Disassembly and re-assembly techniques;	2
(e) Trouble shooting techniques.	2
7.19 <i>Abnormal Events</i>	
(a) Inspections following lightning strikes and HIRF penetration.	2



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(b)	Inspections following abnormal events such as heavy landings and flight through turbulence.	2
7.20	<i>Maintenance Procedures</i>	2
	Maintenance planning;	
	Modification procedures;	
	Stores procedures;	
	Certification/release procedures;	
	Interface with aircraft operation;	
	Maintenance Inspection/Quality Control/ Quality Assurance;	
	Additional maintenance procedures;	
	Control of life limited components.	

## MODULE BASIC AERODYNAMICS

8.

	LEVEL			
	A	B1	[ <sup>F24</sup> B2 B2L]	B3
8.1 <i>Physics of the Atmosphere</i>	1	2	2	1
International Standard Atmosphere (ISA), application to aerodynamics.				
8.2 <i>Aerodynamics</i>	1	2	2	1
Airflow around a body;				
Boundary layer, laminar and turbulent flow, free stream flow, relative airflow, upwash and downwash, vortices, stagnation;				

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The terms: camber, chord, mean aerodynamic chord, profile (parasite) drag, induced drag, centre of pressure, angle of attack, wash in and wash out, fineness ratio, wing shape and aspect ratio;				
Thrust, Weight, Aerodynamic Resultant;				
Generation of Lift and Drag: Angle of Attack, Lift coefficient, Drag coefficient, polar curve, stall;				
Aerofoil contamination including ice, snow, frost.				
8.3 <i>Theory of Flight</i>	1	2	2	1
Relationship between lift, weight, thrust and drag;				
Glide ratio;				
Steady state flights, performance;				
Theory of the turn;				
Influence of load factor: stall, flight envelope and structural limitations;				

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Lift augmentation.				
8.4 <i>Flight Stability and Dynamics</i>	1	2	2	1
Longitudinal, lateral and directional stability (active and passive).				

## MODULE HUMAN FACTORS

### 9A.

*Note:* This module does not apply to category B3. Relevant subject matters for category B3 are defined in module 9B.

	LEVEL		
	A	B1	[ <sup>F24</sup> B2 B2L]
9.1 <i>General</i>	1	2	2
The need to take human factors into account;			
Incidents attributable to human factors/ human error;			
'Murphy's' law.			
9.2 <i>Human Performance and Limitations</i>	1	2	2
Vision;			
Hearing;			
Information processing;			
Attention and perception;			
Memory;			
Claustrophobia and physical access.			

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9.3	<i>Social Psychology</i>	1	1	1
	Responsibility: individual and group;			
	Motivation and demotivation;			
	Peer pressure;			
	‘Culture’ issues;			
	Team working;			
	Management, supervision and leadership.			
9.4	<i>Factors Affecting Performance</i>	2	2	2
	Fitness/health;			
	Stress: domestic and work related;			
	Time pressure and deadlines;			
	Workload: overload and underload;			
	Sleep and fatigue, shiftwork;			
	Alcohol, medication, drug abuse.			
9.5	<i>Physical Environment</i>	1	1	1
	Noise and fumes;			
	Illumination;			
	Climate and temperature;			
	Motion and vibration;			
	Working environment.			
9.6	<i>Tasks</i>	1	1	1
	Physical work;			
	Repetitive tasks;			

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Visual inspection;			
Complex systems.			
9.7 <i>Communication</i>	2	2	2
Within and between teams;			
Work logging and recording;			
Keeping up to date, currency;			
Dissemination of information.			
9.8 <i>Human Error</i>	1	2	2
Error models and theories;			
Types of error in maintenance tasks;			
Implications of errors (i.e. accidents);			
Avoiding and managing errors.			
9.9 <i>Hazards in the Workplace</i>	1	2	2
Recognising and avoiding hazards;			
Dealing with emergencies.			

## MODULE HUMAN FACTORS

### 9B.

*Note:* The scope of this module shall reflect the less demanding environment of maintenance for B3 licence holders.

	LEVEL
	B3
9.1 <i>General</i>	2
The need to take human factors into account;	

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Incidents attributable to human factors/ human error;	
‘Murphy’s’ law.	
9.2 <i>Human Performance and Limitations</i>	2
Vision;	
Hearing;	
Information processing;	
Attention and perception;	
Memory;	
Claustrophobia and physical access.	
9.3 <i>Social Psychology</i>	1
Responsibility: individual and group;	
Motivation and de-motivation;	
Peer pressure;	
‘Culture’ issues;	
Team working;	
Management, supervision and leadership.	
9.4 <i>Factors Affecting Performance</i>	2
Fitness/health;	
Stress: domestic and work related;	
Time pressure and deadlines;	
Workload: overload and underload;	
Sleep and fatigue, shiftwork;	
Alcohol, medication, drug abuse.	
9.5 <i>Physical Environment</i>	1
Noise and fumes;	
Illumination;	
Climate and temperature;	
Motion and vibration;	
Working environment.	
9.6 <i>Tasks</i>	1
Physical work;	

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Repetitive tasks;	
Visual inspection;	
Complex systems.	
9.7 <i>Communication</i>	2
Within and between teams;	
Work logging and recording;	
Keeping up to date, currency;	
Dissemination of information.	
9.8 <i>Human Error</i>	2
Error models and theories;	
Types of error in maintenance tasks;	
Implications of errors (i.e. accidents);	
Avoiding and managing errors.	
9.9 <i>Hazards in the Workplace</i>	2
Recognising and avoiding hazards;	
Dealing with emergencies.	

## <sup>F14</sup>MODUL 10. AVIATION LEGISLATION

	LEVEL			
		A	B1	B2 B2L
10.1 <i>Regulatory Framework</i> Role of the International Civil Aviation Organisation; <sup>F334</sup> ... [ <sup>F335</sup> Role of the CAA]; [ <sup>F336</sup> Role of the Secretary of State];		1	1	1

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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	Regulations (EU) 2018/1139, Regulation (EU) No 748/2012, Regulation (EU) No 1321/2014 and Regulation (EU) No 376/2014; Relation between the various Annexes (Parts) of Regulation (EU) No 748/2012, Regulation (EU) No 1321/2014 and Regulation (EU) No 965/2012			
10.2	<i>Certifying Staff – Maintenance</i> Detailed understanding of Part-66.	2	2	2
10.3	<i>Approved Maintenance Organisations</i> Detailed understanding of Part-145 and Part-M	2	2	2



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

	Subpart F.				
10.4	<i>Air operations</i> General understanding of Regulation (EU) No 965/2012. Air Operators Certificates; Operator's responsibilities, in particular regarding continuing airworthiness and maintenance; Aircraft Maintenance Programme; MEL// CDL; Documents to be carried on board; Aircraft placarding (markings).	1	1	1	1
10.5	<i>Certification of aircraft, parts and appliances</i>				
(a)	General understanding of Part 21 and [F337 CAA] certification specifications CS-23,	—	1	1	1

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

	25, 27, 29.			
(b)	Documents—Certificate of Airworthiness; restricted certificates of airworthiness and permit to fly; Certificate of Registration; Noise Certificate; Weight Schedule; Radio Station Licence and Approval.	2	2	2
10.6	<i>Continuing airworthiness</i> Detailed understanding of Part 21 provisions related to continuing airworthiness. Detailed understanding of Part-M.	2	2	2
10.7	<i>Applicable National and International Requirements for (if not superseded by EU requirements).</i>			

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

(a)	<p>Maintenance Programmes, Maintenance checks and inspections; Airworthiness Directives; Service Bulletins, manufacturers service information; Modifications and repairs; Maintenance documentation: maintenance manuals, structural repair manual, illustrated parts catalogue, etc.; Only for A to B2 licences: Master Minimum Equipment Lists, Minimum Equipment List, Dispatch Deviation Lists;</p>	2	2	2
(b)	<p>Continuing—airworthiness; Minimum equipment requirements — Test flights; Only for B1 and B2 licences;</p>	1	1	1]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

ETOPS, maintenance and dispatch requirements; All Weather Operations, Category 2/3 operations.			
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#### Textual Amendments

- F334** Words in Annex 3 Appendix 1, point 2, Module 10 omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **278(2)(a)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F335** Words in Annex 3 Appendix 1, point 2, Module 10 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **278(2)(a)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F336** Words in Annex 3 Appendix 1, point 2, Module 10 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **278(2)(a)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F337** Word in Annex 3 Appendix 1, point 2, Module 10 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **278(2)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### MODULE TURBINE AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS 11A.

	LEVEL	
	A1	B1.1
11.1 <i>Theory of Flight</i>		
11.1.1. <i>Aeroplane Aerodynamics and Flight Controls</i>	1	2
Operation and effect of: — roll control: ailerons and spoilers, — pitch control: elevators, stabilators, variable incidence stabilisers and canards, — yaw control, rudder limiters;	—	—
Control using elevons, ruddervators;		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

High lift devices, slots, slats, flaps, flaperons;		
Drag inducing devices, spoilers, lift dumpers, speed brakes;		
Effects of wing fences, saw tooth leading edges;		
Boundary layer control using, vortex generators, stall wedges or leading edge devices;		
Operation and effect of trim tabs, balance and antibalance (leading) tabs, servo tabs, spring tabs, mass balance, control surface bias, aerodynamic balance panels.		
11.1.2. <i>High Speed Flight</i>	1	2
Speed of sound, subsonic flight, transonic flight, supersonic flight;		
Mach number, critical Mach number, compressibility buffet, shock wave, aerodynamic heating, area rule;		
Factors affecting airflow in engine intakes of high speed aircraft;		
Effects of sweepback on critical Mach number.		
11.2 <i>Airframe Structures — General Concepts</i>		
(a) Airworthiness requirements for structural strength; Structural classification, primary, secondary and tertiary; Fail safe, safe life, damage tolerance concepts; Zonal and station identification systems;	2	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Stress, strain, bending, compression, shear, torsion, tension, hoop stress, fatigue; Drains and ventilation provisions; System installation provisions; Lightning strike protection provision; Aircraft bonding.		
(b) Construction methods of: stressed skin fuselage, formers, stringers, longerons, bulkheads, frames, doublers, struts, ties, beams, floor structures, reinforcement, methods of skinning, anti-corrosive protection, wing, empennage and engine attachments; Structure assembly techniques: riveting, bolting, bonding; Methods of surface protection, such as chromating, anodising, painting; Surface cleaning; Airframe symmetry: methods of alignment and symmetry checks.	1	2
11.3 <i>Airframe Structures — Aeroplanes</i>		
11.3.1 <i>Fuselage (ATA 52/53/56)</i>	1	2
Construction and pressurisation sealing;		
Wing, stabiliser, pylon and undercarriage attachments;		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Seat installation and cargo loading system;		
Doors and emergency exits: construction, mechanisms, operation and safety devices;		
Windows and windscreen construction and mechanisms.		
11.3.2 <i>Wings (ATA 57)</i>	1	2
Construction;		
Fuel storage;		
Landing gear, pylon, control surface and high lift/drag attachments.		
11.3.3 <i>Stabilisers (ATA 55)</i>	1	2
Construction;		
Control surface attachment.		
11.3.4 <i>Flight Control Surfaces (ATA 55/57)</i>	1	2
Construction and attachment;		
Balancing — mass and aerodynamic.		
11.3.5 <i>Nacelles/Pylons (ATA 54)</i>	1	2
Nacelles/Pylons: — Construction, — Firewalls, — Engine mounts.	—	—
11.4 <i>Air Conditioning and Cabin Pressurisation (ATA 21)</i>		
11.4.1 <i>Air supply</i>	1	2
Sources of air supply including engine bleed, APU and ground cart.		
11.4.2 <i>Air Conditioning</i>	1	3

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Air conditioning systems;		
Air cycle and vapour cycle machines;		
Distribution systems;		
Flow, temperature and humidity control system.		
11.4.3 <i>Pressurisation</i>	1	3
Pressurisation systems;		
Control and indication including control and safety valves;		
Cabin pressure controllers.		
11.4.4 <i>Safety and warning devices</i>	1	3
Protection and warning devices.		
11.5 <i>Instruments/Avionic Systems</i>		
11.5.1 <i>Instrument Systems (ATA 31)</i>	1	2
Pitot static: altimeter, air speed indicator, vertical speed indicator;		
Gyroscopic: artificial horizon, attitude director, direction indicator, horizontal situation indicator, turn and slip indicator, turn coordinator;		
Compasses: direct reading, remote reading;		
Angle of attack indication, stall warning systems;		
Glass cockpit;		
Other aircraft system indication.		
11.5.2 <i>Avionic Systems</i>	1	1
Fundamentals of system layouts and operation of:	—	—



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Auto Flight (ATA 22),		
—	Communications (ATA 23),		
—	Navigation Systems (ATA 34).		
11.6	<i>Electrical Power (ATA 24)</i>	1	3
	Batteries Installation and Operation;		
	DC power generation;		
	AC power generation;		
	Emergency power generation;		
	Voltage regulation;		
	Power distribution;		
	Inverters, transformers, rectifiers;		
	Circuit protection;		
	External/Ground power.		
11.7	<i>Equipment and Furnishings (ATA 25)</i>		
(a)	Emergency equipment requirements; Seats, harnesses and belts.	2	2
(b)	Cabin lay-out; Equipment lay-out; Cabin Furnishing installation; Cabin entertainment equipment; Galley installation; Cargo handling and retention equipment; Airstairs.	1	1
11.8	<i>Fire Protection (ATA 26)</i>	1	3
(a)	Fire and smoke detection and warning systems;		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Fire extinguishing systems; System tests;		
(b) Portable fire extinguisher.	1	[F242]
11.9 <i>Flight Controls (ATA 27)</i>	1	3
Primary controls: aileron, elevator, rudder, spoiler;		
Trim control;		
Active load control;		
High lift devices;		
Lift dump, speed brakes;		
System operation: manual, hydraulic, pneumatic, electrical, fly-by-wire;		
Artificial feel, Yaw damper, Mach trim, rudder limiter, gust lock systems;		
Balancing and rigging;		
Stall protection/warning system.		
11.10 <i>Fuel Systems (ATA 28)</i>	1	3
System lay-out;		
Fuel tanks;		
Supply systems;		
Dumping, venting and draining;		
Cross-feed and transfer;		
Indications and warnings;		
Refuelling and defuelling;		
Longitudinal balance fuel systems.		
11.11 <i>Hydraulic Power (ATA 29)</i>	1	3
System lay-out;		
Hydraulic fluids;		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Hydraulic reservoirs and accumulators;		
Pressure generation: electric, mechanical, pneumatic;		
Emergency pressure generation;		
Filters;		
Pressure Control;		
Power distribution;		
Indication and warning systems;		
Interface with other systems.		
11.12 <i>Ice and Rain Protection (ATA 30)</i>	1	3
Ice formation, classification and detection;		
Anti-icing systems: electrical, hot air and chemical;		
De-icing systems: electrical, hot air, pneumatic and chemical;		
Rain repellent;		
Probe and drain heating;		
Wiper systems.		
11.13 <i>Landing Gear (ATA 32)</i>	2	3
Construction, shock absorbing;		
Extension and retraction systems: normal and emergency;		
Indications and warning;		
Wheels, brakes, antiskid and autobraking;		
Tyres;		
Steering;		
Air-ground sensing.		
11.14 <i>Lights (ATA 33)</i>	2	3

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

External: navigation, anti collision, landing, taxiing, ice;		
Internal: cabin, cockpit, cargo;		
Emergency.		
11.15 <i>Oxygen (ATA 35)</i>	1	3
System lay-out: cockpit, cabin;		
Sources, storage, charging and distribution;		
Supply regulation;		
Indications and warnings.		
[ <sup>F24</sup> 11.16 <i>Pneumatic/Vacuum (ATA 36)</i> ]	1	3
[ <sup>F24</sup> System lay-out;]		
[ <sup>F24</sup> Sources: engine/APU (Auxiliary Power Unit), compressors, reservoirs, ground supply;]		
[ <sup>F24</sup> Pressure and vacuum pumps;]		
[ <sup>F24</sup> Pressure control;]		
[ <sup>F24</sup> Distribution;]		
[ <sup>F24</sup> Indications and warnings;]		
[ <sup>F24</sup> Interfaces with other systems.]		
11.17 <i>Water/Waste (ATA 38)</i>	2	3
Water system lay-out, supply, distribution, servicing and draining;		
Toilet system lay-out, flushing and servicing;		
Corrosion aspects.		
11.18 <i>On Board Maintenance Systems (ATA 45)</i>	1	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Central maintenance computers;		
Data loading system;		
Electronic library system;		
Printing;		
Structure monitoring (damage tolerance monitoring).		
11.19 <i>Integrated Modular Avionics (ATA42)</i>	1	2
Functions that may be typically integrated in the Integrated Modular Avionic (IMA) modules are, among others: Bleed Management, Air Pressure Control, Air Ventilation and Control, Avionics and Cockpit Ventilation Control, Temperature Control, Air Traffic Communication, Avionics Communication Router, Electrical Load Management, Circuit Breaker Monitoring, Electrical System BITE, Fuel Management, Braking Control, Steering Control, Landing Gear Extension and Retraction, Tyre Pressure Indication, Oleo Pressure Indication, Brake Temperature Monitoring, etc.		
Core System; Network Components.		
[ <sup>F24</sup> 11.20 <i>Cabin Systems (ATA44)</i> ]	1	2
[ <sup>F24</sup> The units and components which furnish a means of entertaining the passengers and providing communication within the aircraft (Cabin Intercommunication Data System (CIDS)) and between		

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the aircraft cabin and ground stations (Cabin Network Service (CNS)). They include voice, data, music and video transmissions.]		
[ <sup>F24</sup> CIDS provides an interface between cockpit/ cabin crew and cabin systems. These systems support data exchange between the different related Line Replaceable Units (LRUs) and they are typically operated via Flight Attendant Panels (FAPs).]		
[ <sup>F24</sup> CNS typically consists of a server, interfacing with, among others, the following systems: — Data/Radio Communication; — Cabin Core System (CCS); — In-flight Entertainment System (IFES); — External Communication System (ECS); — Cabin Mass Memory System (CMMS); — Cabin Monitoring System (CMS); — Miscellaneous Cabin Systems (MCSs).]	—	—
[ <sup>F24</sup> CNS may host functions such as: — access to pre-departure/departure reports; — e-mail/intranet/internet access; passenger database.]	—	—
Cabin Core System;		
In-flight Entertainment System;		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

External Communication System;		
Cabin Mass Memory System;		
Cabin Monitoring System;		
Miscellaneous Cabin System.		
11.21 <i>Information Systems (ATA46)</i>	1	2
The units and components which furnish a means of storing, updating and retrieving digital information traditionally provided on paper, microfilm or microfiche. Includes units that are dedicated to the information storage and retrieval function such as the electronic library mass storage and controller. Does not include units or components installed for other uses and shared with other systems, such as flight deck printer or general use display.		
Typical examples include Air Traffic and Information Management Systems and Network Server Systems		
Aircraft General Information System;		
Flight Deck Information System;		
Maintenance Information System;		
Passenger Cabin Information System;		
Miscellaneous Information System.		

## MODULE 11B. EIPSTON AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS

*Note 1:* This module does not apply to category B3. Relevant subject matters for category B3 are defined in module 11C.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

*Note 2:* The scope of this Module shall reflect the technology of aeroplanes pertinent to the A2 and B1.2 subcategory.

	LEVEL	
	A2	B1.2
11.1 <i>Theory of Flight</i>		
11.1.1. <i>Aeroplane Aerodynamics and Flight Controls</i>	1	2
Operation and effect of: — roll control: ailerons and spoilers, — pitch control: elevators, stabilators, variable incidence stabilisers and canards, — yaw control, rudder limiters;	—	—
Control using elevons, ruddervators;		
High lift devices, slots, slats, flaps, flaperons;		
Drag inducing devices, spoilers, lift dumpers, speed brakes;		
Effects of wing fences, saw tooth leading edges;		
Boundary layer control using, vortex generators, stall wedges or leading edge devices;		
Operation and effect of trim tabs, balance and antibalance (leading) tabs, servo tabs, spring tabs, mass balance, control surface bias, aerodynamic balance panels.		
11.1.2. <i>High Speed Flight — N/A</i>	—	—
11.2 <i>Airframe Structures — General Concepts</i>		



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

<p>(a) Airworthiness requirements for structural strength; Structural classification, primary, secondary and tertiary; Fail safe, safe life, damage tolerance concepts; Zonal and station identification systems; Stress, strain, bending, compression, shear, torsion, tension, hoop stress, fatigue; Drains and ventilation provisions; System installation provisions; Lightning strike protection provision; Aircraft bonding.</p>	2	2
<p>(b) Construction methods of: stressed skin fuselage, formers, stringers, longerons, bulkheads, frames, doublers, struts, ties, beams, floor structures, reinforcement, methods of skinning, anti-corrosive protection, wing, empennage and engine attachments; Structure assembly techniques: riveting, bolting, bonding; Methods of surface protection, such as chromating, anodising, painting; Surface cleaning; Airframe symmetry: methods of alignment and symmetry checks.</p>	1	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

11.3	<i>Airframe Structures — Aeroplanes</i>		
11.3.1	<i>Fuselage (ATA 52/53/56)</i>	1	2
	Construction and pressurisation sealing;		
	Wing, tail-plane, pylon and undercarriage attachments;		
	Seat installation;		
	Doors and emergency exits: construction and operation;		
	Windows and windscreen attachment.		
11.3.2	<i>Wings (ATA 57)</i>	1	2
	Construction;		
	Fuel storage;		
	Landing gear, pylon, control surface and high lift/drag attachments.		
11.3.3	<i>Stabilisers (ATA 55)</i>	1	2
	Construction;		
	Control surface attachment.		
11.3.4	<i>Flight Control Surfaces (ATA 55/57)</i>	1	2
	Construction and attachment;		
	Balancing — mass and aerodynamic.		
11.3.5	<i>Nacelles/Pylons (ATA 54)</i>	1	2
	Nacelles/Pylons:	—	—
	— Construction,		
	— Firewalls,		
	— Engine mounts.		
11.4	<i>Air Conditioning and Cabin</i>	1	3

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

	<i>Pressurisation (ATA 21)</i>	
	Pressurisation and air conditioning systems;	
	Cabin pressure controllers, protection and warning devices;	
	Heating systems.	
11.5	<i>Instruments/Avionic Systems</i>	
11.5.1	<i>Instrument Systems (ATA 31)</i>	2
	Pitot static: altimeter, air speed indicator, vertical speed indicator;	
	Gyroscopic: artificial horizon, attitude director, direction indicator, horizontal situation indicator, turn and slip indicator, turn coordinator;	
	Compasses: direct reading, remote reading;	
	Angle of attack indication, stall warning systems;	
	Glass cockpit;	
	Other aircraft system indication.	
11.5.2	<i>Avionic Systems</i>	1
	Fundamentals of system layouts and operation of:	
	— Auto Flight (ATA 22),	
	— Communications (ATA 23),	
	— Navigation Systems (ATA 34).	
11.6	<i>Electrical Power (ATA 24)</i>	3
	Batteries Installation and Operation;	

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

	DC power generation;		
	Voltage regulation;		
	Power distribution;		
	Circuit protection;		
	Inverters, transformers.		
11.7	<i>Equipment and Furnishings (ATA 25)</i>		
(a)	Emergency equipment requirements; Seats, harnesses and belts;	2	2
(b)	Cabin lay-out; Equipment lay-out; Cabin Furnishing installation; Cabin entertainment equipment; Galley installation; Cargo handling and retention equipment; Airstairs.	1	1
11.8	<i>Fire Protection (ATA 26)</i>		
(a)	Fire and smoke detection and warning systems; Fire extinguishing systems; System tests;	1	3
(b)	Portable fire extinguisher.	1	[F24]2
11.9	<i>Flight Controls (ATA 27)</i>	1	3
	Primary controls: aileron, elevator, rudder;		
	Trim tabs;		
	High lift devices;		
	System operation: manual;		
	Gust locks;		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Balancing and rigging;		
Stall warning system.		
11.10 <i>Fuel Systems (ATA 28)</i>	1	3
System lay-out;		
Fuel tanks;		
Supply systems;		
Cross-feed and transfer;		
Indications and warnings;		
Refuelling and defuelling.		
11.11 <i>Hydraulic Power (ATA 29)</i>	1	3
System lay-out;		
Hydraulic fluids;		
Hydraulic reservoirs and accumulators;		
Pressure generation: electric, mechanical;		
Filters;		
Pressure Control;		
Power distribution;		
Indication and warning systems.		
11.12 <i>Ice and Rain Protection (ATA 30)</i>	1	3
Ice formation, classification and detection;		
De-icing systems: electrical, hot air, pneumatic and chemical;		
Probe and drain heating;		
Wiper systems.		
11.13 <i>Landing Gear (ATA 32)</i>	2	3
Construction, shock absorbing;		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Extension and retraction systems: normal and emergency;		
Indications and warning;		
Wheels, brakes, antiskid and autobraking;		
Tyres;		
Steering;		
Air-ground sensing.		
11.14 <i>Lights (ATA 33)</i>	2	3
External: navigation, anti collision, landing, taxiing, ice;		
Internal: cabin, cockpit, cargo;		
Emergency.		
11.15 <i>Oxygen (ATA 35)</i>	1	3
System lay-out: cockpit, cabin;		
Sources, storage, charging and distribution;		
Supply regulation;		
Indications and warnings.		
[ <sup>F24</sup> 11.16 <i>Pneumatic/Vacuum (ATA 36)</i> ]	1	3
[ <sup>F24</sup> System lay-out;]		
[ <sup>F24</sup> Sources: engine/APU, compressors, reservoirs, ground supply;]		
[ <sup>F24</sup> Pressure and vacuum pumps;]		
[ <sup>F24</sup> Pressure control;]		
[ <sup>F24</sup> Distribution;]		
[ <sup>F24</sup> Indications and warnings;]		
[ <sup>F24</sup> Interfaces with other systems.]		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

11.17 <i>Water/Waste (ATA 38)</i>	2	3
Water system lay-out, supply, distribution, servicing and draining;		
Toilet system lay-out, flushing and servicing;		
Corrosion aspects.		

## MODULE 11C: AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS

*Note:* The scope of this module shall reflect the technology of aeroplanes pertinent to the B3 category.

	<b>LEVEL</b>
	<b>B3</b>
11.1 <i>Theory of Flight</i>	
<i>Aeroplane Aerodynamics and Flight Controls</i>	1
Operation and effect of:	—
— roll control: ailerons,	
— pitch control: elevators, stabilators, variable incidence stabilisers and canards,	
— yaw control, rudder limiters;	
Control using elevons, ruddervators;	
High lift devices, slots, slats, flaps, flaperons;	
Drag inducing devices, lift dumpers, speed brakes;	
Effects of wing fences, saw tooth leading edges;	
Boundary layer control using, vortex generators, stall wedges or leading edge devices;	
Operation and effect of trim tabs, balance and anti-balance (leading) tabs, servo tabs, spring tabs, mass balance, control surface bias, aerodynamic balance panels.	
11.2 <i>Airframe Structures — General Concepts</i>	
(a) Airworthiness requirements for structural strength;	2

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Structural classification, primary, secondary and tertiary; Fail safe, safe life, damage tolerance concepts; Zonal and station identification systems; Stress, strain, bending, compression, shear, torsion, tension, hoop stress, fatigue; Drains and ventilation provisions; System installation provisions; Lightning strike protection provision; Aircraft bonding;	
(b) Construction methods of: stressed skin fuselage, formers, stringers, longerons, bulkheads, frames, doublers, struts, ties, beams, floor structures, reinforcement, methods of skinning, anti-corrosive protection, wing, empennage and engine attachments; Structure assembly techniques: riveting, bolting, bonding; Methods of surface protection, such as chromating, anodising, painting; Surface cleaning; Airframe symmetry: methods of alignment and symmetry checks.	2
11.3 <i>Airframe Structures — Aeroplanes</i>	
11.3.1 <i>Fuselage (ATA 52/53/56)</i>	1
Construction;	
Wing, tail-plane, pylon and undercarriage attachments;	
Seat installation;	
Doors and emergency exits: construction and operation;	
Window and windscreen attachment.	
11.3.2 <i>Wings (ATA 57)</i>	1
Construction;	
Fuel storage;	
Landing gear, pylon, control surface and high lift/drag attachments.	
11.3.3 <i>Stabilisers (ATA 55)</i>	1
Construction;	



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Control surface attachment.	
11.3.4 <i>Flight Control Surfaces (ATA 55/57)</i>	1
Construction and attachment;	
Balancing — mass and aerodynamic.	
11.3.5 <i>Nacelles/Pylons (ATA 54)</i>	
Nacelles/Pylons:	1
— Construction,	
— Firewalls,	
— Engine mounts.	
11.4 <i>Air Conditioning (ATA 21)</i>	
Heating and ventilation systems.	1
11.5 <i>Instruments/Avionic Systems</i>	
11.5.1 <i>Instrument Systems (ATA 31)</i>	1
Pitot static: altimeter, air speed indicator, vertical speed indicator;	
Gyroscopic: artificial horizon, attitude director, direction indicator, horizontal situation indicator, turn and slip indicator, turn coordinator;	
Compasses: direct reading, remote reading;	
Angle of attack indication, stall warning systems;	
Glass cockpit;	
Other aircraft system indication.	
11.5.2 <i>Avionic Systems</i>	1
Fundamentals of system lay-outs and operation of:	—
— Auto Flight (ATA 22),	
— Communications (ATA 23),	
— Navigation Systems (ATA 34).	
11.6 <i>Electrical Power (ATA 24)</i>	2
Batteries Installation and Operation;	
DC power generation;	
Voltage regulation;	
Power distribution;	

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Circuit protection;	
Inverters, transformers.	
11.7 <i>Equipment and Furnishings (ATA 25)</i>	2
Emergency equipment requirements;	
Seats, harnesses and belts.	
11.8 <i>Fire Protection (ATA 26)</i>	2
Portable fire extinguisher.	
11.9 <i>Flight Controls (ATA 27)</i>	3
Primary controls: aileron, elevator, rudder;	
Trim tabs;	
High lift devices;	
System operation: manual;	
Gust locks;	
Balancing and rigging;	
Stall warning system.	
11.10 <i>Fuel Systems (ATA 28)</i>	2
System lay-out;	
Fuel tanks;	
Supply systems;	
Cross-feed and transfer;	
Indications and warnings;	
Refuelling and defuelling.	
11.11 <i>Hydraulic Power (ATA 29)</i>	2
System lay-out;	
Hydraulic fluids;	
Hydraulic reservoirs and accumulators;	
Pressure generation: electric, mechanical;	
Filters;	
Pressure Control;	
Power distribution;	
Indication and warning systems.	

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11.12	<i>Ice and Rain Protection (ATA 30)</i>	1
	Ice formation, classification and detection;	
	De-icing systems: electrical, hot air, pneumatic and chemical;	
	Probe and drain heating;	
	Wiper systems.	
11.13	<i>Landing Gear (ATA 32)</i>	2
	Construction, shock absorbing;	
	Extension and retraction systems: normal and emergency;	
	Indications and warning;	
	Wheels, brakes, antiskid and autobraking;	
	Tyres;	
	Steering.	
11.14	<i>Lights (ATA 33)</i>	2
	External: navigation, anti collision, landing, taxiing, ice;	
	Internal: cabin, cockpit, cargo;	
	Emergency.	
11.15	<i>Oxygen (ATA 35)</i>	2
	System lay-out: cockpit, cabin;	
	Sources, storage, charging and distribution;	
	Supply regulation;	
	Indications and warnings.	
11.16	<i>Pneumatic/Vacuum (ATA 36)</i>	2
	System lay-out;	
	Sources: engine/APU, compressors, reservoirs, ground supply;	
	Pressure and vacuum pumps	
	Pressure control;	
	Distribution;	
	Indications and warnings;	
	Interfaces with other systems.	

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## MODULE HELICOPTER AERODYNAMICS, STRUCTURES AND SYSTEMS

### 12.

	LEVEL	
	A3A4	B1.3B1.4
12.1 <i>Theory of Flight — Rotary Wing Aerodynamics</i>	1	2
Terminology;		
Effects of gyroscopic precession;		
Torque reaction and directional control;		
Dissymmetry of lift, Blade tip stall;		
Translating tendency and its correction;		
Coriolis effect and compensation;		
Vortex ring state, power settling, overpitching;		
Auto-rotation;		
Ground effect.		
12.2 <i>Flight Control Systems</i>	2	3
Cyclic control;		
Collective control;		
Swashplate;		
Yaw control: Anti-Torque Control, Tail rotor, bleed air;		
Main Rotor Head: Design and Operation features;		
Blade Dampers: Function and construction;		
Rotor Blades: Main and tail rotor blade construction and attachment;		
Trim control, fixed and adjustable stabilisers;		

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System operation: manual, hydraulic, electrical and fly-by-wire;		
Artificial feel;		
Balancing and rigging.		
12.3 <i>Blade Tracking and Vibration Analysis</i>	1	3
Rotor alignment;		
Main and tail rotor tracking;		
Static and dynamic balancing;		
Vibration types, vibration reduction methods;		
Ground resonance.		
12.4 <i>Transmission</i>	1	3
Gear boxes, main and tail rotors;		
Clutches, free wheel units and rotor brake;		
Tail rotor drive shafts, flexible couplings, bearings, vibration dampers and bearing hangers.		
12.5 <i>Airframe Structures</i>		
(a) Airworthiness requirements for structural strength; Structural classification, primary, secondary and tertiary; Fail safe, safe life, damage tolerance concepts; Zonal and station identification systems; Stress, strain, bending, compression, shear, torsion, tension, hoop stress, fatigue; Drains and ventilation provisions; System installation provisions;	2	2

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Lightning strike protection provision;		
(b) Construction methods of: stressed skin fuselage, formers, stringers, longerons, bulkheads, frames, doublers, struts, ties, beams, floor structures, reinforcement, methods of skinning and anti-corrosive protection. Pylon, stabiliser and undercarriage attachments; Seat installation; Doors: construction, mechanisms, operation and safety devices; Windows and windscreen construction; Fuel storage; Firewalls; Engine mounts; Structure assembly techniques: riveting, bolting, bonding; Methods of surface protection, such as chromating, anodising, painting; Surface cleaning. Airframe symmetry: methods of alignment and symmetry checks.	1	2
12.6 <i>Air Conditioning (ATA 21)</i>		
12.6.1 <i>Air supply</i>	1	2
Sources of air supply including engine bleed and ground cart.		
12.6.2 <i>Air conditioning</i>	1	3
Air conditioning systems;		
Distribution systems;		

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Flow and temperature control systems;		
Protection and warning devices.		
12.7 <i>Instruments/Avionic Systems</i>		
12.7.1 <i>Instrument Systems (ATA 31)</i>	1	2
Pitot static: altimeter, air speed indicator, vertical speed indicator;		
Gyroscopic: artificial horizon, attitude director, direction indicator, horizontal situation indicator, turn and slip indicator, turn coordinator;		
Compasses: direct reading, remote reading;		
Vibration indicating systems — HUMS;		
Glass cockpit;		
Other aircraft system indication.		
12.7.2 <i>Avionic Systems</i>	1	1
Fundamentals of system layouts and operation of: Auto Flight (ATA 22); Communications (ATA 23); Navigation Systems (ATA 34).		
12.8 <i>Electrical Power (ATA 24)</i>	1	3
Batteries Installation and Operation;		
DC power generation, AC power generation;		
Emergency power generation;		

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Voltage regulation, Circuit protection.		
Power distribution;		
Inverters, transformers, rectifiers;		
External/Ground power.		
12.9 <i>Equipment and Furnishings (ATA 25)</i>		
(a) Emergency equipment requirements; Seats, harnesses and belts; Lifting systems;	2	2
(b) Emergency flotation systems; Cabin lay-out, cargo retention; Equipment lay-out; Cabin Furnishing Installation.	1	1
12.10 <i>Fire Protection (ATA 26)</i>	1	3
Fire and smoke detection and warning systems;		
Fire extinguishing systems;		
System tests.		
12.11 <i>Fuel Systems (ATA 28)</i>	1	3
System lay-out;		
Fuel tanks;		
Supply systems;		
Dumping, venting and draining;		
Cross-feed and transfer;		
Indications and warnings;		
Refuelling and defuelling.		
12.12 <i>Hydraulic Power (ATA 29)</i>	1	3



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System lay-out;		
Hydraulic fluids;		
Hydraulic reservoirs and accumulators;		
Pressure generation: electric, mechanical, pneumatic;		
Emergency pressure generation;		
Filters;		
Pressure Control;		
Power distribution;		
Indication and warning systems;		
Interface with other systems.		
12.13 <i>Ice and Rain Protection (ATA 30)</i>	1	3
Ice formation, classification and detection;		
Anti-icing and De-icing systems: electrical, hot air and chemical;		
Rain repellent and removal;		
Probe and drain heating;		
Wiper system.		
12.14 <i>Landing Gear (ATA 32)</i>	2	3
Construction, shock absorbing;		
Extension and retraction systems: normal and emergency;		
Indications and warning;		
Wheels, Tyres, brakes;		
Steering;		
Air-ground sensing;		
Skids, floats.		
12.15 <i>Lights (ATA 33)</i>	2	3

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External: navigation, landing, taxiing, ice;		
Internal: cabin, cockpit, cargo;		
Emergency.		
[ <sup>F24</sup> 12.16 <i>Pneumatic/Vacuum (ATA 36)</i> ]	1	3
[ <sup>F24</sup> System lay-out;]		
[ <sup>F24</sup> Sources: engine/APU, compressors, reservoirs, ground supply;]		
[ <sup>F24</sup> Pressure and vacuum pumps;]		
[ <sup>F24</sup> Pressure control;]		
[ <sup>F24</sup> Distribution;]		
[ <sup>F24</sup> Indications and warnings;]		
[ <sup>F24</sup> Interfaces with other systems.]		
12.17 <i>Integrated Modular Avionics (ATA42)</i>	1	2
Functions that may be typically integrated in the Integrated Modular Avionic (IMA) modules are, among others: Bleed Management, Air Pressure Control, Air Ventilation and Control, Avionics and Cockpit Ventilation Control, Temperature Control, Air Traffic Communication, Avionics Communication Router, Electrical Load Management, Circuit Breaker Monitoring, Electrical System BITE, Fuel Management, Braking Control, Steering Control, Landing Gear Extension and Retraction, Tyre Pressure Indication, Oleo		

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Pressure Indication, Brake Temperature Monitoring, etc.		
Core System;		
Network Components.		
12.18 <i>On Board Maintenance Systems (ATA45)</i>	1	2
Central maintenance computers;		
Data loading system;		
Electronic library system;		
Printing;		
Structure monitoring (damage tolerance monitoring).		
12.19 <i>Information Systems (ATA46)</i>	1	2
The units and components which furnish a means of storing, updating and retrieving digital information traditionally provided on paper, microfilm or microfiche. Includes units that are dedicated to the information storage and retrieval function such as the electronic library mass storage and controller. Does not include units or components installed for other uses and shared with other systems, such as flight deck printer or general use display.		
Typical examples include Air Traffic and Information Management Systems and Network Server Systems.		
Aircraft General Information System;		
Flight Deck Information System;		

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Maintenance Information System;		
Passenger Cabin Information System;		
Miscellaneous Information System.		

## F<sup>24</sup> MODULE 13. AIRCRAFT AERODYNAMICS, STRUCTURES AND SYSTEMS

	LEVEL
	B2 B2L
13.1 <i>Theory of Flight</i>	
(a) <i>Aeroplane Aerodynamics and Flight Controls</i>	1
Operation and effect of: — roll control: ailerons and spoilers; — pitch control: elevators, stabilators, variable incidence stabilisers and canards; and — yaw control: rudder limiters; Control using elevons, ruddervators; High lift devices: slots, slats, flaps; Drag inducing devices: spoilers, lift dumpers, speed brakes; and Operation and effect of trim tabs, servo tabs and control surface bias.	
(b) <i>High-Speed Flight</i>	1
Speed of sound, subsonic flight, transonic flight, supersonic flight; Mach number, critical Mach number.	
(c) <i>Rotary Wing Aerodynamics</i>	1
Terminology; Operation and effect of cyclic, collective and anti-torque controls.	
13.2 <i>Structures — General Concepts</i>	
Fundamentals of Structural Systems	1
Zonal and Station Identification Systems	2
Electrical bonding	2
Lightning strike protection provision.	2

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13.3	<i>Autoflight (ATA 22)</i>	
(a)		3
	Fundamentals of automatic flight control including working principles and current terminology; Command signal processing; Modes of operation: roll, pitch and yaw channels; Yaw dampers; Stability Augmentation System in helicopters; Automatic trim control; Autopilot navigation aids interface;	
(b)		3
	Autothrottle systems; Automatic landing systems: principles and categories, modes of operation, approach, glideslope, land, go-around, system monitors and failure conditions.	
13.4	<i>Communication/Navigation (ATA 23/34)</i>	
(a)		3
	Fundamentals of radio wave propagation, antennas, transmission lines, communication, receiver and transmitter; Working principles of following systems: — Very High Frequency (VHF) communication; — High Frequency (HF) communication; — Audio; — Emergency Locator Transmitters (ELTs); — Cockpit Voice Recorder (CVR); — Very High Frequency Omnidirectional Range (VOR); — Automatic Direction Finding (ADF); — Instrument Landing System (ILS); — Flight Director Systems (FDSs), Distance Measuring Equipment (DME); — Area navigation, RNAV systems; — Flight Management Systems (FMSs);	

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—	Global Positioning System (GPS), Global Navigation Satellite Systems (GNSSs);	
—	Data Link.	
(b)		3
—	Air Traffic Control transponder, secondary surveillance radar;	
—	Traffic Alert and Collision Avoidance System (TCAS);	
—	Weather avoidance radar;	
—	Radio altimeter;	
—	Automatic Dependent Surveillance — Broadcast (ADS- B).	
(c)		3
—	Microwave Landing System (MLS);	
—	Very Low Frequency and hyperbolic navigation (VLF/ Omega);	
—	Doppler navigation;	
—	Inertial Navigation System (INS);	
—	ARINC (Aircraft Radio Incorporated) communication and reporting.	
13.5	<i>Electrical Power (ATA 24)</i>	3
	Batteries installation and operation; Direct Current (DC) power generation; Alternating Current (AC) power generation; Emergency power generation; Voltage regulation; Power distribution; Inverters, transformers, rectifiers; Circuit protection; External/Ground power.	
13.6	<i>Equipment and Furnishings (ATA 25)</i>	3
	Electronic emergency equipment requirements; Cabin entertainment equipment.	
13.7	<i>Flight Controls (ATA 27)</i>	
(a)		2
	Primary controls: aileron, elevator, rudder, spoiler; Trim control;	

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Active load control; High lift devices; Lift dump, speed brakes; System operation: manual, hydraulic, pneumatic; Artificial feel, Yaw damper, Mach trim, rudder limiter, gust locks; Stall protection systems.	
(b)	3
System operation: electrical, fly-by-wire.	
13.8 <i>Instruments (ATA 31)</i>	3
Classification; Atmosphere; Terminology; Pressure-measuring devices and systems; Pitot-static systems; Altimeters; Vertical-speed indicators; Airspeed indicators; Machmeters; Altitude-reporting/alerting systems; Air data computers; Instrument pneumatic systems; Direct-reading pressure and temperature gauges; Temperature-indicating systems; Fuel-quantity-indicating systems; Gyroscopic principles; Artificial horizons; Slip indicators; Directional gyros; Ground Proximity Warning Systems (GPWSs); Compass systems; Flight Data Recording Systems (FDRSs); Electronic Flight Instrument Systems (EFISs); Instrument warning systems including master warning systems and centralised warning panels; Stall warning systems and angle of attack- indicating systems; Vibration measurement and indication; Glass cockpit.	
13.9 <i>Lights (ATA 33)</i>	3
External: navigation, landing, taxiing, ice; Internal: cabin, cockpit, cargo; Emergency.	

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13.10	<i>On-Board Maintenance Systems (ATA 45)</i>	3
	Central maintenance computers; Data-loading system; Electronic-library system; Printing system; Structure-monitoring system (damage tolerance monitoring).	
13.11	<i>Air Conditioning and Cabin Pressurisation (ATA 21)</i>	
13.11.1	<i>Air Supply</i>	2
	Sources of air supply including engine bleed, APU and ground cart;	
13.11.2	<i>Air Conditioning</i>	
	Air-conditioning systems;	2
	Air cycle and vapour cycle machines;	3
	Distribution systems;	1
	Flow, temperature and humidity control system.	3
13.11.3	<i>Pressurisation</i>	3
	Pressurisation systems; Control and indication including control and safety valves; Cabin pressure controllers.	
13.11.4	<i>Safety and Warning Devices</i>	3
	Protection and warning devices.	
13.12	<i>Fire Protection (ATA 26)</i>	
(a)		3
	Fire and smoke detection and warning systems; Fire-extinguishing systems; System tests.	
(b)		1
	Portable fire extinguisher.	
13.13	<i>Fuel Systems (ATA 28)</i>	
	System layout;	1



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Fuel tanks;	1
Supply systems;	1
Dumping, venting and draining;	1
Cross feed and transfer;	2
Indications and warnings;	3
Refuelling and defuelling;	2
Longitudinal-balance fuel systems.	3
<b>13.14 Hydraulic Power (ATA 29)</b>	
System layout;	1
Hydraulic fluids;	1
Hydraulic reservoirs and accumulators;	1
Pressure generation: electrical, mechanical, pneumatic;	3
Emergency pressure generation;	3
Filters;	1
Pressure control;	3
Power distribution;	1
Indication and warning systems;	3
Interface with other systems.	3
<b>13.15 Ice and Rain Protection (ATA 30)</b>	
Ice formation, classification and detection;	2
Anti-icing systems: electrical, hot-air and chemical;	2
De-icing systems: electrical, hot-air, pneumatic, chemical;	3
Rain-repellent;	1
Probe and drain-heating;	3
Wiper systems.	1
<b>13.16 Landing Gear (ATA 32)</b>	
Construction, shock absorbing;	1
Extension and retraction systems: normal and emergency;	3
Indications and warnings;	3
Wheels, brakes, antiskid and automatic braking systems;	3

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Tyres;	1
Steering;	3
Air-ground sensing.	3
13.17 <i>Oxygen (ATA 35)</i>	
System layout: cockpit, cabin;	3
Sources, storage, charging and distribution;	3
Supply regulation;	3
Indications and warnings.	3
13.18 <i>Pneumatic/Vacuum (ATA 36)</i>	
System layout;	2
Sources: engine/APU, compressors, reservoirs, ground supply;	2
Pressure control;	3
Distribution;	1
Indications and warnings;	3
Interfaces with other systems.	3
13.19 <i>Water/Waste (ATA 38)</i>	2
Water system layout, supply, distribution, servicing and draining; Toilet system layout, flushing and servicing.	
13.20 <i>Integrated Modular Avionics (IMA) (ATA 42)</i>	3
Core system; Network components. <i>Note: Functions that may be typically integrated into the IMA modules are among others:</i> — <i>bleed management;</i> — <i>air pressure control;</i> — <i>air ventilation and control;</i> — <i>avionics and cockpit ventilation control, temperature control;</i> — <i>air traffic communication;</i> — <i>avionics communication router;</i> — <i>electrical load management;</i> — <i>circuit breaker monitoring;</i> — <i>electrical system Built-In Test Equipment (BITE);</i> — <i>fuel management;</i> — <i>braking control;</i>	

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<ul style="list-style-type: none"> <li>— steering control;</li> <li>— landing gear extension and retraction;</li> <li>— tyre pressure indication;</li> <li>— oleo pressure indication;</li> <li>— brake temperature monitoring.</li> </ul>	
<p>13.21 <i>Cabin Systems (ATA 44)</i></p>	<p>3</p>
<p>The units and components which furnish a means of entertaining the passengers and providing communication within the aircraft (Cabin Intercommunication Data System (CIDS)) and between the aircraft cabin and ground stations (Cabin Network Service (CNS)). They include voice, data, music and video transmissions.</p> <p>CIDS provides an interface between cockpit/ cabin crew and cabin systems. These systems support data exchange between the different related Line Replaceable Units (LRUs) and they are typically operated via Flight Attendant Panels (FAPs).</p> <p>CNS typically consists of a server, interfacing with, among others, the following systems:</p> <ul style="list-style-type: none"> <li>— Data/Radio Communication;</li> <li>— Cabin Core System (CCS);</li> <li>— In-flight Entertainment System (IFES);</li> <li>— External Communication System (ECS);</li> <li>— Cabin Mass Memory System (CMMS);</li> <li>— Cabin Monitoring System (CMS);</li> <li>— Miscellaneous Cabin Systems (MCSs).</li> </ul> <p>CNS may host functions such as:</p> <ul style="list-style-type: none"> <li>— access to pre-departure/departure reports;</li> <li>— e-mail/intranet/internet access;</li> <li>— passenger database.</li> </ul>	
<p>13.22 <i>Information Systems (ATA 46)</i></p>	<p>3</p>
<p>The units and components which furnish a means of storing, updating and retrieving digital information traditionally provided on paper, microfilm or microfiche. They include units that are dedicated to the information storage and retrieval function such as the electronic library mass storage and controller, but they do not include units or components</p>	

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installed for other uses and shared with other systems, such as flight deck printer or general-use display.  
Typical examples include:

- Air Traffic and Information Management systems and Network Server systems.
- Aircraft general information system;
- Flight deck information system;
- Maintenance information system;
- Passenger cabin information system;
- Miscellaneous information systems.

## MODULE PROPULSION

### 14.

		LEVEL
		[ <sup>F24</sup> B2 B2L]
14.1	<i>Turbine Engines</i>	
(a)	Constructional arrangement and operation of turbojet, turbofan, turboshaft and turbopropeller engines;	1
(b)	Electronic Engine control and fuel metering systems (FADEC).	2
14.2	<i>Engine Indicating Systems</i>	2
	Exhaust gas temperature/Interstage turbine temperature systems;	
	Engine speed;	
	Engine Thrust Indication: Engine Pressure Ratio, engine turbine discharge pressure or jet pipe pressure systems;	
	Oil pressure and temperature;	
	Fuel pressure, temperature and flow;	
	Manifold pressure;	
	Engine torque;	
	Propeller speed.	
14.3	<i>Starting and Ignition Systems</i>	2

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Operation of engine start systems and components;	
Ignition systems and components;	
Maintenance safety requirements.	

## MODULE GAS TURBINE ENGINE

15.

	LEVEL	
	A	B1
15.1 <i>Fundamentals</i>	1	2
Potential energy, kinetic energy, Newton's laws of motion, Brayton cycle;		
The relationship between force, work, power, energy, velocity, acceleration;		
Constructional arrangement and operation of turbojet, turbofan, turboshaft, turboprop.		
15.2 <i>Engine Performance</i>	—	2
Gross thrust, net thrust, choked nozzle thrust, thrust distribution, resultant thrust, thrust horsepower, equivalent shaft horsepower, specific fuel consumption;		
Engine efficiencies;		
By-pass ratio and engine pressure ratio;		
Pressure, temperature and velocity of the gas flow;		
Engine ratings, static thrust, influence of speed, altitude and hot climate, flat rating, limitations.		
15.3 <i>Inlet</i>	2	2
Compressor inlet ducts		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Effects of various inlet configurations;		
Ice protection.		
15.4 <i>Compressors</i>	1	2
Axial and centrifugal types;		
Constructional features and operating principles and applications;		
Fan balancing;		
Operation:		
Causes and effects of compressor stall and surge;		
Methods of air flow control: bleed valves, variable inlet guide vanes, variable stator vanes, rotating stator blades;		
Compressor ratio.		
15.5 <i>Combustion Section</i>	1	2
Constructional features and principles of operation.		
15.6 <i>Turbine Section</i>	2	2
Operation and characteristics of different turbine blade types;		
Blade to disk attachment;		
Nozzle guide vanes;		
Causes and effects of turbine blade stress and creep.		
15.7 <i>Exhaust</i>	1	2
Constructional features and principles of operation;		
Convergent, divergent and variable area nozzles;		
Engine noise reduction;		
Thrust reversers.		
15.8 <i>Bearings and Seals</i>	—	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Constructional features and principles of operation.		
15.9 <i>Lubricants and Fuels</i>	1	2
Properties and specifications;		
Fuel additives;		
Safety precautions.		
15.10 <i>Lubrication Systems</i>	1	2
System operation/lay-out and components.		
15.11 <i>Fuel Systems</i>	1	2
Operation of engine control and fuel metering systems including electronic engine control (FADEC);		
Systems lay-out and components.		
15.12 <i>Air Systems</i>	1	2
Operation of engine air distribution and anti-ice control systems, including internal cooling, sealing and external air services.		
15.13 <i>Starting and Ignition Systems</i>	1	2
Operation of engine start systems and components;		
Ignition systems and components;		
Maintenance safety requirements.		
15.14 <i>Engine Indication Systems</i>	1	2
Exhaust Gas Temperature/ Interstage Turbine Temperature;		
Engine Thrust Indication: Engine Pressure Ratio, engine turbine discharge		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

pressure or jet pipe pressure systems;		
Oil pressure and temperature;		
Fuel pressure and flow;		
Engine speed;		
Vibration measurement and indication;		
Torque;		
Power.		
15.15 <i>Power Augmentation Systems</i>	—	1
Operation and applications;		
Water injection, water methanol;		
Afterburner systems.		
15.16 <i>Turbo-prop Engines</i>	1	2
Gas coupled/free turbine and gear coupled turbines;		
Reduction gears;		
Integrated engine and propeller controls;		
Overspeed safety devices.		
15.17 <i>Turbo-shaft Engines</i>	1	2
Arrangements, drive systems, reduction gearing, couplings, control systems.		
15.18 <i>Auxiliary Power Units (APUs)</i>	1	2
Purpose, operation, protective systems.		
15.19 <i>Powerplant Installation</i>	1	2
Configuration of firewalls, cowlings, acoustic panels, engine mounts, anti-vibration mounts, hoses, pipes, feeders, connectors, wiring looms,		



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control cables and rods, lifting points and drains.		
15.20 <i>Fire Protection Systems</i>	1	2
Operation of detection and extinguishing systems.		
15.21 <i>Engine Monitoring and Ground Operation</i>	1	3
Procedures for starting and ground run-up;		
Interpretation of engine power output and parameters;		
Trend (including oil analysis, vibration and boroscope) monitoring;		
Inspection of engine and components to criteria, tolerances and data specified by engine manufacturer;		
Compressor washing/cleaning;		
Foreign Object Damage.		
15.22 <i>Engine Storage and Preservation</i>	—	2
Preservation and depreservation for the engine and accessories/systems.		

## MODUL 16. ISTON ENGINE

16.

	LEVEL		
	A	B1	B3
16.1 <i>Fundamentals</i>	1	2	2
Mechanical, thermal and volumetric efficiencies;			
Operating principles — 2			

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

stroke, 4 stroke, Otto and Diesel;			
Piston displacement and compression ratio;			
Engine configuration and firing order.			
16.2 <i>Engine Performance</i>	1	2	2
Power calculation and measurement;			
Factors affecting engine power;			
Mixtures/leaning, pre-ignition.			
16.3 <i>Engine Construction</i>	1	2	2
Crank case, crank shaft, cam shafts, sumps;			
Accessory gearbox;			
Cylinder and piston assemblies;			
Connecting rods, inlet and exhaust manifolds;			
Valve mechanisms;			
Propeller reduction gearboxes.			
16.4 <i>Engine Fuel Systems</i>			
16.4.1 <i>Carburettors</i>	1	2	2
Types, construction and principles of operation;			
Icing and heating.			
16.4.2 <i>Fuel injection systems</i>	1	2	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Types, construction and principles of operation.			
16.4.3 <i>Electronic engine control</i>	1	2	2
Operation of engine control and fuel metering systems including electronic engine control (FADEC);			
Systems lay-out and components.			
16.5 <i>Starting and Ignition Systems</i>	1	2	2
Starting systems, pre-heat systems;			
Magneto types, construction and principles of operation;			
Ignition harnesses, spark plugs;			
Low and high tension systems.			
16.6 <i>Induction, Exhaust and Cooling Systems</i>	1	2	2
Construction and operation of: induction systems including alternate air systems;			
Exhaust systems, engine cooling systems — air and liquid.			
16.7 <i>Supercharging/Turbocharging</i>	1	2	2

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Principles and purpose of supercharging and its effects on engine parameters;			
Construction and operation of supercharging/turbocharging systems;			
System terminology;			
Control systems;			
System protection.			
16.8 <i>Lubricants and Fuels</i>	1	2	2
Properties and specifications;			
Fuel additives;			
Safety precautions.			
16.9 <i>Lubrication Systems</i>	1	2	2
System operation/layout and components.			
16.10 <i>Engine Indication Systems</i>	1	2	2
Engine speed;			
Cylinder head temperature;			
Coolant temperature;			
Oil pressure and temperature;			
Exhaust Gas Temperature;			
Fuel pressure and flow;			
Manifold pressure.			
16.11 <i>Powerplant Installation</i>	1	2	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Configuration of firewalls, cowlings, acoustic panels, engine mounts, anti-vibration mounts, hoses, pipes, feeders, connectors, wiring looms, control cables and rods, lifting points and drains.			
16.12 <i>Engine Monitoring and Ground Operation</i>	1	3	2
Procedures for starting and ground run-up;			
Interpretation of engine power output and parameters;			
Inspection of engine and components: criteria, tolerances, and data specified by engine manufacturer.			
16.13 <i>Engine Storage and Preservation</i>	—	2	1
Preservation and depreservation for the engine and accessories/systems.			

## MODULE PROPELLER

### 17A.

*Note:* This module does not apply to category B3. Relevant subject matters for category B3 are defined in module 17B.

	LEVEL	
	A	B1
17.1 <i>Fundamentals</i>	1	2
Blade element theory;		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

High/low blade angle, reverse angle, angle of attack, rotational speed;		
Propeller slip;		
Aerodynamic, centrifugal, and thrust forces;		
Torque;		
Relative airflow on blade angle of attack;		
Vibration and resonance.		
17.2 <i>Propeller Construction</i>	1	2
Construction methods and materials used in wooden, composite and metal propellers;		
Blade station, blade face, blade shank, blade back and hub assembly;		
Fixed pitch, controllable pitch, constant speeding propeller;		
Propeller/spinner installation.		
17.3 <i>Propeller Pitch Control</i>	1	2
Speed control and pitch change methods, mechanical and electrical/electronic;		
Feathering and reverse pitch;		
Overspeed protection.		
17.4 <i>Propeller Synchronising</i>	—	2
Synchronising and synchrophasing equipment.		
17.5 <i>Propeller Ice Protection</i>	1	2
Fluid and electrical de-icing equipment.		

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

17.6	<i>Propeller Maintenance</i>	1	3
	Static and dynamic balancing;		
	Blade tracking;		
	Assessment of blade damage, erosion, corrosion, impact damage, delamination;		
	Propeller treatment/repair schemes;		
	Propeller engine running.		
17.7	<i>Propeller Storage and Preservation</i>	1	2
	Propeller preservation and depreservation.		

## MODULE PROPELLER

### 17B.

*Note:* The scope of this Module shall reflect the propeller technology of aeroplanes pertinent to the B3 category.

	<b>LEVEL</b>	
	<b>B3</b>	
17.1	<i>Fundamentals</i>	2
	Blade element theory;	
	High/low blade angle, reverse angle, angle of attack, rotational speed;	
	Propeller slip;	
	Aerodynamic, centrifugal, and thrust forces;	
	Torque;	
	Relative airflow on blade angle of attack;	
	Vibration and resonance.	
17.2	<i>Propeller Construction</i>	2
	Construction methods and material used in wooden, composite and metal propellers;	
	Blade station, blade face, blade shank, blade back and hub assembly;	

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Fixed pitch, controllable pitch, constant speeding propeller;	
Propeller/spinner installation.	
17.3 <i>Propeller Pitch Control</i>	2
Speed control and pitch change methods, mechanical and electrical/electronic;	
Feathering and reverse pitch;	
Overspeed protection.	
17.4 <i>Propeller Synchronising</i>	2
Synchronising and synchrophasing equipment.	
17.5 <i>Propeller Ice Protection</i>	2
Fluid and electrical de-icing equipment.	
17.6 <i>Propeller Maintenance</i>	2
Static and dynamic balancing;	
Blade tracking;	
Assessment of blade damage, erosion, corrosion, impact damage, delamination;	
Propeller treatment/repair schemes;	
Propeller engine running.	
17.7 <i>Propeller Storage and Preservation</i>	2
Propeller preservation and depreservation.	



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## [<sup>F24</sup> Appendix II

### Basic Examination Standard

(except for category L licence)]

#### 1. General

- 1.1. All basic examinations shall be carried out using the multi-choice question format and essay questions as specified below. The incorrect alternatives shall seem equally plausible to anyone ignorant of the subject. All of the alternatives shall be clearly related to the question and of similar vocabulary, grammatical construction and length. In numerical questions, the incorrect answers shall correspond to procedural errors such as corrections applied in the wrong sense or incorrect unit conversions: they shall not be mere random numbers.
- 1.2. Each multi-choice question shall have three alternative answers of which only one shall be the correct answer and the candidate shall be allowed a time per module which is based upon a nominal average of 75 seconds per question.
- 1.3. Each essay question requires the preparation of a written answer and the candidate shall be allowed 20 minutes to answer each such question.
- 1.4. Suitable essay questions shall be drafted and evaluated using the knowledge syllabus in Appendix I Modules 7A, 7B, 9A, 9B and 10.
- 1.5. Each question will have a model answer drafted for it, which will also include any known alternative answers that may be relevant for other subdivisions.
- 1.6. The model answer will also be broken down into a list of the important points known as Key Points.
- 1.7. The pass mark for each module and sub-module multi-choice part of the examination is 75 %.
- 1.8. The pass mark for each essay question is 75 % in that the candidates answer shall contain 75 % of the required key points addressed by the question and no significant error related to any required key point.
- 1.9. If either the multi-choice part only or the essay part only is failed, then it is only necessary to retake the multi-choice or essay part, as appropriate.
- 1.10. Penalty marking systems shall not be used to determine whether a candidate has passed.
- 1.11. A failed module may not be retaken for at least 90 days following the date of the failed module examination, except in the case of a maintenance training organisation approved in accordance with Annex IV (Part-147) which conducts a course of retraining tailored to the failed subjects in the particular module when the failed module may be retaken after 30 days.
- 1.12. The time periods required by point 66.A.25 apply to each individual module examination, with the exception of those module examinations which were passed as part of another category licence, where the licence has already been issued.

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- 1.13. The maximum number of consecutive attempts for each module is three. Further sets of three attempts are allowed with a 1 year waiting period between sets.

The applicant shall confirm in writing to the approved maintenance training organisation or the [F338CAA] to which they apply for an examination, the number and dates of attempts during the last year and the organisation or the [F338CAA] where these attempts took place. The maintenance training organisation or the [F338CAA] is responsible for checking the number of attempts within the applicable timeframes.

#### Textual Amendments

**F338** Word in Annex 3 Appendix 2 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 278(3) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## 2. Number of questions per module

### 2.1. MODULE 1 — MATHEMATICS

Category A: 16 multi-choice and 0 essay questions. Time allowed 20 minutes.

Category B1: 32 multi-choice and 0 essay questions. Time allowed 40 minutes.

[F24Category B2 and B2L]: 32 multi-choice and 0 essay questions. Time allowed 40 minutes.

Category B3: 28 multi-choice and 0 essay questions. Time allowed 35 minutes.

### 2.2. MODULE 2 — PHYSICS

Category A: 32 multi-choice and 0 essay questions. Time allowed 40 minutes.

Category B1: 52 multi-choice and 0 essay questions. Time allowed 65 minutes.

[F24Category B2 and B2L]: 52 multi-choice and 0 essay questions. Time allowed 65 minutes.

Category B3: 28 multi-choice and 0 essay questions. Time allowed 35 minutes.

### 2.3. MODULE 3 — ELECTRICAL FUNDAMENTALS

Category A: 20 multi-choice and 0 essay questions. Time allowed 25 minutes.

Category B1: 52 multi-choice and 0 essay questions. Time allowed 65 minutes.

[F24Category B2 and B2L]: 52 multi-choice and 0 essay questions. Time allowed 65 minutes.

Category B3: 24 multi-choice and 0 essay questions. Time allowed 30 minutes.

### 2.4. MODULE 4 — ELECTRONIC FUNDAMENTALS

Category B1: 20 multi-choice and 0 essay questions. Time allowed 25 minutes.

[F24Category B2 and B2L]: 40 multi-choice and 0 essay questions. Time allowed 50 minutes.

Category B3: 8 multi-choice and 0 essay questions. Time allowed 10 minutes.

### 2.5. MODULE 5 — DIGITAL TECHNIQUES/ELECTRONIC INSTRUMENT SYSTEMS

Category A: 16 multi-choice and 0 essay questions. Time allowed 20 minutes.

Category B1.1 and B1.3: 40 multi-choice and 0 essay questions. Time allowed 50 minutes.

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Category B1.2 and B1.4: 20 multi-choice and 0 essay questions. Time allowed 25 minutes.

[<sup>F24</sup>Category B2 and B2L]: 72 multi-choice and 0 essay questions. Time allowed 90 minutes.

Category B3: 16 multi-choice and 0 essay questions. Time allowed 20 minutes.

2.6. MODULE 6 — MATERIALS AND HARDWARE

Category A: 52 multi-choice and 0 essay questions. Time allowed 65 minutes.

Category B1: 72 multi-choice and 0 essay questions. Time allowed 90 minutes.

[<sup>F24</sup>Category B2 and B2L]: 60 multi-choice and 0 essay questions. Time allowed 75 minutes.

Category B3: 60 multi-choice and 0 essay questions. Time allowed 75 minutes.

2.7. MODULE 7A — MAINTENANCE PRACTICES

Category A: 72 multi-choice and 2 essay questions. Time allowed 90 minutes plus 40 minutes.

Category B1: 80 multi-choice and 2 essay questions. Time allowed 100 minutes plus 40 minutes.

[<sup>F24</sup>Category B2 and B2L]: 60 multi-choice and 2 essay questions. Time allowed 75 minutes plus 40 minutes.

MODULE 7B — MAINTENANCE PRACTICES

Category B3: 60 multi-choice and 2 essay questions. Time allowed 75 minutes plus 40 minutes.

2.8. MODULE 8 — BASIC AERODYNAMICS

Category A: 20 multi-choice and 0 essay questions. Time allowed 25 minutes.

Category B1: 20 multi-choice and 0 essay questions. Time allowed 25 minutes.

[<sup>F24</sup>Category B2 and B2L]: 20 multi-choice and 0 essay questions. Time allowed 25 minutes.

Category B3: 20 multi-choice and 0 essay questions. Time allowed 25 minutes.

2.9. MODULE 9A — HUMAN FACTORS

Category A: 20 multi-choice and 1 essay question. Time allowed 25 minutes plus 20 minutes.

Category B1: 20 multi-choice and 1 essay question. Time allowed 25 minutes plus 20 minutes.

[<sup>F24</sup>Category B2 and B2L]: 20 multi-choice and 1 essay question. Time allowed 25 minutes plus 20 minutes.

MODULE 9B — HUMAN FACTORS

Category B3: 16 multi-choice and 1 essay questions. Time allowed 20 minutes plus 20 minutes.

2.10. MODULE 10 — AVIATION LEGISLATION

Category A: 32 multi-choice and 1 essay question. Time allowed 40 minutes plus 20 minutes.

Category B1: 40 multi-choice and 1 essay question. Time allowed 50 minutes plus 20 minutes.

[<sup>F24</sup>Category B2 and B2L]: 40 multi-choice and 1 essay question. Time allowed 50 minutes plus 20 minutes.

Category B3: 32 multi-choice and 1 essay questions. Time allowed 40 minutes plus 20 minutes.

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2.11. MODULE 11A — TURBINE AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS

Category A: 108 multi-choice and 0 essay questions. Time allowed 135 minutes.

Category B1: 140 multi-choice and 0 essay questions. Time allowed 175 minutes.

MODULE 11B — PISTON AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS

Category A: 72 multi-choice and 0 essay questions. Time allowed 90 minutes.

Category B1: 100 multi-choice and 0 essay questions. Time allowed 125 minutes.

MODULE 11C — PISTON AEROPLANE AERODYNAMICS, STRUCTURES AND SYSTEMS

Category B3: 60 multi-choice and 0 essay questions. Time allowed 75 minutes.

2.12. MODULE 12 — HELICOPTER AERODYNAMICS, STRUCTURES AND SYSTEMS:

Category A: 100 multi-choice and 0 essay questions. Time allowed 125 minutes.

Category B1: 128 multi-choice and 0 essay questions. Time allowed 160 minutes.

[<sup>F24</sup>2.13. MODULE 13 — AIRCRAFT AERODYNAMICS, STRUCTURES AND SYSTEMS

Category B2: 180 multiple-choice and 0 essay questions. Time allowed: 225 minutes. Questions and time allowed may be split into two examinations, as appropriate.

Category B2L:

System rating	Number of multiple-choice questions	Time allowed (minutes)
Basic requirements (Submodules 13.1, 13.2, 13.5 and 13.9)	28	35
COM/NAV (Submodule 13.4(a))	24	30
INSTRUMENTS (Submodule 13.8)	20	25
AUTOFLIGHT (Submodules 13.3(a) and 13.7)	28	35
SURVEILLANCE (Submodule 13.4(b))	8	10
AIRFRAME SYSTEMS (Submodules 13.11 to 13.18)	32	40

2.14. MODULE 14 — PROPULSION

Category B2 and B2L: 24 multiple-choice and 0 essay questions. Time allowed: 30 minutes.

NOTE: The B2L examination for module 14 is only applicable to the ‘ Instruments ’ and ‘ Airframe Systems ’ ratings.]

2.15. MODULE 15 — GAS TURBINE ENGINE

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**Changes to legislation:** *There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes*

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Category A: 60 multi-choice and 0 essay questions. Time allowed 75 minutes.  
Category B1: 92 multi-choice and 0 essay questions. Time allowed 115 minutes.

2.16. MODULE 16 — PISTON ENGINE

Category A: 52 multi-choice and 0 essay questions. Time allowed 65 minutes.  
Category B1: 72 multi-choice and 0 essay questions. Time allowed 90 minutes.  
Category B3: 68 multi-choice and 0 essay questions. Time allowed 85 minutes.

2.17. MODULE 17A — PROPELLER

Category A: 20 multi-choice and 0 essay questions. Time allowed 25 minutes.  
Category B1: 32 multi-choice and 0 essay questions. Time allowed 40 minutes.

MODULE 17B — PROPELLER

Category B3: 28 multi-choice and 0 essay questions. Time allowed 35 minutes.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## Appendix III

### Aircraft type training and examination standard

#### *On the job training*

#### 1. **General**

Aircraft type training shall consist of theoretical training and examination, and, except for the category C ratings, practical training and assessment.

- (a) Theoretical training and examination shall comply with the following requirements:
- (i) Shall be conducted by a maintenance training organisation appropriately approved in accordance with Annex IV (Part-147) or, when conducted by other organisations, as directly approved by the [F339CAA].
  - (ii) [F24] Shall comply, except as permitted by the differences training provided for in point (c), with the standard set out in point 3.1 of this Appendix and, if available, the relevant elements defined in the mandatory part of the operational suitability data established in accordance with Regulation (EU) No 748/2012.]
  - (iii) In the case of a category C person qualified by holding an academic degree as specified in point 66.A.30(a)(5), the first relevant aircraft type theoretical training shall be at the category B1 or B2 level.
  - (iv) Shall have been started and completed within the 3 years preceding the application for a type rating endorsement.
- (b) Practical training and assessment shall comply with the following requirements:
- (i) Shall be conducted by a maintenance training organisation appropriately approved in accordance with Annex IV (Part-147) or, when conducted by other organisations, as directly approved by the [F340CAA].
  - (ii) [F24] Shall comply, except as permitted by the differences training described in point (c), with the standard set out in point 3.2 of this Appendix and, if available, the relevant elements defined in the mandatory part of the operational suitability data established in accordance with Regulation (EU) No 748/2012.]
  - (iii) Shall include a representative cross section of maintenance activities relevant to the aircraft type.
  - (iv) Shall include demonstrations using equipment, components, simulators, other training devices or aircraft.
  - (v) Shall have been started and completed within the 3 years preceding the application for a type rating endorsement.
- (c) Differences training
- (i) Differences training is the training required in order to cover the differences between two different aircraft type ratings of the same manufacturer as determined by the [F341CAA].

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (ii) Differences training has to be defined on a case-to-case basis taking into account the requirements contained in this Appendix III in respect of both theoretical and practical elements of type rating training.
- (iii) A type rating shall only be endorsed on a licence after differences training when the applicant also complies with one of the following conditions:
  - having already endorsed on the licence the aircraft type rating from which the differences are being identified, or
  - having completed the type training requirements for the aircraft from which the differences are being identified.

#### Textual Amendments

**F339** Word in Annex 3 Appendix 3 point 1(a)(i) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **278(4)(a)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12**); 2020 c. 1, **Sch. 5 para. 1(1)**

**F340** Word in Annex 3 Appendix 3 point 1(b)(i) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **278(4)(a)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12**); 2020 c. 1, **Sch. 5 para. 1(1)**

**F341** Word in Annex 3 Appendix 3 point 1(c)(i) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **278(4)(a)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12**); 2020 c. 1, **Sch. 5 para. 1(1)**

## 2. Aircraft type training levels

The three levels listed below define the objectives, the depth of training and the level of knowledge that the training is intended to achieve.

- *Level 1: A brief overview of the airframe, systems and powerplant as outlined in the Systems Description Section of the Aircraft Maintenance Manual/Instructions for Continued Airworthiness.*

Course objectives: Upon completion of Level 1 training, the student will be able to:

- (a) provide a simple description of the whole subject, using common words and examples, using typical terms and identify safety precautions related to the airframe, its systems and powerplant;
- (b) identify aircraft manuals, maintenance practices important to the airframe, its systems and powerplant;
- (c) define the general layout of the aircraft's major systems;
- (d) define the general layout and characteristics of the powerplant;
- (e) identify special tooling and test equipment used with the aircraft.
- *Level 2: Basic system overview of controls, indicators, principal components, including their location and purpose, servicing and minor troubleshooting. General knowledge of the theoretical and practical aspects of the subject.*

Course objectives: In addition to the information contained in the Level 1 training, at the completion of Level 2 training, the student will be able to:

- (a) understand the theoretical fundamentals; apply knowledge in a practical manner using detailed procedures;

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- (b) recall the safety precautions to be observed when working on or near the aircraft, powerplant and systems;
  - (c) describe systems and aircraft handling particularly access, power availability and sources;
  - (d) identify the locations of the principal components;
  - (e) explain the normal functioning of each major system, including terminology and nomenclature;
  - (f) perform the procedures for servicing associated with the aircraft for the following systems: Fuel, Power Plants, Hydraulics, Landing Gear, Water/Waste, and Oxygen;
  - (g) demonstrate proficiency in use of crew reports and on-board reporting systems (minor troubleshooting) and determine aircraft airworthiness per the MEL/CDL;
  - (h) demonstrate the use, interpretation and application of appropriate documentation including instructions for continued airworthiness, maintenance manual, illustrated parts catalogue, etc.
- *Level 3: Detailed description, operation, component location, removal/installation and bite and troubleshooting procedures to maintenance manual level.*

Course objectives: In addition to the information contained in Level 1 and Level 2 training, at the completion of Level 3 training, the student will be able to:

- (a) demonstrate a theoretical knowledge of aircraft systems and structures and interrelationships with other systems, provide a detailed description of the subject using theoretical fundamentals and specific examples and to interpret results from various sources and measurements and apply corrective action where appropriate;
- (b) perform system, powerplant, component and functional checks as specified in the aircraft maintenance manual;
- (c) demonstrate the use, interpret and apply appropriate documentation including structural repair manual, troubleshooting manual, etc.;
- (d) correlate information for the purpose of making decisions in respect of fault diagnosis and rectification to maintenance manual level;
- (e) describe procedures for replacement of components unique to aircraft type.

### 3. Aircraft type training standard

Although aircraft type training includes both theoretical and practical elements, courses can be approved for the theoretical element, the practical element or for a combination of both.

#### 3.1. Theoretical element

##### (a) Objective:

On completion of a theoretical training course the student shall be able to demonstrate, to the levels identified in the Appendix III syllabus, the detailed theoretical knowledge of the aircraft's applicable systems, structure, operations, maintenance, repair, and troubleshooting according to approved maintenance data. The student shall be able to



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demonstrate the use of manuals and approved procedures, including the knowledge of relevant inspections and limitations.

(b) Level of training:

Training levels are those levels defined in point 2 above.

After the first type course for category C certifying staff all subsequent courses need only be to level 1.

During a level 3 theoretical training, level 1 and 2 training material may be used to teach the full scope of the chapter if required. However, during the training the majority of the course material and training time shall be at the higher level.

(c) Duration:

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

Category	Hours
<b><i>Aeroplanes with a maximum take-off mass above 30 000 kg:</i></b>	
B1.1	150
B1.2	120
B2	100
C	30
<b><i>Aeroplanes with a maximum take-off mass equal or less than 30 000 kg and above 5 700 kg:</i></b>	
B1.1	120
B1.2	100
B2	100
C	25
<b><i>Aeroplanes with a maximum take-off mass of 5 700 kg and below<sup>a</sup></i></b>	
B1.1	80
B1.2	60
B2	60
C	15
<b><i>Helicopters<sup>b</sup></i></b>	
B1.3	120
B1.4	100
B2	100
<b>a</b>	[ <sup>24</sup> For non-pressurised piston engine aeroplanes below 2 000 kg MTOM, the minimum duration can be reduced by 50 %.
<b>b</b>	For helicopters in Group 2 (as defined in point 66.A.5), the minimum duration can be reduced by 30 %.]

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C	25
a	[ <sup>F24</sup> F For non-pressurised piston engine aeroplanes below 2 000 kg MTOM, the minimum duration can be reduced by 50 %.
b	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 exclude 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 [<sup>F342</sup>CAA].

(d) Justification of course duration:

Training courses carried out in a maintenance training organisation approved in accordance with Annex IV (Part-147) and courses directly approved by the [<sup>F343</sup>CAA] shall justify their hour duration and the coverage of the full syllabus by a training needs analysis based on:

- the design of the aircraft type, its maintenance needs and the types of operation,
- detailed analysis of applicable chapters — see contents table in point 3.1(e) below,
- detailed competency analysis showing that the objectives as stated in point 3.1(a) above are fully met.

Where the training needs analysis shows that more hours are needed, course lengths shall be longer than the minimum specified in the table.

Similarly, tuition hours of differences courses or other training course combinations (such as combined B1/B2 courses), and in cases of theoretical type training courses below the figures given in point 3.1(c) above, these shall be justified to the [<sup>F343</sup>CAA] by the training needs analysis as described above.

In addition, the course must describe and justify the following:

- The minimum attendance required to the trainee, in order to meet the objectives of the course.
- The maximum number of hours of training per day, taking into account pedagogical and human factors principles.

If the minimum attendance required is not met, the certificate of recognition shall not be issued. Additional training may be provided by the training organisation in order to meet the minimum attendance time.

(e) Content:

As a minimum, the elements in the Syllabus below that are specific to the aircraft type shall be covered. Additional elements introduced due to type variations, technological changes, etc. shall also be included.

The training syllabus shall be focused on mechanical and electrical aspects for B1 personnel, and electrical and avionic aspects for B2.

Level	Helicopters turbine	Aeroplanes piston	Helicopters turbine	Helicopters piston	Avionics
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Licence category.	B1	C	B1	C	B1	C	B1	C	B2
<b>Introduction module:</b>									
05	1 Time limits/ maintenance checks	1	1	1	1	1	1	1	1
06	1 Dimensions/ Areas (MTOM, etc.)	1	1	1	1	1	1	1	1
07	1 Lifting and Shoring	1	1	1	1	1	1	1	1
08	1 Levelling and weighing	1	1	1	1	1	1	1	1
09	1 Towing and taxiing	1	1	1	1	1	1	1	1
10	1 Parking/ mooring, Storing and Return to Service	1	1	1	1	1	1	1	1
11	1 Placards and Markings	1	1	1	1	1	1	1	1
12	1 Servicing	1	1	1	1	1	1	1	1
20	1 Standard practices — only type particular	1	1	1	1	1	1	1	1
<b>Helicopters</b>									
18	— Vibration and	—	—	—	3	1	3	1	—

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	Noise Analysis (Blade tracking)								
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	—

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67	Rotors Flight Control	—	—	—	3	1	3	1	—
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	—	—	—	—	1
53	Fuselage	3	1	3	1	—	—	—	—	1
54	Nacelles/ Pylons	3	1	3	1	—	—	—	—	1
55	Stabilisers	3	1	3	1	—	—	—	—	1
56	Windows	3	1	3	1	—	—	—	—	1
57	Wings	3	1	3	1	—	—	—	—	1
27A	Flight Control Surfaces (All)	3	1	3	1	—	—	—	—	1
52	Doors	3	1	3	1	—	—	—	—	1
Zonal and Station Identification Systems.	1	1	1	1	1	1	1	1	1	1

### Airframe systems:

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21	3 Air Conditioning	1	3	1	3	1	3	1	3
21A	3 Air Supply	1	3	1	[F24]3	[F24]1	3	1	2
21B	3 Pressurisation	1	3	1	3	1	3	1	3
21C	3 Safety and Warning Devices	1	3	1	3	1	3	1	3
22	2 Autoflight	1	2	1	2	1	2	1	3
23	2 Communications	1	2	1	2	1	2	1	3
24	3 Electrical Power	1	3	1	3	1	3	1	3
25	3 Equipment and Furnishings	1	3	1	3	1	3	1	1
25A	1 Electronic Equipment including emergency equipment	1	1	1	1	1	1	1	3
26	3 Fire Protection	1	3	1	3	1	3	1	3
27	3 Flight Controls	1	3	1	3	1	3	1	2
27A	3 Sys. Operation: Electrical/ Fly- by- Wire	1	—	—	—	—	—	—	3
28	3 Fuel Systems	1	3	1	3	1	3	1	2
28A	3 Fuel Systems — Monitoring	1	3	1	3	1	3	1	3

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		and indicating							
29	3	1 Hydraulic Power	3	1	3	1	3	1	2
29A	3	1 Hydraulic Power — Monitoring and indicating	3	1	3	1	3	1	3
30	3	1 Ice and Rain Protection	3	1	3	1	3	1	3
31	3	1 Indicating/ Recording Systems	3	1	3	1	3	1	3
31A	3	1 Instrument Systems	3	1	3	1	[ <sup>F24</sup> 3]	[ <sup>F24</sup> 1]	3
32	3	1 Landing Gear	3	1	3	1	3	1	2
32A	3	1 Landing Gear — Monitoring and indicating	3	1	3	1	3	1	3
33	3	1 Lights	3	1	3	1	3	1	3
34	2	1 Navigation	2	1	2	1	2	1	3
35	3	1 Oxygen	3	1	—	—	—	—	2
36	3	1 Pneumatic	3	1	3	1	3	1	2
36A	3	1 Pneumatic — Monitoring and indicating	3	1	3	1	3	1	3
37	3	1 Vacuum	3	1	3	1	3	1	2
38	3	1 Water/ Waste	3	1	—	—	—	—	2

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41	<sup>3</sup> Water Ballast	1	3	1	—	—	—	—	1
42	<sup>2</sup> Integrated modular avionics	1	2	1	2	1	2	1	3
44	<sup>2</sup> Cabin Systems	1	2	1	2	1	2	1	3
45	<sup>3</sup> On-Board Maintenance System (or covered in 31)	1	3	1	3	1	—	—	3
46	<sup>2</sup> Information Systems	1	2	1	2	1	2	1	3
50	<sup>3</sup> Cargo and Accessory Compartments	1	3	1	3	1	3	1	1
<b>Turbine Engine</b>									
70	<sup>3</sup> Standard Practices — Engines,	1	—	—	3	1	—	—	1
70A	<sup>3</sup> constructional arrangement and operation (Installation Inlet, Compressors, Combustion Section, Turbine Section, Bearings and Seals, Lubrication Systems).	1	—	—	3	1	—	—	1



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70B	3 Engine Performance	1	—	—	3	1	—	—	1
71	3 Powerplant	1	—	—	3	1	—	—	1
72	3 Engine Turbine/ Turbo Prop/ Ducted Fan/ Unducted fan	1	—	—	3	1	—	—	1
73	3 Engine Fuel and Control	1	—	—	3	1	—	—	1
75	3 Air	1	—	—	3	1	—	—	1
76	3 Engine controls	1	—	—	3	1	—	—	1
78	3 Exhaust	1	—	—	3	1	—	—	1
79	3 Oil	1	—	—	3	1	—	—	1
80	3 Starting	1	—	—	3	1	—	—	1
82	3 Water Injections	1	—	—	3	1	—	—	1
83	3 Accessory Gear Boxes	1	—	—	3	1	—	—	1
84	3 Propulsion Augmentation	1	—	—	3	1	—	—	1
73A	3 FADEC	1	—	—	3	1	—	—	3
74	3 Ignition	1	—	—	3	1	—	—	3
77	3 Engine Indicating Systems	1	—	—	3	1	—	—	3

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49	3	1	—	—	—	—	—	—	2
	Auxiliary Power Units (APUs)								
<b>Piston Engine</b>									
70	—	—	3	1	—	—	3	1	1
	Standard Practices — Engines								
70A	—	—	3	1	—	—	3	1	1
	Constructional arrangement and operation (Installation, Carburettors, Fuel injection systems, Induction, Exhaust and Cooling Systems, Supercharging/Turbocharging, Lubrication Systems).								
70B	—	—	3	1	—	—	3	1	1
	Engine Performance								
71	—	—	3	1	—	—	3	1	1
	Powerplant								
73	—	—	3	1	—	—	3	1	1
	Engine Fuel and Control								
76	—	—	3	1	—	—	3	1	1
	Engine Control								
79	—	—	3	1	—	—	3	1	1
	Oil								
80	—	—	3	1	—	—	3	1	1
	Starting								
81	—	—	3	1	—	—	3	1	1
	Turbines								

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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
<b>Propellers</b>									
60A	Standard Practices — Propeller	3	1	3	1	—	—	—	1
61	Propellers/ Propulsion	3	1	3	1	—	—	—	1
61A	Propeller Construction	3	1	3	1	—	—	—	—
61B	Propeller Pitch Control	3	1	3	1	—	—	—	—
61C	Propeller Synchronising	3	1	3	1	—	—	—	1
61D	Propeller Electronic control	2	1	2	1	—	—	—	3
61E	Propeller Ice Protection	3	1	3	1	—	—	—	—
61F	Propeller Maintenance	3	1	3	1	—	—	—	1





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	(Blade tracking)										
60	X/X — Standard Practices Rotor — only type specific	X	—	—	—	—	X	—	—	—	—
62	X/— — Rotors	X	X	—	X	—	—	—	—	—	—
62A	X/X X — Rotors — Monitoring and indicating	X	X	X	X	—	—	X	—	X	—
63	X/— X Rotor Drives	—	—	—	X	—	—	—	—	—	—
63A	X/X X Rotor Drives — Monitoring and indicating	—	X	X	X	—	—	X	—	X	—
64	X/— — Tail Rotor	X	—	—	X	—	—	—	—	—	—
64A	X/X X Tail rotor - Monitoring and indicating	—	X	X	X	—	—	X	—	X	—
65	X/— X Tail Rotor Drive	—	—	—	X	—	—	—	—	—	—
65A	X/X X Tail Rotor Drive — Monitoring and indicating	—	X	X	X	—	—	X	—	X	—
66	X/— X Folding Blades/ Pylon	X	—	—	X	—	—	—	—	—	—

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67	X/—	X Rotors Flight Control	X	—	X	X	—	—	—	—	—
53		Airframe Structure (Helicopter)									
		Note: covered under Airframe structures									
25	X/X	X Emergency Flotation Equipment	X	X	X	X	X	X	—	—	—

**Airframe  
structures:**

51		Standard Practices and Structures (damage classification, assessment and repair)									
53	X/—	— Fuselage	—	—	—	X	—	—	—	—	—
54	X/—	— Nacelles/ Pylons	—	—	—	—	—	—	—	—	—
55	X/—	— Stabilisers	—	—	—	—	—	—	—	—	—
56	X/—	— Windows	—	—	—	X	—	—	—	—	—
57	X/—	— Wings	—	—	—	—	—	—	—	—	—
27A	X/—	— Flight Control Surfaces	—	—	—	X	—	—	—	—	—
52	X/X	X Doors	X	—	—	—	—	X	—	—	—

**Airframe  
systems:**





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		and indicating									
29	X/X	X Hydraulic Power	X	X	X	X	X	X	—	X	—
29A	X/X	X Hydraulic Power — Monitoring and indicating	—	X	X	X	X	—	X	X	X
30	X/X	X Ice and Rain Protection	X	—	X	X	X	X	—	X	X
31	X/X	X Indicating/ Recording Systems	X	X	X	X	X	X	X	X	X
31A	X/X	X Instrument Systems	X	X	X	X	X	X	X	X	X
32	X/X	X Landing Gear	X	X	X	X	X	X	X	X	—
32A	X/X	X Landing Gear — Monitoring and indicating	—	X	X	X	X	—	X	X	X
33	X/X	X Lights	X	—	X	—	X	X	X	X	—
34	X/X	— Navigation	X	—	X	—	X	X	X	X	X
35	X/—	X Oxygen	X	X	—	—	X	X	—	—	—
36	X/—	X Pneumatic	—	X	X	X	X	—	X	X	X
36A	X/X	X Pneumatic Monitoring and indicating	X	X	X	X	X	X	X	X	X
37	X/—	X Vacuum	—	X	X	X	—	—	—	—	—
38	X/—	X Water/ Waste	X	—	—	—	X	X	—	—	—







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		and Control									
73A	X/X	X FADEC Systems	—	X	X	X	X	X	X	X	X
74	X/X	X Ignition	—	—	—	—	X	—	—	—	—
76	X/—	X Engine Controls	—	—	—	X	—	—	—	—	—
77	X/X	X Engine Indicating	—	—	X	X	X	—	—	X	X
78	X/—	X Exhaust	—	—	X	X	—	—	—	—	—
79	X/—	— Oil	X	X	—	—	—	—	—	—	—
80	X/—	X Starting	—	—	X	X	—	—	—	—	—
81	X/—	X Turbines	X	X	—	X	—	—	—	—	—
82	X/—	X Water Injection	—	—	—	—	—	—	—	—	—
83	X/—	— Accessory Gearboxes	X	X	—	—	—	—	—	—	—
84	X/—	X Propulsion Augmentation	—	—	—	—	—	—	—	—	—
<b>Propellers:</b>											
60A	—	— Standard Practices Propeller	—	X	—	—	—	—	—	—	—
61	X/X	X Propellers/ Propulsion	X	—	X	X	—	—	—	—	—
61A	X/X	— Propeller Construction	X	—	—	—	—	—	—	—	—
61B	X/—	X Propeller Pitch Control	—	X	X	X	—	—	—	—	—
61C	X/—	X Propeller Synchronising	—	—	—	X	—	—	—	X	—

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61D	X/X	X Propeller Electronic control	X	X	X	X	X	X	X	X	X	X
61E	X/—	X Propeller Ice Protection	—	X	X	X	—	—	—	—	—	—
61F	X/X	X Propeller Maintenance	X	X	X	X	X	X	X	X	X	X

#### 4. Type training examination and assessment standard

##### 4.1. Theoretical element examination standard

After the theoretical portion of the aircraft type training has been completed, a written examination shall be performed, which shall comply with the following:

- (a) Format of the examination is of the multi-choice type. Each multi-choice question shall have 3 alternative answers of which only one shall be the correct answer. The total time is based on the total number of questions and the time for answering is based upon a nominal average of 90 seconds per question.
- (b) The incorrect alternatives shall seem equally plausible to anyone ignorant of the subject. All the alternatives shall be clearly related to the question and of similar vocabulary, grammatical construction and length.
- (c) In numerical questions, the incorrect answers shall correspond to procedural errors such as the use of incorrect sense (+ versus -) or incorrect measurement units. They shall not be mere random numbers.
- (d) The level of examination for each chapter<sup>(15)</sup> shall be the one defined in point 2 'Aircraft type training levels'. However, the use of a limited number of questions at a lower level is acceptable.
- (e) The examination shall be of the closed book type. No reference material is permitted. An exception will be made for the case of examining a B1 or B2 candidate's ability to interpret technical documents.
- (f) The number of questions shall be at least 1 question per hour of instruction. The number of questions for each chapter and level shall be proportionate to:
  - the effective training hours spent teaching at that chapter and level,
  - the learning objectives as given by the training needs analysis.

The [F345CAA] will assess the number and the level of the questions when approving the course.
- (g) The minimum examination pass mark is 75 %. When the type training examination is split in several examinations, each examination shall be passed with at least a 75 % mark. In order to be possible to achieve exactly a 75 % pass mark, the number of questions in the examination shall be a multiple of 4.
- (h) Penalty marking (negative points for failed questions) is not to be used.

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- (i) End of module phase examinations cannot be used as part of the final examination unless they contain the correct number and level of questions required.

#### Textual Amendments

**F345** Word in Annex 3 Appendix 3 point 4.1(f) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **278(4)(e)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12**); 2020 c. 1, **Sch. 5 para. 1(1)**

#### 4.2. Practical element assessment standard

After the practical element of the aircraft type training has been completed, an assessment must be performed, which must comply with the following:

- (a) The assessment shall be performed by designated assessors appropriately qualified.
- (b) The assessment shall evaluate the knowledge and skills of the trainee.

#### 5. Type examination standard

Type examination shall be conducted by training organisations appropriately approved under Part-147 or by the [<sup>F346</sup>CAA].

#### Textual Amendments

**F346** Word in Annex 3 Appendix 3 point 5 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **278(4)(d)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12**); 2020 c. 1, **Sch. 5 para. 1(1)**

The examination shall be oral, written or practical assessment based, or a combination thereof and it shall comply with the following requirements:

- (a) Oral examination questions shall be open.
- (b) Written examination questions shall be essay type or multi-choice questions.
- (c) Practical assessment shall determine a person's competence to perform a task.
- (d) Examinations shall be on a sample of chapters<sup>(16)</sup> drawn from point 3 type training/examination syllabus, at the indicated level.
- (e) The incorrect alternatives shall seem equally plausible to anyone ignorant of the subject. All of the alternatives shall be clearly related to the question and of similar vocabulary, grammatical construction and length.
- (f) In numerical questions, the incorrect answers shall correspond to procedural errors such as corrections applied in the wrong sense or incorrect unit conversions: they shall not be mere random numbers.
- (g) The examination shall ensure that the following objectives are met:
1. Properly discuss with confidence the aircraft and its systems.
  2. Ensure safe performance of maintenance, inspections and routine work according to the maintenance manual and other relevant instructions and tasks as appropriate for the type of aircraft, for example troubleshooting,

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- repairs, adjustments, replacements, rigging and functional checks such as engine run, etc., if required.
3. Correctly use all technical literature and documentation for the aircraft.
  4. Correctly use specialist/special tooling and test equipment, perform removal and replacement of components and modules unique to type, including any on-wing maintenance activity
- (h) The following conditions apply to the examination:
1. The maximum number of consecutive attempts is three. Further sets of three attempts are allowed with a 1 year waiting period between sets. A waiting period of 30 days is required after the first failed attempt within one set, and a waiting period of 60 days is required after the second failed attempt.
 

The applicant shall confirm in writing to the maintenance training organisation or the [F346CAA] to which they apply for an examination, the number and dates of attempts during the last year and the maintenance training organisation or the [F346CAA] where these attempts took place. The maintenance training organisation or the [F346CAA] is responsible for checking the number of attempts within the applicable timeframes.
  2. The type examination shall be passed and the required practical experience shall be completed within the 3 years preceding the application for the rating endorsement on the aircraft maintenance licence.
  3. Type examination shall be performed with at least one examiner present. The examiner(s) shall not have been involved in the applicant's training.
- (i) A written and signed report shall be made by the examiner(s) to explain why the candidate has passed or failed.

#### 6. On the Job Training

On the Job Training (OJT) shall be approved by the [F347CAA].

#### Textual Amendments

**F347** Word in Annex 3 Appendix 3 point 6 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **278(4)(e)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12**); 2020 c. 1, **Sch. 5 para. 1(1)**

It shall be conducted at and under the control of a maintenance organisation appropriately approved for the maintenance of the particular aircraft type and shall be assessed by designated assessors appropriately qualified.

It shall have been started and completed within the 3 years preceding the application for a type rating endorsement.

- (a) Objective:
 

The objective of OJT is to gain the required competence and experience in performing safe maintenance.
- (b) Content:



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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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OJT shall cover a cross section of tasks acceptable to the [<sup>F348</sup>CAA]. The OJT tasks to be completed shall be representative of the aircraft and systems both in complexity and in the technical input required to complete that task. While relatively simple tasks may be included, other more complex maintenance tasks shall also be incorporated and undertaken as appropriate to the aircraft type.

Each task shall be signed off by the student and countersigned by a designated supervisor. The tasks listed shall refer to an actual job card/work sheet, etc.

The final assessment of the completed OJT is mandatory and shall be performed by a designated assessor appropriately qualified.

The following data shall be addressed on the OJT worksheets/logbook:

1. Name of Trainee;
2. Date of Birth;
3. Approved Maintenance Organisation;
4. Location;
5. Name of supervisor(s) and assessor, (including licence number if applicable);
6. Date of task completion;
7. Description of task and job card/work order/tech log, etc.;
8. Aircraft type and aircraft registration;
9. Aircraft rating applied for.

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#### Textual Amendments

**F348** Word in Annex 3 Appendix 3 point 6(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **278(4)(e)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12**); 2020 c. 1, **Sch. 5 para. 1(1)**

In order to facilitate the verification by the [<sup>F349</sup>CAA], demonstration of the OJT shall consist of (i) detailed worksheets/logbook and (ii) a compliance report demonstrating how the OJT meets the requirement of this Part.

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#### Textual Amendments

**F349** Word in Annex 3 Appendix 3 point 6 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **278(4)(e)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12**); 2020 c. 1, **Sch. 5 para. 1(1)**

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## [<sup>F24</sup>Appendix IV

### Experience requirements for extending a Part-66 aircraft maintenance licence

The table below shows the experience requirements for adding a new category or subcategory to an existing Part-66 licence.

The experience shall be practical maintenance experience in operating aircraft in the subcategory relevant to the application.

The experience requirement will be reduced by 50 % if the applicant has completed an approved Part-147 course relevant to the subcategory.

To	From	A1	A2	A3	A4	B1.1	B1.2	B1.3	B1.4	B2	B2L	B3
<b>A1</b>	—	6 months	6 months	6 months	2 years	6 months	2 years	1 year	2 years	1 year	6 months	
<b>A2</b>	6 months	—	6 months	6 months	2 years	6 months	2 years	1 year	2 years	1 year	6 months	
<b>A3</b>	6 months	6 months	—	6 months	2 years	1 year	2 years	6 months	2 years	1 year	1 year	
<b>A4</b>	6 months	6 months	6 months	—	2 years	1 year	2 years	6 months	2 years	1 year	1 year	
<b>B1.1</b>	None	6 months	6 months	6 months	—	6 months	6 months	6 months	1 year	1 year	6 months	
<b>B1.2</b>	6 months	None	6 months	6 months	2 years	—	2 years	6 months	2 years	1 year	None	
<b>B1.3</b>	6 months	6 months	None	6 months	6 months	6 months	—	6 months	1 year	1 year	6 months	
<b>B1.4</b>	6 months	6 months	6 months	None	2 years	6 months	2 years	—	2 years	1 year	6 months	
<b>B2</b>	6 months	6 months	6 months	6 months	1 year	1 year	1 year	1 year	—	—	1 year	
<b>B2L</b>	6 months	6 months	6 months	6 months	1 year	1 year	1 year	1 year	1 year	—	1 year	
<b>B3</b>	6 months	None	6 months	6 months	2 years	6 months	2 years	1 year	2 years	1 year	—]	

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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<sup>F24</sup> Appendix V  
F350F351F352F353 **Application Form — [<sup>F354</sup>CAA Form 19]**

1. This Appendix contains an example of the form used for applying for the aircraft maintenance licence referred to in Annex III (Part-66).
2. The [<sup>F355</sup>CAA] may modify the [<sup>F356</sup>CAA Form 19] only to include additional information necessary to support the case where the national requirements permit or require the aircraft maintenance licence issued in accordance with Annex III (Part-66) to be used outside the requirements of Annex I (Part-M) and Annex II (Part-145).]

**Textual Amendments**

- F355** Word in Annex 3 Appendix 5 point 2 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **278(5)(a)(ii)(aa)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)
- F356** Words in Annex 3 Appendix 5 point 2 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **278(5)(a)(ii)(bb)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

APPLICATION FOR INITIAL/AMENDMENT OF/RENEWAL OF PART-66 AIRCRAFT MAINTENANCE LICENCE (AML)	EASA FORM 19																																																																																																				
<b>APPLICANT'S DETAILS:</b> Name: ..... Address: ..... Tel: ..... E-mail: ..... Nationality: ..... Date and Place of Birth: .....																																																																																																					
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<b>EMPLOYER'S DETAILS:</b> Name: ..... Address: ..... ..... Maintenance Organisation Approval Reference: ..... Tel: ..... Fax: .....																																																																																																					
<b>APPLICATION FOR: (Tick relevant boxes)</b> Initial AML <input type="checkbox"/> Amendment of AML <input type="checkbox"/> Renewal of AML <input type="checkbox"/> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">(Sub)categories</th> <th style="text-align: center; padding: 2px;">A</th> <th style="text-align: center; padding: 2px;">B1</th> <th style="text-align: center; padding: 2px;">B2</th> <th style="text-align: center; padding: 2px;">B2L</th> <th style="text-align: center; padding: 2px;">B3</th> <th style="text-align: center; padding: 2px;">C</th> <th style="text-align: center; padding: 2px;">L (see below)</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Aeroplane Turbine</td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 2px;"></td> <td style="text-align: center; padding: 2px;"></td> <td style="text-align: center; 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I wish to apply for initial/amendment of/renewal of Part-66 AML, as indicated, and confirm that the information contained in this form was correct at the time of application.

I herewith confirm that:

- 1. I am not holding any Part-66 AML issued in another Member State;
- 2. I have not applied for any Part-66 AML in another Member State; and
- 3. I never had a Part-66 AML issued in another Member State which was revoked or suspended in any other Member State.

I also understand that any incorrect information could disqualify me from holding a Part-66 AML.

Signed: ..... Name: .....

Date: .....

I wish to claim the following credits (if applicable):

.....  
.....  
.....

Experience credits for Part-147 training

.....  
.....  
.....

Examination credits for equivalent exam certificates

.....  
.....  
.....

Please enclose all relevant certificates

Recommendation (if applicable): It is hereby certified that the applicant has met the relevant Part-66 maintenance knowledge and experience requirements and it is recommended that the competent authority grants or endorses the Part-66 AML.

Signed: ..... Name: .....

Position: ..... Date: .....

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## [<sup>F1</sup>]<sup>F24</sup>Appendix VI

### F357F358F359F360F361F362F363F364 Aircraft Maintenance Licence referred to in Annex III (Part-66) – [<sup>F365</sup>CAA Form 26]]

- [<sup>F34</sup>1. An example of the aircraft maintenance licence referred to in Annex III (Part-66) can be found on the following pages.
2. The document shall be printed in the standardised form shown but may be reduced in size to allow it being generated by computer. When the size is reduced, care shall be taken to ensure that sufficient space is available in those places where official seals or stamps are required. Computer-generated documents need not have all the boxes incorporated when any such box remains blank, so long as the document can clearly be recognised as an aircraft maintenance licence issued in accordance with Annex III (Part-66).
3. [<sup>F366</sup>The document must be completed in English. ]

#### Textual Amendments

**F366** Annex 3 Appendix 6 point 3 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **278(6)(a)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

4. Each licence holder shall have a unique licence holder number, established on the basis of a national identifier and an alpha-numeric designator.
5. The document may have the pages in a different order to the one of this example and needs not have some or any divider lines as long as the information contained is positioned in such a manner that each page lay-out can clearly be identified with the format of the example of the aircraft maintenance licence contained herein.
6. The document shall be prepared by the [<sup>F367</sup>CAA]. However, it may also be prepared by any maintenance organisation approved in accordance with Annex II (Part-145), where the [<sup>F367</sup>CAA] agrees to this and the preparation takes place in accordance with a procedure laid down in the maintenance organisation exposition referred to in point 145.A.70 of Annex II (Part-145). In all cases, the [<sup>F367</sup>CAA] shall issue the document.

#### Textual Amendments

**F367** Word in Annex 3 Appendix 6 point 6 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **278(6)(a)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

7. The preparation of any change to an existing aircraft maintenance licence shall be carried out by the [<sup>F368</sup>CAA]. However, it may also be prepared by any maintenance organisation approved in accordance with Annex II (Part- 145), where the [<sup>F368</sup>CAA] agrees to this and the preparation takes place in accordance with a procedure laid down in the maintenance organisation exposition referred to in point 145.A.70 of Annex II (Part-145). In all cases, the [<sup>F368</sup>CAA] shall change the document.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F368** Word in Annex 3 Appendix 6 point 7 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 278(6)(a)(iii) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

8. The holder of the aircraft maintenance licence shall keep it in good condition and shall ensure that no unauthorised entries are made. Failure to comply with this rule may invalidate the license or lead to the holder not being permitted to hold any certification privilege. It may also result in prosecution under national law.

9. F369 ...

#### Textual Amendments

**F369** Annex 3 Appendix 6 point 9 omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 278(6)(a)(iv) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

10. The Annex to [F370 CAA Form 26] is optional and may only be used to include national privileges, where such privileges are covered by national law outside the scope of Annex III (Part-66).

#### Textual Amendments

**F370** Words in Annex 3 Appendix 6 point 10 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 278(6)(a)(v) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

11. With regard to the aircraft type rating page of the aircraft maintenance licence, the [F371 CAA] may decide not to issue this page until the first aircraft type rating needs to be endorsed and may need to issue more than one aircraft type rating page depending on the number of type ratings to be listed.

#### Textual Amendments

**F371** Word in Annex 3 Appendix 6 point 11 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 278(6)(a)(vi) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

12. Notwithstanding point 11, each page issued shall be in the format of this example and contain the specified information for that page.
13. The aircraft maintenance licence shall clearly indicate that the limitations are exclusions from the certification privileges. If there are no limitations applicable, the LIMITATIONS page shall state ‘ No limitations ’ .
14. Where a pre-printer format is used for issuing the aircraft maintenance licence, any category, subcategory or type rating box which does not contain a rating entry shall be marked to show that the rating is not held.]]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

I.  
**EUROPEAN UNION (\*)**  
**[STATE]**  
**[AUTHORITY NAME & LOGO]**

II.  
**Part-66**  
**AIRCRAFT MAINTENANCE**  
**LICENCE**

III.  
**Licence No [MEMBER STATE**  
**CODE].66.[XXXX]**

EASA FORM 26 Issue 5

IVa. Full name of holder:

IVb. Date and place of birth:

V. Address of holder:

VI. Nationality of holder:

VII. Signature of holder:

III. Licence No:

VIII. CONDITIONS:

This licence shall be signed by the holder and be accompanied by an identity document containing a photograph of the licence holder.

Endorsement of any categories on the page(s) entitled 'Part-66 CATEGORIES' only, does not permit the holder to issue a certificate of release to service for an aircraft.

This licence, when endorsed with an aircraft rating, meets the intent of ICAO Annex 1.

The privileges of this licence holder are prescribed by Regulation (EU) No 1321/2014 and, in particular, Annex III (Part-66) thereto.

This licence remains valid until the date specified on the limitation page unless previously suspended or revoked.

The privileges of this licence may not be exercised unless in the preceding two-year period, the holder had either six months of maintenance experience in accordance with the privileges granted by the licence, or met the provisions for the issue of the appropriate privileges.

III. Licence No:

IX. Part-66 CATEGORIES

VALIDITY	A	B1	B2	B2L	B3	L	C
Aeroplanes Turbine			n/a	n/a	n/a	n/a	n/a
Aeroplanes Piston			n/a	n/a	n/a	n/a	n/a
Helicopters Turbine			n/a	n/a	n/a	n/a	n/a
Helicopters Piston			n/a	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:



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XII. PART-66 RATINGS		
Aircraft rating/ System ratings	Category/Subcategory	Stamp & Date
III. Licence No:		

XIII. PART-66 LIMITATIONS
Valid until:
III. Licence No:

Annex to EASA FORM 26
XIV. NATIONAL PRIVILEGES outside the scope of Part-66, in accordance with [National Legislation] (Valid only in [Member State])
Official Stamp & Date
III. Licence No:

<p>INTENTIONALLY LEFT BLANK</p>
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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## [<sup>F34</sup>Appendix VII

### Basic knowledge requirements for category L aircraft maintenance licence

The definitions of the different levels of knowledge required in this Appendix are the same as those contained in point 1 of Appendix I to Annex III (Part-66).

Subcategories	Modules required for each subcategory (refer to the syllabus table below)
L1C: composite sailplanes	1L, 2L, 3L, 5L, 7L and 12L
L1: sailplanes	1L, 2L, 3L, 4L, 5L, 6L, 7L and 12L
L2C: composite powered sailplanes and composite ELA1 aeroplanes	1L, 2L, 3L, 5L, 7L, 8L and 12L
L2: powered sailplanes and ELA1 aeroplanes	1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L and 12L
L3H: hot-air balloons	1L, 2L, 3L, 9L and 12L
L3G: gas balloons	1L, 2L, 3L, 10L and 12L
L4H: hot-air airships	1L, 2L, 3L, 8L, 9L, 11L and 12L
L4G: ELA2 gas airships	1L, 2L, 3L, 8L, 10L, 11L and 12L
L5: gas airships above ELA2	Basic knowledge requirements for any B1 subcategory plus 8L (for B1.1 and B1.3), 10L, 11L and 12L

#### TABLE OF CONTENTS:

##### Module Designation

1L	‘Basic knowledge’
2L	‘Human factors’
3L	‘Aviation legislation’
4L	‘Airframe wooden/metal tube and fabric’
5L	‘Airframe composite’
6L	‘Airframe metal’
7L	‘Airframe general’
8L	‘Power plant’
9L	‘Balloon/Airship hot air’
10L	‘Balloon/Airship gas (free/tethered)’
11L	‘Airships hot air/gas’
12L	‘Radio Com/ELT/Transponder/Instruments’

#### MODULE 1L — BASIC KNOWLEDGE

	Level
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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

<p>1L.1 Mathematics</p> <p>Arithmetic</p> <ul style="list-style-type: none"> <li>— Arithmetical terms and signs;</li> <li>— Methods of multiplication and division;</li> <li>— Fractions and decimals;</li> <li>— Factors and multiples;</li> <li>— Weights, measures and conversion factors;</li> <li>— Ratio and proportion;</li> <li>— Averages and percentages;</li> <li>— Areas and volumes, squares, cubes.</li> </ul> <p>Algebra</p> <ul style="list-style-type: none"> <li>— Evaluating simple algebraic expressions: addition, subtraction, multiplication and division;</li> <li>— Use of brackets;</li> <li>— Simple algebraic fractions.</li> </ul> <p>Geometry</p> <ul style="list-style-type: none"> <li>— Simple geometrical constructions;</li> <li>— Graphical representation: nature and uses of graphs.</li> </ul>	1
<p>1L.2 Physics</p> <p>Matter</p> <ul style="list-style-type: none"> <li>— Nature of matter: the chemical elements;</li> <li>— Chemical compounds;</li> <li>— States: solid, liquid and gaseous;</li> <li>— Changes between states.</li> </ul> <p>Mechanics</p> <ul style="list-style-type: none"> <li>— Forces, moments and couples, representation as vectors;</li> <li>— Centre of gravity;</li> <li>— Tension, compression, shear and torsion;</li> <li>— Nature and properties of solids, fluids and gases.</li> </ul> <p>Temperature</p> <ul style="list-style-type: none"> <li>— Thermometers and temperature scales: Celsius, Fahrenheit and Kelvin;</li> <li>— Heat definition.</li> </ul>	1
<p>1L.3 Electrics</p> <p>DC Circuits</p> <ul style="list-style-type: none"> <li>— Ohm's law, Kirchoff's voltage and current laws;</li> <li>— Significance of the internal resistance of a supply;</li> <li>— Resistance/resistor;</li> </ul>	1

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Resistor colour code, values and tolerances, preferred values, wattage ratings;	
—	Resistors in series and parallel.	
1L.4	<p>Aerodynamics/aerostatics International Standard Atmosphere (ISA), application to aerodynamics and aerostatics.</p> <p>Aerodynamics</p> <ul style="list-style-type: none"> <li>— Airflow around a body;</li> <li>— Boundary layer, laminar and turbulent flow;</li> <li>— Thrust, weight, aerodynamic resultant;</li> <li>— Generation of lift and drag: angle of attack, polar curve, stall.</li> </ul> <p>Aerostatics Effect on envelopes, wind effect, altitude and temperature effects.</p>	1
1L.5	<p>Workplace safety and environmental protection</p> <ul style="list-style-type: none"> <li>— Safe working practices and precautions when working with electricity, gases (especially oxygen), oils and chemicals;</li> <li>— Labelling, storage and disposal of hazardous (to safety and environment) materials;</li> <li>— Remedial action in the event of a fire or another accident with one or more hazards, including knowledge of extinguishing agents.</li> </ul>	2

## MODULE 2L — HUMAN FACTORS

		Level
2L.1	<p>General</p> <ul style="list-style-type: none"> <li>— The need to take human factors into account;</li> <li>— Incidents attributable to human factors/human error;</li> <li>— Murphy's Law.</li> </ul>	1
2L.2.	<p>Human performance and limitations Vision, hearing, information processing, attention and perception, memory.</p>	1
2L.3	Social psychology	1

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Responsibility, motivation, peer pressure, teamwork.	
2L.4 Factors affecting performance Fitness/health, stress, sleep, fatigue, alcohol, medication, drug abuse.	1
2L.5 Physical environment Working environment (climate, noise, illumination).	1

### MODULE 3L — AVIATION LEGISLATION

	Level
3L.1 Regulatory framework — Role of the European Commission, EASA and National Aviation Authorities (NAAs); — Applicable parts of Part-M and Part-66.	1
3L.2 Repairs and modifications — Approval of changes (repairs and modifications); — Standard changes and standard repairs.	2
3L.3 Maintenance data — Airworthiness Directives (ADs), Instructions for Continuing Airworthiness (ICA) (AMM, IPC, etc.); — Flight Manual; — Maintenance records.	2

### MODULE 4L — AIRFRAME WOODEN/METAL TUBE AND FABRIC

	Level
4L.1 Airframe wooden/combination of metal tube and fabric — Timber, plywood, adhesives, preservation, power line, properties, machining; — Covering (covering materials, adhesives and finishes, natural and synthetic covering materials and adhesives); — Paint, assembly and repair processes;	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Recognition of damages from overstressing of wooden/metal-tube and fabric structures;	
—	Deterioration of wood components and coverings;	
—	Crack test (optical procedure, e.g., magnifying glass) of metal components. Corrosion and preventive methods. Health and fire safety protections.	
4L.2	<p>Material</p> <ul style="list-style-type: none"> <li>— Types of wood, stability, and machining properties;</li> <li>— Steel and light alloy tubes and fittings, fracture inspections of welded seams;</li> <li>— Plastics (overview, understanding of the properties);</li> <li>— Paints and paint removal;</li> <li>— Glues, adhesives;</li> <li>— Covering materials and technologies (natural and synthetic polymers).</li> </ul>	2
4L.3	<p>Identifying damage</p> <ul style="list-style-type: none"> <li>— Overstress of wood / metal-tubing and fabric structures;</li> <li>— Load transfers;</li> <li>— Fatigue strength and crack testing.</li> </ul>	3
4L.4	<p>Performance of practical activities</p> <ul style="list-style-type: none"> <li>— Locking of pins, screws, castellated nuts, turnbuckles;</li> <li>— Thimble splice;</li> <li>— Nicopress and Talurit repairs;</li> <li>— Repair of coverings;</li> <li>— Repair of transparencies;</li> <li>— Repair exercises (plywood, stringer, handrails, skins);</li> <li>— Aircraft Rigging. Calculation of control surface mass balance and range of movement of the control surfaces, measurement of operating forces;</li> <li>— Performance of 100-hours/annual inspections on a wood or combination of metal-tube and fabric airframe.</li> </ul>	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## MODULE 5L — AIRFRAME COMPOSITE

	Level
5L.1 Airframe fibre-reinforced plastic (FRP) <ul style="list-style-type: none"> <li>— Basic principles of FRP construction;</li> <li>— Resins (Epoxy, polyester, phenolic resins, vinyl ester resins);</li> <li>— Reinforcement materials glass, aramide and carbon fibres, features;</li> <li>— Fillers;</li> <li>— Supporting cores (balsa, honeycombs, foamed plastics);</li> <li>— Constructions, load transfers (solid FRP shell, sandwiches);</li> <li>— Identification of damage during overstressing of components;</li> <li>— Procedure for FRP projects (according to Maintenance Organisation Manual) including storage conditions for material.</li> </ul>	2
5L.2 Material <ul style="list-style-type: none"> <li>— Thermosetting plastics, thermoplastic polymers, catalysts;</li> <li>— Understanding properties, machining technologies, detaching, bonding, welding;</li> <li>— Resins for FRP: epoxy resins, polyester resins, vinyl ester resins, phenolic resins;</li> <li>— Reinforcement materials;</li> <li>— From elementary fibre to filaments (release agent, finish), weaving patterns;</li> <li>— Properties of individual reinforcement materials (E-glass fibre, aramide fibre, carbon fibre);</li> <li>— Problem with multiple-material systems, matrix;</li> <li>— Adhesion/cohesion, various behaviours of fibre materials;</li> <li>— Filling materials and pigments;</li> <li>— Technical requirements for filling materials;</li> <li>— Property change of the resin composition through the use of E-glass, micro balloon, aerosols, cotton, minerals, metal powder, organic substances;</li> </ul>	2

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Paint assembly and repair technologies;	
—	Support materials;	
—	Honeycombs (paper, FRP, metal), balsa wood, Divinycell (Contizell), development trends.	
5L.3	Assembly of Fibre-Reinforced Composite-Structure Airframes	2
—	Solid shell;	
—	Sandwiches;	
—	Assembly of aerofoils, fuselages, control surfaces.	
5L.4	Identifying Damage	3
—	Behaviour of FRP components in the event of overstressing;	
—	Identifying delaminations, loose bonds;	
—	Bending vibration frequency in aerofoils;	
—	Load transfer;	
—	Frictional connection and positive locking;	
—	Fatigue strength and corrosion of metal parts;	
—	Metal bonding, surface finishing of steel and aluminium components during bonding with FRP.	
5L.5	Mold making	2
—	Plaster molds, mold ceramics;	
—	GFK molds, Gel-coat, reinforcement materials, rigidity problems;	
—	Metal molds;	
—	Male and female molds.	
5L.6	Performance of practical activities	2
—	Locking of pin, screws, castellated nuts, turnbuckles;	
—	Thimble splice;	
—	Nicopress and Talurit repairs;	
—	Repair of coverings;	
—	Repair of solid FRP shells;	
—	Mold fabrication/molding of a component (e.g. fuselage nose, landing gear fairing, wing tip and winglet);	
—	Repair of sandwich shell where interior and exterior layer are damaged;	



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—	Repair of sandwich shell by pressing with a vacuum bag;
—	Transparency repair (PMMA) with one- and two-component adhesive;
—	Bonding of transparency with the canopy frame;
—	Tempering of transparencies and other components;
—	Performance of a repair on a sandwich shell (minor repair less than 20 cm);
—	Aircraft Rigging. Calculation of control surface mass balance and range of movement of the control surfaces, measurement of operating forces;
—	Performance of 100-hour/annual inspections on an FRP airframe.

## MODULE 6L — AIRFRAME METAL

	Level
6L.1	2
—	Airframe metal
—	Metallic materials and semi-finished products, machining methods;
—	Fatigue strength and crack test;
—	Assembly of metal-construction components, riveted joints, adhesive joints;
—	Identification of damage to overstressed components, effects of corrosion;
—	Health and fire protection.
6L.2	2
—	Material
—	Steel and its alloys;
—	Light metals and their light alloys;
—	Rivet materials;
—	Plastics;
—	Colours and paints;
—	Metal adhesives;
—	Types of corrosion;
—	Covering materials and technologies (natural and synthetic).
6L.3	3
—	Identifying damage
—	Overstressed metal airframes, levelling, measurement of symmetry;

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Load transfers;	
—	Fatigue strength and crack test;	
—	Identifying loose riveted joints.	
6L.4	Assembly of metal- and composite-construction airframes	2
—	Skins;	
—	Frames;	
—	Stringers and longerons;	
—	Frame construction;	
—	Problems in multiple-material systems.	
6L.5	Fasteners	2
—	Classifications of fits and clearances;	
—	Metric and imperial measuring systems;	
—	Oversize bolt.	
6L.6	Performance of practical activities	2
—	Locking of pins, screws, castellated nuts, turnbuckles;	
—	Thimble splice;	
—	Nicopress and Talurit repairs;	
—	Repair of coverings, surface damage, stop drilling techniques;	
—	Repair of transparencies;	
—	Cutting out sheet metals (aluminiums and light alloys, steel and alloys);	
—	Folding bending, edging, beating, smoothening, beading;	
—	Repair riveting of metal airframes according to repair instruction or drawings;	
—	Evaluation of rivet errors;	
—	Aircraft Rigging. Calculation of control surface mass balance and range of movement of the control surfaces, measurement of operating forces;	
—	Performance of 100-hour/annual inspections on a metal airframe.	

#### MODULE 7L — AIRFRAME GENERAL

		Level
7L.1	Flight control system	3

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Cockpit controls: controls in cockpit, colour markings, knob shapes;	
—	Flight controls surfaces, flaps, air brakes surfaces, controls, hinges, bearings, brackets, push-pull rods, bell cranks, horns, pulleys, cables, chains, tubes, rollers, tracks, jack screws, surfaces, movements, lubrication, stabilisers, balancing of controls;	
—	Combination of controls: flap ailerons, flap air brakes;	
—	Trim systems.	
7L.2	Airframe	2
—	Landing gear: characteristics of landing gears and shock absorber strut, extension, brakes, drum, disks, wheel, tyre, retraction mechanism, electrical retraction, emergency;	
—	Wing to fuselage mounting points, empennage (fin and tail plane) to fuselage mounting points, control surface mounting points;	
—	Permissible maintenance measures;	
—	Towing: towing/lifting equipment/mechanism;	
—	Cabin: seats and safety harness, cabin arrangement, windshields, windows, placards, baggage compartment, cockpit controls, cabin air system, blower;	
—	Water ballast: water reservoirs, lines, valves, drains, vents, tests;	
—	Fuel system: tanks, lines, filters, vents, drains, filling, selector valve, pumps, indication, tests, bonding;	
—	Hydraulics: system layout, accumulators, pressure and power distribution, indication;	
—	Liquid and gas: hydraulic, other fluids, levels, reservoir, lines, valves, filter;	
—	Protections: firewalls, fire protection, lightning strike bonding, turnbuckles, locking devices, dischargers.	
7L.3	Fasteners	2
—	Reliability of pins, rivets, screws;	

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—	Control cables, turnbuckles;	
—	Quick-release couplings (L'Hotellier, SZD, Poland).	
7L.4	Locking equipment	2
—	Admissibility of locking methods, locking pins, spring steel pins, locking wire, stop nuts, paint;	
—	Quick-release couplings.	
7L.5	Weight and balance levelling	2
7L.6	Rescue systems	2
7L.7	On-board modules	2
—	Pitot-static system, vacuum/ dynamic system, hydrostatic test;	
—	Flight instruments: airspeed indicator, altimeter, vertical- speed indicator, connection and functioning, markings;	
—	Arrangement and display, panel, electrical wires;	
—	Gyroscopes, filters, indicating instruments; testing of function;	
—	Magnetic compass: installation and compass swing;	
—	Sailplanes: acoustic vertical- speed indicator, flight recorders, anticollision aid;	
—	Oxygen system.	
7L.8	On-board modules installation and connections	2
—	Flight instruments, mounting requirements (emergency landing conditions as per CS-22);	
—	Electric wiring, power sources, types of storage batteries, electrical parameters, electric generator, circuit breaker, energy balance, earth/ground, connectors, terminals, warnings, fuses, lamps, lightings, switches, voltmeters, ampere meters, electrical gauges.	
7L.9	Piston engine propulsion Interface between power plant and airframe.	2
7L.10	Propeller	2
—	Inspection;	

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—	Replacement;	
—	Balancing.	
7L.11	Retraction system	2
—	Propeller position control;	
—	Engine and/or propeller retraction system.	
7L.12	Physical inspection procedures	2
—	Cleaning, use of lighting and mirrors;	
—	Measuring tools;	
—	Measure of controls deflection;	
—	Torque of screws and bolts;	
—	Wear of bearings;	
—	Inspection equipment;	
—	Calibration of measuring tools.	

#### MODULE 8L — POWER PLANT

		Level
8L.1	Noise limits	1
—	Explanation of the concept of ‘noise level’;	
—	Noise certificate;	
—	Enhanced sound proofing;	
—	Possible reduction of sound emissions.	
8L.2	Piston engines	2
—	Four-stroke spark ignition engine, air-cooled engine, fluid-cooled engine;	
—	Two-stroke engine;	
—	Rotary-piston engine;	
—	Efficiency and influencing factors (pressure–volume diagram, power curve);	
—	Noise control devices.	
8L.3	Propeller	2
—	Blade, spinner, backplate, accumulator pressure, hub;	
—	Operation of propellers;	
—	Variable-pitch propellers, ground and in-flight adjustable propellers, mechanically, electrically and hydraulically;	
—	Balancing (static, dynamic);	
—	Noise problems.	

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8L.4 Engine control devices — Mechanical control devices; — Electrical control devices; — Tank displays; — Functions, characteristics, typical errors and error indications.	2
8L.5 Hosepipes — Material and machining of fuel and oil hoses; — Control of life limit.	2
8L.6 Accessories — Operation of magneto ignition; — Control of maintenance limits; — Operation of carburettors; — Maintenance instructions on characteristic features; — Electric fuel pumps; — Operation of propeller controls; — Electrically operated propeller control; — Hydraulically operated propeller control.	2
8L.7 Ignition system — Constructions: coil ignition, magneto ignition, and thyristor ignition; — Efficiency of the ignition and preheat system; — Modules of the ignition and preheat system; — Inspection and testing of a spark plug.	2
8L.8 Induction and exhaust systems — Operation and assembly; — Silencers and heater installations; — Nacelles and cowlings; — Inspection and test; — CO emission test.	2
8L.9 Fuels and lubricants — Fuel characteristics; — Labelling, environmentally friendly storage; — Mineral and synthetic lubricating oils and their parameters: labelling and characteristics, application;	2

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—	Environmentally friendly storage and proper disposal of used oil.	
8L.10	Documentation	2
—	Manufacturer documents for the engine and propeller;	
—	Instructions for Continuing Airworthiness (ICA);	
—	Aircraft Flight Manuals (AFMs) and Aircraft Maintenance Manuals (AMMs);	
—	Time Between Overhaul (TBO);	
—	Airworthiness Directives (ADs), technical notes and service bulletins.	
8L.11	Illustrative material	2
—	Cylinder unit with valve;	
—	Carburettor;	
—	High-tension magneto;	
—	Differential-compression tester for cylinders;	
—	Overheated/damaged pistons;	
—	Spark plugs of engines that were operated differently.	
8L.12	Practical experience	2
—	Work safety/accident prevention (handling of fuels and lubricants, start-up of engines);	
—	Rigging-engine control rods and Bowden cables;	
—	Setting of no-load speed;	
—	Checking and setting the ignition point;	
—	Operational test of magnetos;	
—	Checking the ignition system;	
—	Testing and cleaning of spark plugs;	
—	Performance of the engine tasks contained in an aeroplane 100-hour/annual inspection;	
—	Cylinder compression test;	
—	Static test and evaluation of the engine run;	
—	Documentation of maintenance work including replacement of components.	
8L.13	Gas exchange in internal-combustion engines	2
—	Four-stroke reciprocating engine and control units;	

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Energy losses; Ignition timing; Direct flow behaviour of control units; Wankel engine and control units; Two-stroke engine and control units; Scavenging; Scavenging blower; Idle range and power range.	
8L.14	Ignition, combustion and carburation — Ignition; — Spark plugs; — Ignition system; — Combustion process; — Normal combustion; — Efficiency and medium pressure; — Engine knock and octane rating; — Combustion chamber shapes; — Fuel/air mix in the carburettor; — Carburettor principle, carburettor equation; — Simple carburettor; — Problems of the simple carburettor and their solutions; — Carburettor models; — Fuel/air mix during injection; — Mechanically controlled injection; — Electronically controlled injection; — Continuous injection; — Carburettor-injection comparison.	2
8L.15	Flight instruments in aircraft with injection engines — Special flight instruments (injection engine); — Interpretation of indications in a static test; — Interpretation of indications in flight at various flight levels.	2
8L.16	Maintenance of aircraft with injection engines — Documentation, manufacturer documents, etc.; — General maintenance instructions (hourly inspections); — Functional tests; — Ground test run; — Test flight;	2



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Troubleshooting in the event of faults in the injection system and their correction.	
8L.17	Workplace safety and safety provisions Work safety and safety provisions for work on injection systems.	2
8L.18	Visual aids: — Carburettor; — Components of injection system; — Aircraft with injection engine; — Tool for work on injection systems.	2
8L.19	Electrical propulsion — Energy system, accumulators, installation; — Electrical motor; — Heat, noise and vibration checks; — Testing windings; — Electrical wiring and control systems; — Pylon, extension and retraction systems; — Motor/propeller brake systems; — Motor ventilation systems; — Practical experience of 100-hour/annual inspections.	2
8L.20	Jet propulsion — Engine installation; — Pylon, extension and retraction systems; — Fire protection; — Fuel systems including lubrication; — Engine starting systems, gas assist; — Engine damage assessment; — Engine servicing; — Engine removal / refit and test; — Practical experience of conditional / run time / annual inspections; — Conditional inspections.	2
8L.21	Full authority digital engine control (FADEC)	2

## MODULE 9L — BALLOON/AIRSHIP HOT AIR

	<b>Level</b>
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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

<p>9L.1 Basic principles and assembly of hot-air balloons/airships</p> <ul style="list-style-type: none"> <li>— Assembly and individual parts;</li> <li>— Envelopes;</li> <li>— Envelope Materials;</li> <li>— Envelope Systems;</li> <li>— Conventional and special shapes;</li> <li>— Fuel System;</li> <li>— Burner, burner frame and burner support rods;</li> <li>— Compressed-gas cylinders and compressed-gas hoses;</li> <li>— Basket and alternative devices (seats);</li> <li>— Rigging accessories;</li> <li>— Maintenance and servicing tasks;</li> <li>— Annual/100-hour inspection;</li> <li>— Log Books;</li> <li>— Aircraft Flight Manuals (AFMs) and Aircraft Maintenance Manuals (AMMs);</li> <li>— Rigging and launch preparation (launch restraint);</li> <li>— Launch.</li> </ul>	3
<p>9L.2 Practical training Operating controls, maintenance and servicing jobs (according to flight manual).</p>	3
<p>9L.3 Envelope</p> <ul style="list-style-type: none"> <li>— Fabrics;</li> <li>— Seams;</li> <li>— Load tapes, rip stoppers;</li> <li>— Crown rings;</li> <li>— Parachute valve and fast-deflation systems;</li> <li>— Ripping panel;</li> <li>— Turning vent;</li> <li>— Diaphragms/catenaries (special shapes and airships);</li> <li>— Rollers, pulleys;</li> <li>— Control and shroud lines;</li> <li>— Knots;</li> <li>— Temperature indication label, temperature flag, envelope thermometer;</li> <li>— Flying wires;</li> <li>— Fittings, karabiners.</li> </ul>	3
<p>9L.4 Burner and fuel system</p> <ul style="list-style-type: none"> <li>— Burner coils;</li> </ul>	3

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Blast, liquid and pilot valves;	
—	Burners/jets;	
—	Pilot lights/vaporisers/jets;	
—	Burner frame;	
—	Fuel lines/hoses;	
—	Fuel cylinders, valves and fittings.	
9L.5	Basket and basket suspension (incl. alternative devices)	3
—	Types of baskets (incl. alternative devices);	
—	Basket materials: cane and willow, hide, wood, trim materials, suspension cables;	
—	Seats, roller bearings;	
—	Karabiner, shackle and pins;	
—	Burner support rods;	
—	Fuel cylinder straps;	
—	Accessories.	
9L.6	Equipment	3
—	Fire extinguisher, fire blanket;	
—	Instruments (single or combined).	
9L.7	Minor repairs	3
—	Stitching;	
—	Bonding;	
—	Basket hide/trim repairs.	
9L.8	Procedures for physical inspection	2
—	Cleaning, use of lighting and mirrors;	
—	Measuring tools;	
—	Measure of controls deflection (only airships);	
—	Torque of screws and bolts;	
—	Wear of bearings (only airships);	
—	Inspection equipment;	
—	Calibration of measuring tools;	
—	Fabric Grab Test.	

#### MODULES 10L — BALLOON/AIRSHIP GAS (FREE/TETHERED)

		Level
10L.1	Basic principles and assembly of gas balloons/airships	3
—	Assembly of individual parts;	
—	Envelope and netting material;	
—	Envelope, ripping panel, emergency opening, cords and belts;	
—	Rigid gas valve;	

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Flexible gas valve (parachute);	
—	Netting;	
—	Load ring;	
—	Basket and accessories (including alternative devices);	
—	Electrostatic discharge paths;	
—	Mooring line and drag rope;	
—	Maintenance and servicing;	
—	Annual inspection;	
—	Flight papers;	
—	Aircraft Flight Manuals (AFMs) and Aircraft Maintenance Manuals (AMMs);	
—	Rigging and launch preparation;	
—	Launch.	
10L.2	Practical training	3
—	Operating controls;	
—	Maintenance and servicing jobs (according to AMM and AFM);	
—	Safety rules when using hydrogen as lifting gas.	
10L.3	Envelope	3
—	Fabrics;	
—	Poles and reinforcement of pole;	
—	Ripping panel and cord;	
—	Parachute and shroud lines;	
—	Valves and cords;	
—	Filler neck, Poeschel-ring and cords;	
—	Electrostatic discharge paths.	
10L.4	Valve	3
—	Springs;	
—	Gaskets;	
—	Screwed joints;	
—	Control lines;	
—	Electrostatic discharge paths.	
10L.5	Netting or rigging (without net)	3
—	Kinds of net and other lines;	
—	Mesh sizes and angles;	
—	Net ring;	
—	Knotting methods;	
—	Electrostatic discharge paths.	
10L.6	Load ring	3
10L.7	Basket (incl. alternative devices)	3
—	Kinds of baskets (incl. alternative devices);	

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Strops and toggles;	
—	Ballast system (bags and supports);	
—	Electrostatic discharge paths.	
10L.8	Ripping cord and valve cords	3
10L.9	Mooring line and drag rope	3
10L.10	Minor repairs	3
—	Bonding;	
—	Splicing hemp ropes.	
10L.11	Equipment Instruments (single or combined).	3
10L.12	Tether cable (tethered gas balloons (TGB) only)	3
—	Kinds of cables;	
—	Acceptable damage of cable;	
—	Cable swivel;	
—	Cable clamps.	
10L.13	Winch (tethered gas balloons only)	3
—	Kinds of winches;	
—	Mechanical system;	
—	Electrical system;	
—	Emergency system;	
—	Grounding/ballasting of winch.	
10L.14	Procedures for physical inspection	2
—	Cleaning, use of lighting and mirrors;	
—	Measuring tools;	
—	Measure of controls deflection (only airships);	
—	Torque of screws and bolts;	
—	Wear of bearings (only airships);	
—	Inspection equipment;	
—	Calibration of measuring tools;	
—	Fabric grab test.	

#### MODULES 11L — AIRSHIPS HOT AIR/GAS

		Level
11L.1	Basic principles and assembly of small airships	3
—	Envelope, ballonnets;	
—	Valves, openings;	
—	Gondola;	
—	Propulsion;	

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

—	Aircraft Flight Manuals (AFMs) and Aircraft Maintenance Manuals (AMMs);	
—	Rigging and launch preparation.	
11L.2	Practical training	3
—	Operating controls;	
—	Maintenance and servicing jobs (according to AMM and AFM).	
11L.3	Envelope	3
—	Fabrics;	
—	Ripping panel and cords;	
—	Valves;	
—	Catenary system.	
11L.4	Gondola (incl. alternative devices)	3
—	Kinds of gondolas (incl. alternative devices);	
—	Airframe types and materials;	
—	Identification of damage.	
11L.5	Electrical system	3
—	Basics about on-board electrical circuits;	
—	Electrical sources (accumulators, fixation, ventilation, corrosion);	
—	Lead, nickel-cadmium (NiCd) or other accumulators, dry batteries;	
—	Generators;	
—	Wiring, electrical connections;	
—	Fuses;	
—	External power source;	
—	Energy balance.	
11L.6	Propulsion	3
—	Fuel system: tanks, lines, filters, vents, drains, filling, selector valve, pumps, indication, tests, bonding;	
—	Propulsion instruments;	
—	Basics about measuring and instruments;	
—	Revolution measuring;	
—	Pressure measuring;	
—	Temperature measuring;	
—	Available fuel/power measuring.	
11L.7	Equipment	3
—	Fire extinguisher, fire blanket;	
—	Instruments (single or combined).	

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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## MODULE 12L — RADIO COM/ELT/TRANSPONDER/INSTRUMENTS

	Level
12L.1 Radio Com/ELT — Channel spacing; — Basic functional test; — Batteries; — Testing and maintenance requirements.	2
12L.2 Transponder — Basic operation; — Typical portable configuration including antenna; — Explanation of Modes A, C, S; — Testing and maintenance requirements.	2
12L.3 Instruments — Handheld altimeter/variometers; — Batteries; — Basic functional test.	2

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## Appendix VIII

### Basic examination standard for category L aircraft maintenance licence

- (a) The standardisation basis for examinations related to the Appendix VII basic knowledge requirements shall be as follows:
- (i) all examinations must be carried out using the multiple-choice question format as specified in point (ii). The incorrect alternatives must seem equally plausible to anyone ignorant of the subject. All of the alternatives should be clearly related to the question and of similar vocabulary, grammatical construction and length. In numerical questions, the incorrect answers should correspond to procedural errors such as corrections applied in the wrong sense or incorrect unit conversions: they must not be mere random numbers;
  - (ii) each multiple-choice question must have three alternative answers of which only one must be the correct answer and the candidate must be allowed a time per module which is based upon a nominal average of 75 seconds per question;
  - (iii) the pass mark for each module is 75 %;
  - (iv) penalty marking (negative points for failed questions) is not to be used;
  - (v) the level of knowledge required in the questions must be proportionate to the level of technology of the aircraft category.
- (b) The number of questions per module shall be as follows:
- (i) module 1L 'Basic knowledge': 12 questions. Time allowed: 15 minutes;
  - (ii) module 2L 'Human factors': 8 questions. Time allowed: 10 minutes;
  - (iii) module 3L 'Aviation legislation': 24 questions. Time allowed: 30 minutes;
  - (iv) module 4L 'Airframe wooden/metal tube and fabric': 32 questions. Time allowed: 40 minutes;
  - (v) module 5L 'Airframe composite': 32 questions. Time allowed: 40 minutes;
  - (vi) module 6L 'Airframe metal': 32 questions. Time allowed: 40 minutes;
  - (vii) module 7L 'Airframe general': 64 questions. Time allowed: 80 minutes;
  - (viii) module 8L 'Power plant': 48 questions. Time allowed: 60 minutes;
  - (ix) module 9L 'Balloon/Airship hot air': 36 questions. Time allowed: 45 minutes;
  - (x) module 10L 'Balloon/Airship gas (free/tethered)': 40 questions. Time allowed: 50 minutes;
  - (xi) module 11L 'Airships hot air/gas': 36 questions. Time allowed: 45 minutes;
  - (xii) Module 12L 'Radio Com/ELT/transponder/instruments': 16 questions. Time allowed 20 minutes.]



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## ANNEX IV

### (Part-147)

#### 147.1

F372  
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#### Textual Amendments

**F372** Annex 4 point 147.1 omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **280(3)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## SECTION A

### TECHNICAL REQUIREMENTS

#### SUBPART ~~G~~GENERAL

A

#### 147.A.05 Scope

This section establishes the requirements to be met by organisations seeking approval to conduct training and examination as specified in Annex III (Part-66).

#### 147.A.10 General

A training organisation shall be an organisation or part of an organisation registered as a legal entity.

#### 147.A.15 Application

- (a) An application for an approval or for the change of an existing approval shall be made on a form and in a manner established by the [<sup>F373</sup>CAA].
- (b) An application for an approval or change to an approval shall include the following information:
  1. the registered name and address of the applicant;
  2. the address of the organisation requiring the approval or change to the approval;
  3. the intended scope of approval or change to the scope of approval;
  4. the name and signature of the accountable manager;
  5. the date of application.

#### Textual Amendments

**F373** Word in [Annex 4 point 147.A.15\(a\)](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **281(2)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## SUBPART ORGANISATIONAL REQUIREMENTS

### B

#### 147.A.100 Facility requirements

- (a) The size and structure of facilities shall ensure protection from the prevailing weather elements and proper operation of all planned training and examination on any particular day.
- (b) Fully enclosed appropriate accommodation separate from other facilities shall be provided for the instruction of theory and the conduct of knowledge examinations.
  - 1. The maximum number of students undergoing knowledge training during any training course shall not exceed 28.
  - 2. The size of accommodation for examination purposes shall be such that no student can read the paperwork or computer screen of any other student from his/her position during examinations.
- (c) The point (b) accommodation environment shall be maintained such that students are able to concentrate on their studies or examination as appropriate, without undue distraction or discomfort.
- (d) In the case of a basic training course, basic training workshops and/or maintenance facilities separate from training classrooms shall be provided for practical instruction appropriate to the planned training course. If, however, the organisation is unable to provide such facilities, arrangements may be made with another organisation to provide such workshops and/or maintenance facilities, in which case a written agreement shall be made with such organisation specifying the conditions of access and use thereof. The [F374CAA] shall require access to any such contracted organisation and the written agreement shall specify this access.
- (e) In the case of an aircraft type/task training course access, shall be provided to appropriate facilities containing examples of aircraft type as specified in point 147.A.115(d).
- (f) The maximum number of students undergoing practical training during any training course shall not exceed 15 per supervisor or assessor.
- (g) Office accommodation shall be provided for instructors, knowledge examiners and practical assessors of a standard to ensure that they can prepare for their duties without undue distraction or discomfort.
- (h) Secure storage facilities shall be provided for examination papers and training records. The storage environment shall be such that documents remain in good condition for the retention period as specified in point 147.A.125. The storage facilities and office accommodation may be combined, subject to adequate security.
- (i) A library shall be provided containing all technical material appropriate to the scope and level of training undertaken.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F374** Word in Annex 4 point 147.A.100 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **281(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### 147.A.10 Personnel requirements

- (a) The organisation shall appoint an accountable manager who has corporate authority for ensuring that all training commitments can be financed and carried out to the standard required by this Part.
- (b) A person or group of persons, whose responsibilities include ensuring that the maintenance training organisation is in compliance the requirements of this Part, shall be nominated. Such person(s) must be responsible to the accountable manager. The senior person or one person from the group of persons may also be the accountable manager subject to meeting the requirements for the accountable manager as defined in point (a).
- (c) The maintenance training organisation shall contract sufficient staff to plan/perform knowledge and practical training, conduct knowledge examinations and practical assessments in accordance with the approval.
- (d) By derogation to point (c), when another organisation is used to provide practical training and assessments, such other organisation's staff may be nominated to carry out practical training and assessments.
- (e) Any person may carry out any combination of the roles of instructor, examiner and assessor, subject to compliance with point (f).
- (f) The experience and qualifications of instructors, knowledge examiners and practical assessors shall be established in accordance with criteria published or in accordance with a procedure and to a standard agreed by the [<sup>F375</sup>CAA].
- (g) The knowledge examiners and practical assessors shall be specified in the organisation exposition for the acceptance of such staff.
- (h) Instructors and knowledge examiners shall undergo updating training at least every 24 months relevant to current technology, practical skills, human factors and the latest training techniques appropriate to the knowledge being trained or examined.

### Textual Amendments

**F375** Word in Annex 4 point 147.A.105 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **281(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### 147.A.11 Records of instructors, examiners and assessors

- (a) The organisation shall maintain a record of all instructors, knowledge examiners and practical assessors. These records shall reflect the experience and qualification, training history and any subsequent training undertaken.
- (b) Terms of reference shall be drawn up for all instructors, knowledge examiners and practical assessors.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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#### 147.A.11 **Instructional equipment**

- (a) Each classroom shall have appropriate presentation equipment of a standard that ensures students can easily read presentation text/drawings/diagrams and figures from any position in the classroom.

Presentation equipment shall include representative synthetic training devices to assist students in their understanding of the particular subject matter where such devices are considered beneficial for such purposes.

- (b) The basic training workshops and/or maintenance facilities as specified in point 147.A.100(d) must have all tools and equipment necessary to perform the approved scope of training.
- (c) The basic training workshops and/or maintenance facilities as specified in point 147.A.100(d) must have an appropriate selection of aircraft, engines, aircraft parts and avionic equipment.
- (d) The aircraft type training organisation as specified in point 147.A.100(e) must have access to the appropriate aircraft type. Synthetic training devices may be used when such synthetic training devices ensure adequate training standards.

#### 147.A.12 **Maintenance training material**

- (a) Maintenance training course material shall be provided to the student and cover as applicable:
1. the basic knowledge syllabus specified in Annex III (Part-66) for the relevant aircraft maintenance licence category or subcategory and,
  2. the type course content required by Annex III (Part-66) for the relevant aircraft type and aircraft maintenance licence category or subcategory.
- (b) Students shall have access to examples of maintenance documentation and technical information of the library as specified in point 147.A.100(i).

#### 147.A.12 **Records**

The organisation shall keep all student training, examination and assessment records for *an unlimited period*

#### 147.A.13 **Training procedures and quality system**

- (a) The organisation shall establish procedures acceptable to the [<sup>F376</sup>CAA] to ensure proper training standards and compliance with all relevant requirements in this Part.
- (b) The organisation shall establish a quality system including:
1. an independent audit function to monitor training standards, the integrity of knowledge examinations and practical assessments, compliance with and adequacy of the procedures, and
  2. a feedback system of audit findings to the person(s) and ultimately to the accountable manager referred to in point 147.A.105(a) to ensure, as necessary, corrective action.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F376** Word in Annex 4 points 147.A.130-147.A.140 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **281(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12**); 2020 c. 1, **Sch. 5 para. 1(1)**

### 147.A.13 **Examinations**

- (a) The examination staff shall ensure the security of all questions.
- (b) Any student found during a knowledge examination to be cheating or in possession of material pertaining to the examination subject other than the examination papers and associated authorised documentation shall be disqualified from taking the examination and may not take any examination for at least 12 months after the date of the incident. The [F376CAA] shall be informed of any such incident together with the details of any enquiry within one calendar month.
- (c) Any examiner found during a knowledge examination to be providing question answers to any student being examined shall be disqualified from acting as an examiner and the examination declared void. The [F376CAA] must be informed of any such occurrence within one calendar month.

### 147.A.14 **Maintenance training organisation exposition**

- (a) The organisation shall provide an exposition for use by the organisation describing the organisation and its procedures and containing the following information:
  1. a statement signed by the accountable manager confirming that the maintenance training organisation exposition and any associated manuals define the maintenance training organisation's compliance with this Part and shall be complied with at all times.
  2. the title(s) and name(s) of the person(s) nominated in accordance with point 147.A.105(b).
  3. the duties and responsibilities of the person(s) specified in point 2, including matters on which they may deal directly with the [F376CAA] on behalf of the maintenance training organisation.
  4. a maintenance training organisation chart showing associated chains of responsibility of the person(s) specified in point (a)(2).
  5. a list of the training instructors, knowledge examiners and practical assessors.
  6. a general description of the training and examination facilities located at each address specified in the maintenance training organisation's approval certificate, and if appropriate any other location, as required by point 147.A.145(b).
  7. a list of the maintenance training courses which form the extent of the approval.
  8. the maintenance training organisation's exposition amendment procedure.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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9. the maintenance training organisation's procedures, as required by point 147.A.130(a).
  10. the maintenance training organisation's control procedure, as required by 147.A.145(c), when authorised to conduct training, examination and assessments in locations different from those specified in point 147.A.145(b).
  11. a list of the locations pursuant to point 147.A.145(b).
  12. a list of organisations, if appropriate, as specified in point 147.A.145(d).
- (b) The maintenance training organisation's exposition and any subsequent amendments shall be approved by the [<sup>F376</sup>CAA].
- (c) Notwithstanding point (b) minor amendments to the exposition may be approved through an exposition procedure (hereinafter called indirect approval).

#### 147.A.14 **Privileges of the maintenance training organisation**

- (a) [<sup>F24</sup>The maintenance training organisation may carry out the following as permitted by and in accordance with the maintenance training organisation exposition:
- (i) basic training courses to the Annex III (Part-66) syllabus, or part thereof;
  - (ii) aircraft type/task training courses in accordance with Annex III (Part-66);
  - (iii) the examination of students who attended the basic or aircraft type training course at the maintenance training organisation;
  - (iv) the examination of students who did not attend the aircraft type training course at the maintenance training organisation;
  - (v) the examination of students who did not attend the basic training course at the maintenance training organisation, provided that:
    - (1) the examination is conducted at one of the locations identified in the approval certificate, or
    - (2) if performed at locations not identified in the approval certificate, as permitted by points (b) and (c), [<sup>F377</sup>the CAA] selects the questions for the examination;
  - (vi) the issue of certificates in accordance with Appendix III following successful completion of the approved basic or aircraft type training courses and examinations specified in points (a)(i), (a)(ii), (a)(iii), (a)(iv) and (a)(v), as applicable.]
- (b) Training, knowledge examinations and practical assessments may only be carried out at the locations identified in the approval certificate and/or at any location specified in the maintenance training organisation exposition.
- (c) By derogation to point (b), the maintenance training organisation may only conduct training, knowledge examinations and practical assessments in locations different from the point (b) locations in accordance with a control procedure specified in the maintenance training organisation exposition. Such locations need not be listed in the maintenance training organisation exposition.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (d)
  - 1. The maintenance training organisation may subcontract the conduct of basic theoretical training, type training and related examinations to a non maintenance training organisation only when under the control of the maintenance training organisation quality system.
  - 2. The subcontracting of basic theoretical training and examination is limited to Annex III (Part-66), Appendix I, Modules 1, 2, 3, 4, 5, 6, 8, 9 and 10.
  - 3. The subcontracting of type training and examination is limited to powerplant and avionic systems.
- (e) An organisation may not be approved to conduct examinations unless approved to conduct the corresponding training.
- (f) By derogation from point (e), an organisation approved to provide basic knowledge training or type training may also be approved to provide type examination in the cases where type training is not required.

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**Textual Amendments**

**F377** Words in Annex 4 point 147.A.145(a)(v)(2) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **281(3)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**147.A.150 Changes to the maintenance training organisation**

- (a) The maintenance training organisation shall notify the [<sup>F378</sup>CAA] of any proposed changes to the organisation that affect the approval before any such change takes place, in order to enable the [<sup>F378</sup>CAA] to determine continued compliance with this Part and to amend if necessary the maintenance training organisation approval certificate.
- (b) The [<sup>F378</sup>CAA] may prescribe the conditions under which the maintenance training organisation may operate during such changes unless the [<sup>F378</sup>CAA] determines that the maintenance training organisation approval must be suspended.
- (c) Failure to inform the [<sup>F378</sup>CAA] of such changes may result in suspension or revocation of the maintenance training organisation approval certificate backdated to the actual date of the changes.

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**Textual Amendments**

**F378** Word in Annex 4 points 147.A.150, 147.A.155 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **281(3)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**147.A.151 Continued validity**

- (a) An approval shall be issued for an unlimited duration. It shall remain valid subject to:
  - 1. the organisation remaining in compliance with this Part, in accordance with the provisions related to the handling of findings as specified in point 147.B.130; and

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

2. the [F378CAA] being granted access to the organisation to determine continued compliance with this Annex (Part-147); and
  3. the certificate not being surrendered or revoked.
- (b) Upon surrender or revocation, the approval shall be returned to the [F378CAA].

#### 147.A.160 Findings

- (a) A level 1 finding is one or more of the following:
1. any significant non-compliance with the examination process which would invalidate the examination(s),
  2. failure to give the [F379CAA] access to the organisation's facilities during normal operating hours after two written requests,
  3. the lack of an accountable manager,
  4. a significant non-compliance with the training process.
- (b) A level 2 finding is any non-compliance with the training process other than level 1 findings.
- (c) After receipt of notification of findings according to point 147.B.130, the holder of the maintenance training organisation approval shall define a corrective action plan and demonstrate corrective action to the satisfaction of the [F380CAA] within a period agreed with [F381the CAA].

#### Textual Amendments

**F379** Word in Annex 4 point 147.A.160(a)(2) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **281(3)(d)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F380** Word in Annex 4 point 147.A.160(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **281(3)(d)(ii)(aa)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F381** Words in Annex 4 point 147.A.160(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **281(3)(d)(ii)(bb)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### SUBPARA ~~APPROVED BASIC TRAINING COURSE~~

C

#### 147.A.200 The approved basic training course

- (a) The approved basic training course shall consist of knowledge training, knowledge examination, practical training and a practical assessment.
- (b) The knowledge training element shall cover the subject matter for a category or subcategory aircraft maintenance licence as specified in Annex III (Part-66).
- (c) The knowledge examination element shall cover a representative cross section of subject matter from the point (b) training element.



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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (d) The practical training element shall cover the practical use of common tooling/equipment, the disassembly/assembly of a representative selection of aircraft parts and the participation in representative maintenance activities being carried out relevant to the particular Part-66 complete module.
- (e) The practical assessment element shall cover the practical training and determine whether the student is competent at using tools and equipment and working in accordance with maintenance manuals.
- (f) The duration of basic training courses shall be in accordance with Appendix I.
- (g) The duration of conversion courses between (sub)categories shall be determined through an assessment of the basic training syllabus and the related practical training needs.

#### 147.A.20 **Basic knowledge examinations**

Basic knowledge examinations shall:

- (a) be in accordance with the standard defined in Annex III (Part-66).
- (b) be conducted without the use of training notes.
- (c) cover a representative cross section of subjects from the particular module of training completed in accordance with Annex III (Part-66).

#### 147.A.21 **Basic practical assessment**

- (a) Basic practical assessments shall be carried out during the basic maintenance training course by the nominated practical assessors at the completion of each visit period to the practical workshops/maintenance facility.
- (b) The student shall achieve an assessed pass with respect to point 147.A.20(e).

### SUBPART **AIRCRAFT TYPE/TASK TRAINING**

D

#### 147.A.300 **Aircraft type/task training**

A maintenance training organisation shall be approved to carry out Annex III (Part-66) aircraft type and/or task training subject to compliance with the standard specified in point 66.A.45.

#### 147.A.305 **Aircraft type examinations and task assessments**

A maintenance training organisation approved in accordance with point 147.A.300 to conduct aircraft type training shall conduct the aircraft type examinations or aircraft task assessments specified in Annex III (Part-66) subject to compliance with the aircraft type and/or task standard specified in point 66.A.45 of Annex III (Part-66).

## SECTION B

### PROCEDURES FOR [F382] THE CAA]

#### SUBPART **GENERAL**

A

#### 147.B.05 **Scope**

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

This section establishes the administrative requirements to be followed by the [F383CAA].

#### Textual Amendments

**F383** Word in Annex 4 point 147.B.05 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **282(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

147.B.10 [F384CAA]

(a) General

[F385The CAA] shall establish documented procedures and an organisational structure [F386for the application and enforcement of Section B of this Part].

#### Textual Amendments

**F385** Words in Annex 4 point 147.B.10(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **282(3)(b)(ii)(aa)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F386** Words in Annex 4 point 147.B.10(a) inserted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **282(3)(b)(ii)(bb)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

(b) Resources

The [F387CAA] shall be appropriately staffed to carry out the requirements of this Part.

#### Textual Amendments

**F387** Word in Annex 4 point 147.B.10(b) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **282(3)(b)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

(c) Procedures

The [F388CAA] shall establish procedures detailing how compliance with this Annex (Part-147) is accomplished.

#### Textual Amendments

**F388** Word in Annex 4 point 147.B.10(c) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **282(3)(b)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

The procedures shall be reviewed and amended to ensure continued compliance.

(d) Qualification and training

All staff involved in approvals related to this Annex must:

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

1. Be appropriately qualified and have all necessary knowledge, experience and training to perform their allocated tasks.
2. Have received training and continuation training on Annex III (Part-66) and Annex IV (Part-147) where relevant, including its intended meaning and standard.

#### Textual Amendments

**F384** Word in Annex 4 point 147.B.10 heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **282(3)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 147.B.20 Record-keeping

- (a) The [F389CAA] shall establish a system of record-keeping that allows adequate traceability of the process to issue, renew, continue, vary, suspend or revoke each approval.
- (b) The records for the oversight of maintenance training organisations shall include as a minimum:
  1. the application for an organisation approval.
  2. the organisation approval certificate including any changes.
  3. a copy of the audit program listing the dates when audits are due and when audits were carried out.
  4. continued oversight records including all audit records.
  5. copies of all relevant correspondence.
  6. details of any exemption and enforcement actions.
  7. any report from other competent authorities relating to the oversight of the organisation.
  8. organisation exposition and amendments.
- (c) The minimum retention period for the point (b) records shall be four years.

#### Textual Amendments

**F389** Word in Annex 4 point 147.B.20 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **282(3)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 147.B.25 Exemptions

- (a) The [F390CAA] may exempt a State education department school from:
  1. being an organisation as specified in point 147.A.10.
  2. having an accountable manager, subject to the limitation that the department appoint a senior person to manage the training organisation and such person

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- has a budget sufficient to operate the organisation to the standard of this Annex (Part-147).
3. having recourse to the independent audit part of a quality system subject to the department operating an independent schools inspectorate to audit the maintenance training organisation at the frequency required by this Part.
- (b) <sup>F12</sup><sup>X1</sup>All exemptions granted in accordance with Article 71(1) of Regulation (EU) 2018/1139 shall be recorded and retained by the <sup>F390</sup>CAA.]

#### Textual Amendments

**F390** Word in Annex 4 point 147.B.25 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **282(3)(c)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### SUBPART *ISSUE OF AN APPROVAL*

#### B

This Subpart provides the requirements to issue or vary the maintenance training organisation approval.

#### 147.B.11 **Procedure for approval and changes to the approval**

- (a) Upon receipt of an application, the <sup>F391</sup>CAA] shall:
1. review the maintenance training organisation exposition; and
  2. verify the organisation's compliance with the requirement of Annex IV (Part-147).
- (b) All findings identified shall be recorded and confirmed in writing to the applicant.
- (c) All findings shall be closed in accordance with point 147.B.130 before the approval is issued.
- (d) The reference number shall be included on the approval certificate in a manner specified by the <sup>F392</sup>CAA].

#### Textual Amendments

**F391** Word in Annex 4 point 147.B.110(a) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **282(4)(a)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F392** Word in Annex 4 point 147.B.110(d) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **282(4)(a)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### 147.B.12 **Continued validity procedure**

- (a) Each organisation shall be completely audited for compliance with this Annex (Part-147) at periods not exceeding 24 months. This shall include the monitoring of at least one training course and one examination performed by the maintenance training organisation.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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(b) Findings shall be processed in accordance with point 147.B.130.

#### 147.B.125 **Maintenance training organisation approval certificate**

The maintenance training organisation approval certificate format shall be as detailed in Appendix II.

#### 147.B.130 **Findings**

- (a) Failure to complete the rectification of any level 1 finding within three days of written notification shall entail revocation, suspension or limitation by the [F393CAA], of the maintenance training organisation approval in whole or in part.
- (b) Action shall be taken by the [F393CAA] to revoke, limit or suspend in whole or part the approval in case of failure to comply within the time scale granted by the [F393CAA] in the case of a level 2 finding.

##### Textual Amendments

**F393** Word in Annex 4 point 147.B.130 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 282(4)(b) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### SUBPARA **REVOCAION, SUSPENSION AND LIMITATION OF THE MAINTENANCE TRAINING ORGANISATION APPROVAL**

#### 147.B.200 **Revocation, suspension and limitation of the maintenance training organisation approval**

The [F394CAA] shall:

##### Textual Amendments

**F394** Word in Annex 4 point 147.B.200 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 282(5) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

- (a) suspend an approval on reasonable grounds in the case of potential safety threat; or
- (b) suspend, revoke or limit an approval pursuant to 147.B.130.

##### Textual Amendments

**F382** Words in Annex 4 s. B heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, 282(2) (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## [<sup>F24</sup> Appendix I

### Basic training course duration

The minimum duration of a complete basic training course shall be as follows:

Basic Course	Duration (in hours)	Theoretical Training Ratio (in %)
A1	800	30–35
A2	650	30–35
A3	800	30–35
A4	800	30–35
B1.1	2 400	50–60
B1.2	2 000	50–60
B1.3	2 400	50–60
B1.4	2 400	50–60
B2	2 400	50–60
B2L	1 500 <sup>a</sup>	50–60
B3	1 000	50–60

a This number of hours shall be increased as follows, depending on the additional system ratings selected:

System Rating	Duration (in hours)	Theoretical Training Ratio (in %)
COM/NAV	90	50–60
INSTRUMENTS	55	
AUTOFLIGHT	80	
SURVEILLANCE	40	
AIRFRAME SYSTEMS	100	

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

[F12][X1] Appendix II

F395F396F397F398F399F400F401F402F403F404

**Maintenance Training Organisation Approval — [F405] CAA**

**Form 11]]]]**

[MEMBER STATE (\*)]

A Member of the European Union (\*\*)

**MAINTENANCE TRAINING AND EXAMINATION ORGANISATION APPROVAL CERTIFICATE**

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

Pursuant to Regulation (EU) 2018/1139 of the European Parliament and of the Council and to Commission Regulation (EU) No 1321/2014, for the time being in force and subject to the condition specified below, the [COMPETENT AUTHORITY OF THE MEMBER STATE (\*)] hereby certifies:

[COMPANY NAME AND ADDRESS]

as a maintenance training organisation in compliance with Section A of Annex IV (Part-147) of Regulation (EU) No 1321/2014, approved to provide training and conduct examinations listed in the approval schedule attached and to issue related certificates of recognition to students using the above references.

CONDITIONS:

1. This approval is limited to what is specified in the scope of work section of the approved maintenance training organisation exposition as referred to in Section A of Annex IV (Part-147); and
2. this approval requires compliance with the procedures specified in the approved maintenance training organisation exposition; and
3. this approval is valid whilst the approved maintenance training organisation remains in compliance with Annex IV (Part-147) of Regulation (EU) No 1321/2014; and
4. subject to compliance with the foregoing conditions, this approval shall remain valid for an unlimited duration unless the approval has previously been surrendered, superseded, suspended or revoked.

Date of original issue: .....

Date of this revision: .....

Revision No: .....

Signed: .....

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

EASA Form 11 Issue 6

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

(\*\*) Delete for non-EU Member States or EASA.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

**MAINTENANCE TRAINING AND EXAMINATION ORGANISATION APPROVAL SCHEDULE**

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

Organisation: [COMPANY NAME AND ADDRESS]

CLASS	LICENCE CATEGORY	LIMITATION	
<b>BASIC (**)</b>	B1 (**)	TB1.1 (**)	AEROPLANES TURBINE (**)
		TB1.2 (**)	AEROPLANES PISTON (**)
		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 SUB-CATEGORY (**)	
<b>TYPE/TASK (**)</b>	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 <sup>(3)</sup> Issue 6 ◀

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

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

(\*\*\*\*) Complete with the appropriate rating and limitation.

(\*\*\*\*\*) The approval for the Basic B2 course/examination includes approval for B2L course/examination for all system ratings.



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### [<sup>F31</sup>Appendix III

#### [<sup>F12</sup>[<sup>X1</sup>1. <sup>F406F407F408</sup> Basic Training and Examination

The basic training certificate template shall be used for recognition of completion of either the basic training or the basic examination, or both the basic training and basic training examinations.

The training certificate shall clearly identify each individual module examination by date passed together with the corresponding version of Appendix I to Annex III (Part-66).

Page 1 of 1
<b>CERTIFICATE OF RECOGNITION</b>
Reference: [MEMBER STATE CODE (*)].147.[XXXX].[YYYYY]
The certificate of recognition is issued to:
[NAME]
[DATE and PLACE OF BIRTH]
By:
[COMPANY NAME AND ADDRESS]
Reference: [MEMBER STATE CODE (*)].147.[XXXX]
a maintenance training organisation approved to provide training and conduct examinations within its approval schedule and in accordance with Annex IV (Part-147) of Regulation (EU) No 1321/2014.
This certificate confirms that the above named person either successfully passed the approved basic training course (**) or the basic examination (**) stated below in compliance with Regulation (EU) 2018/1139 of the European Parliament and of the Council and to Commission Regulation (EU) No 1321/2014 for the time being in force.
[BASIC TRAINING COURSE (**)] or/and [BASIC EXAMINATION (**)]
[LIST OF PART-66 MODULES/DATE OF EXAMINATION PASSED]
Date: .....
Signed: .....
For: [COMPANY NAME]

EASA Form 148 Issue 3

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

(\*\*) Delete as appropriate

#### Textual Amendments

**F406** Annex 4 Appendix 3: in the first form, the words "United Kingdom" substituted for "[Member State code (\*)]" in both places the words occur (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\), regs. 1, 283\(3\)\(b\)\(i\)](#) (with Sch. 3) (as amended by [S.I. 2019/1098, regs. 1\(3\), 12](#)); 2020 c. 1, [Sch. 5 para. 1\(1\)](#))

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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**F407** Annex 4 Appendix 3: in the first form, the words "CAA Form 148 Issue 1" substituted for "EASA Form 148 Issue 3" (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **283(3)(b)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12** and S.I. 2020/1116, regs. 1(3), **27(b)(ii)**); 2020 c. 1, **Sch. 5 para. 1(1)**

**F408** Annex 4 Appendix 3: in the first form, the note at "(\*)" is omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **283(3)(b)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## 2. **F409F410F411 Type Training and Examination**

The type training certificate template shall be used for recognition of completion of either the theoretical elements or the practical elements, or both the theoretical and practical elements of the type rating training course.

The certificate shall indicate the airframe/engine combination for which the training was imparted.

The appropriate references shall be deleted as applicable and the course type box shall detail whether only the theoretical elements or the practical elements were covered or whether theoretical and practical elements were covered.

The training certificate shall clearly identify if the course is a complete course or a partial course (such as an airframe or powerplant or avionics/electrical course) or a difference course based upon the applicant previous experience, for instance A340 (CFM) course for A320 technicians. If the course is not a complete one, the certificate shall identify whether the interface areas have been covered or not.]]]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### CERTIFICATE OF RECOGNITION

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

The certificate of recognition is issued to:

[NAME]

[DATE and PLACE OF BIRTH]

By:

[COMPANY NAME AND ADDRESS]

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

a maintenance training organisation approved to provide training and conduct examinations within its approval schedule and in accordance with Annex IV (Part-147) of Regulation (EU) No 1321/2014.

This certificate confirms that the above named person either successfully passed the theoretical (\*\*) and/or the practical elements (\*\*) of the approved type training course stated below and the related examinations in compliance with Regulation (EU) 2018/1139 of the European Parliament and of the Council and to Commission Regulation (EU) No 1321/2014 for the time being in force.

[AIRCRAFT TYPE TRAINING COURSE (\*\*)]

[START and END DATES]

[SPECIFY THEORETICAL ELEMENTS AND/OR PRACTICAL ELEMENTS]

or

[AIRCRAFT TYPE EXAMINATION (\*\*)]

[END DATE]

Date: .....

Signed: .....

For: [COMPANY NAME]

EASA Form 149 Issue 4

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

(\*\*) Delete as appropriate.

#### Textual Amendments

**F409** Annex 4 Appendix 3: in the second form, the words "United Kingdom" substituted for "[Member State code (\*)]" in both places the words occur (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **283(3)(c)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12**); 2020 c. 1, **Sch. 5 para. 1(1)**

**F410** Annex 4 Appendix 3: in the second form, the words "CAA Form 149 Issue 1" substituted for "EASA Form 149 Issue 4" (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **283(3)(c)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), **12** and S.I. 2020/1116, regs. 1(3), **27(b)(iii)**); 2020 c. 1, **Sch. 5 para. 1(1)**

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

**F411** Annex 4 Appendix 3: in the second form, the note at "(\*)" is omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **283(3)(c)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## ANNEX V

### Repealed Regulation with list of its successive amendments

Commission Regulation (EC) No 2042/2003	(OJ L 315, 28.11.2003, p. 1)
Commission Regulation (EC) No 707/2006	(OJ L 122, 9.5.2006, p. 17)
Commission Regulation (EC) No 376/2007	(OJ L 94, 4.4.2007, p. 18)
Commission Regulation (EC) No 1056/2008	(OJ L 283, 28.10.2008, p. 5)
Commission Regulation (EU) No 127/2010	(OJ L 40, 13.2.2010, p. 4)
Commission Regulation (EU) No 962/2010	(OJ L 281, 27.10.2010, p. 78)
Commission Regulation (EU) No 1149/2011	(OJ L 298, 16.11.2011, p. 1)
Commission Regulation (EU) No 593/2012	(OJ L 176, 6.7.2012, p. 38)

## [<sup>F9</sup>ANNEX Va

### PART-T

#### T.1 Competent authority

**F412** ...

#### Textual Amendments

**F412** Words in Annex 5a point T.1 omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(2)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## SECTION A

### TECHNICAL REQUIREMENTS

#### SUBPART ~~GENERAL~~

A

#### [<sup>F12</sup>[<sup>X1</sup>T.A.]Scope

This section establishes requirements to ensure that continuing airworthiness of aircraft referred to in point (b) of Article 1 is maintained in compliance with the essential requirements of Annex V to Regulation (EU) No 2018/1139 of the European Parliament and of the Council.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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It also specifies the conditions to be met by the persons and organisations responsible for management of the continuing airworthiness and maintenance of such aircraft.]]

## SUBPART **CONTINUING AIRWORTHINESS**

### **B**

#### **T.A.201 Responsibilities**

##### **1.**

- (a) The operator is responsible for the airworthiness of the aircraft and it shall ensure that it is not operated unless the aircraft has a type certificate issued or validated by the [F<sup>413</sup>CAA];
- (b) the aircraft is in an airworthy condition;
- (c) the aircraft holds a valid certificate of airworthiness issued in accordance with ICAO Annex 8;
- (d) the maintenance of the aircraft is performed in accordance with a maintenance programme which shall comply with the requirements of the State of Registry and the applicable requirements of ICAO Annex 6.
- (e) any defect or damage affecting the safe operation of the aircraft is rectified to a standard acceptable to the State of Registry;
- (f) the aircraft complies with any applicable:
  - (i) airworthiness directive or continued airworthiness requirement issued or adopted by the State of Registry; and
  - (ii) mandatory safety information issued by the [F<sup>414</sup>CAA], including airworthiness directives;
- (g) a release to service is issued to the aircraft after maintenance by qualified organisations in compliance with the State of Registry requirements. The signed release to service shall contain, in particular, the basic details of the maintenance carried out.
- (h) the aircraft is inspected, through a pre-flight inspection, before each flight
- (i) all modifications and repairs comply with the airworthiness requirements established by the State of Registry
- (j) the following aircraft records are available until the information contained has been superseded by new information equivalent in scope and detail but not less than 24 months:
  - (1) the total time in service (hours, cycles and calendar time, as appropriate) of the aircraft and all life-limited components;
  - (2) current status of compliance with T.A.201 (1)(f) requirements;
  - (3) current status of compliance with the maintenance programme;
  - (4) current status of modifications and repairs together with appropriate details and substantiating data to demonstrate that they comply with the requirements established by the State of Registry.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F413** Word in Annex 5a point T.A.201(1)(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **284(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**F414** Word in Annex 5a point T.A.201(f)(ii) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **284(3)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

2. The tasks specified in T.A.201 (1) shall be controlled by the operator's continuing airworthiness management organisation. For this purpose the organisation shall comply with the additional requirements of T.A. Subpart G.
- [<sup>F24</sup>3. The continuing airworthiness management organisation referred to in point (2) shall ensure that the maintenance and release of the aircraft are performed by a maintenance organisation meeting the requirements of Subpart E of this Annex (Part-T). For this purpose, when the continuing airworthiness management organisation does not meet those requirements itself, it shall establish a contract with a maintenance organisation meeting those requirements.]

#### SUBPART **MAINTENANCE ORGANISATION**

E

#### [<sup>F34</sup>T.A. **Maintenance Organisation]**

501

The continuing airworthiness management organisation shall ensure that the aircraft and its components are maintained by organisations complying with the following requirements:

- (1) The organisation holds a maintenance organisation approval issued or acceptable to the State of Registry.
- (2) The scope of approval of the organisation includes the appropriate aircraft and/or component capability.
- (3) The organisation has established an occurrence reporting system which ensures that any identified condition of an aircraft or component which endangers the flight safety is reported to the operator, the [<sup>F415</sup>CAA], the organisation responsible for the type design or supplemental type design and the continuing airworthiness management organisation.
- (4) The organisation has established an organisation's manual providing a description of all the procedures of the organisation.

#### Textual Amendments

**F415** Word in Annex 5a point T.A.501(3) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019](#) (S.I. 2019/645), regs. 1, **284(3)(b)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### SUBPART [<sup>F12</sup> [<sup>FXI</sup> **ADDITIONAL REQUIREMENTS FOR CONTINUING AIRWORTHINESS MANAGEMENT ORGANISATIONS APPROVED PURSUANT TO ANNEX Vc (Part-CAMO)]]**

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## [<sup>F12</sup>[<sup>X1</sup>T.A.] **Scope**

This Subpart establishes the requirements to be met, in addition to the requirements of Annex Vc (Part-CAMO), by an organisation approved in accordance with that Annex, for it to be entitled to control the carrying out of the tasks specified in point T.A.201.]]

## [<sup>F12</sup>[<sup>X1</sup>T.A.] **Continuing airworthiness management exposition**

In addition to the requirements provided for in point CAMO.A.300, the exposition shall contain procedures specifying how the organisation ensures compliance with this Annex.]]

## [<sup>F12</sup>[<sup>X1</sup>T.A.] **Personnel requirements**

In addition to the requirements provided for in point CAMO.A.305, the personnel referred to in points (a)(3) to (a)(5) and (b)(2) of point CAMO.A.305 shall have adequate knowledge of the applicable laws of the third countries where the aircraft is registered.]]

## T.A.708 **Continuing airworthiness management**

[<sup>F12</sup>[<sup>X1</sup>Notwithstanding point CAMO.A.315, for aircraft for which the continuing airworthiness is managed in accordance with the requirements of this Annex the organisation shall:]]

- (a) ensure that the aircraft is taken to a maintenance organisation whenever necessary;
- (b) ensure that all maintenance is carried out in accordance with the maintenance programme;
- (c) ensure the application of the T.A.201 (1)(f) mandatory information;
- (d) ensure that all defects discovered during scheduled maintenance or reported are corrected by the maintenance organisation in accordance with the maintenance data acceptable to the State of Registry;
- (e) coordinate scheduled maintenance, the application of the T.A.201 (1)(f) mandatory information, the replacement of life-limited parts, and component inspection to ensure the work is carried out properly;
- (f) manage and archive the continuing airworthiness records required by T.A.201 (1)(j);
- (g) ensure that modifications and repairs are approved in accordance with the requirements of the State of Registry.

## [<sup>F12</sup>[<sup>X1</sup>T.A.] **Documentation**

Notwithstanding point CAMO.A.325, for every aircraft for which the continuing airworthiness is managed in accordance with the requirements of this Annex, the organisation shall hold and use applicable maintenance data acceptable to the State of registry of the aircraft.]]

## [<sup>F12</sup>[<sup>X1</sup>T.A.] **Privileges**

An organisation approved in accordance with Annex Vc (Part-CAMO) may perform the tasks specified in point T.A.708 for the aircraft included in its air operator certificate, provided that the organisation has established procedures, approved by the [<sup>F416</sup>CAA], in order to ensure compliance with the requirements of this Annex.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F416** Word in Annex 5a point T.A.711 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **284(3)(c)(i)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### T.A.712 Management system

In addition to the requirements of point CAMO.A.200, the organisation shall ensure its compliance with the requirements of this Annex.]]

#### [<sup>F12</sup>[<sup>X1</sup>T.A.712] Record-keeping

In addition to the requirements of point (a) of point CAMO.A.220, the organisation shall keep the records referred to in point (1)(j) of point T.A.201.

#### T.A.715 Continued validity

For the approval of an organisation managing the continuing-airworthiness to remain valid, the following requirements shall be met in addition to the requirements of point CAMO.A.135:

- (a) the organisation complies with the applicable requirements of this Annex; and
- (b) the organisation ensures that any person authorised by the [<sup>F417</sup>CAA] is granted access to any of its facilities, aircraft or documents related to its activities, including any subcontracted activities, to determine compliance with this Annex.

#### Textual Amendments

**F417** Word in Annex 5a point T.A.715(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **284(3)(c)(ii)** (with Sch. 3) (as amended by [S.I. 2019/1098](#), regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### T.A.716 Findings

- (a) After having received a notification of findings in accordance with point T.B.705, the organisation shall do the following:
  - (1) identify the root cause or causes of, and contributing factors to the finding of non-compliance;
  - (2) prepare, adopt and implement a corrective action plan;
  - (3) demonstrate to the satisfaction of the [<sup>F418</sup>CAA] that the necessary corrective action to address the finding has been taken.
- (b) The actions referred to in points (1) to (3) of paragraph (a) shall be performed within the time period set by the [<sup>F418</sup>CAA] in accordance with point T.B.705.]]

#### Textual Amendments

**F418** Word in Annex 5a point T.A.716 substituted (31.12.2020) by [S.I. 2019/645](#), **reg. 284(3)(c)(iii)** (as substituted by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(3), **28(a)(ii)**)



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## SECTION B

### [<sup>F12</sup>[<sup>X1</sup>ADDITIONAL PROCEDURE <sup>F419</sup> ...]]

#### SUBPART **GENERAL**

##### A

#### T.B.101 Scope

This Section establishes the administrative requirements to be followed by the [<sup>F420</sup>CAA for the purposes of] the application and enforcement of Section A of this Part-T.

##### Textual Amendments

**F420** Words in Annex 5a point T.B.101 substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **284(4)(b)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### T.B.102 [<sup>F421</sup>The CAA]

##### 1. General

[<sup>F422</sup>The CAA] shall establish documented procedures and an organisational structure.

##### Textual Amendments

**F422** Words in Annex 5a point T.B.102(1) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **284(4)(b)(ii)(bb)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

##### 2. Resources

The number of staff shall be appropriate to carry out the requirements as detailed in this Section

##### 3. Qualification and training

All staff involved in Part-T activities shall be appropriately qualified and have the appropriate knowledge, experience, initial training and continuation training to perform their allocated tasks.

##### 4. Procedures

The [<sup>F423</sup>CAA] shall establish procedures detailing how compliance with this Part is accomplished.

##### Textual Amendments

**F423** Word in Annex 5a point T.B.102(4) substituted (31.12.2020) by [The Aviation Safety \(Amendment etc.\) \(EU Exit\) Regulations 2019 \(S.I. 2019/645\)](#), regs. 1, **284(4)(b)(ii)(cc)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F421** Words in Annex 5a point T.B.102 heading substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(4)(b)(ii)(aa)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### T.B.104 Record-keeping

1. The requirements of M.B.104(a), (b) and (c) of Annex I shall apply.
2. The minimum records for the oversight of each aircraft shall include, at least, a copy of:
  - a) the aircraft's certificate of airworthiness,
  - b) all relevant correspondence relating to the aircraft,
  - c) reports from any inspection and survey performed to the aircraft,
  - d) details of any exemption and enforcement action(s).
3. All records specified in T.B.104 shall be made available, upon request, to <sup>F424</sup>... the State of Registry.

#### Textual Amendments

**F424** Words in Annex 5a point T.B.104(3) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(4)(b)(iii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

4. The records specified in (2) shall be retained until 4 years after the end of the dry lease-in period.

#### T.B.105 Mutual exchange of information

<sup>F425</sup> ...

#### Textual Amendments

**F425** Annex 5a point T.B.105 omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **75(3)**

### SUBPART **ACCOUNTABILITY**

B

#### T.B.201 Responsibilities

1. The [<sup>F426</sup>CAA] is responsible for conducting inspections and investigations, including aircraft surveys, in order to verify that the requirements of this Part are complied with.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F426** Word in Annex 5a point T.B.201(1) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(4)(c)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

2. The [<sup>F427</sup>CAA] shall perform inspections and investigations before the approval of the dry lease in agreement in accordance with ARO.OPS.110 (a)(1), to verify that the requirements of T.A.201 are then complied with.

#### Textual Amendments

**F427** Word in Annex 5a point T.B.201(2) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(4)(c)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

3. The [<sup>F428</sup>CAA] shall ensure coordination with the State of Registry as necessary to exercise the oversight responsibilities of the aircraft contained in this Annex Va (Part-T).

#### Textual Amendments

**F428** Word in Annex 5a point T.B.201(3) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(4)(c)(i)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### T.B.202 Findings

1. A level 1 finding is any significant non-compliance with the Part-T requirements which lowers the safety standard and hazards seriously the flight safety.
2. A level 2 finding is any non-compliance with the Part-T requirements which could lower the safety standard and possibly hazard the flight safety.
3. When a finding is detected during inspections, investigations, aircraft surveys or by other means, the [<sup>F429</sup>CAA] shall:
  - a) take measures as necessary, such as the grounding of the aircraft, to prevent the continuation of the non-compliance,
  - b) require corrective actions appropriate to the nature of the finding to be taken.

#### Textual Amendments

**F429** Word in Annex 5a point T.B.202(3) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(4)(c)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

4. For level 1 findings, the [<sup>F430</sup>CAA] shall require appropriate corrective action to be taken before further flight and notify the State of Registry.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F430** Word in Annex 5a point T.B.202(4) substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(4)(c)(ii)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

### SUBPARA<sup>F12</sup><sup>F41</sup> **ADDITIONAL REQUIREMENTS FOR CONTINUING AIRWORTHINESS G MANAGEMENT ORGANISATIONS APPROVED PURSUANT TO ANNEX Vc (Part-CAMO)]**

#### <sup>F12</sup><sup>F41</sup>T.B.702 **Initial certification procedure**

In addition to the requirements of point CAMO.B.310, the <sup>F431</sup>CAA] shall verify and establish that those procedures comply with the requirements of this Annex and it shall verify that the organisation complies with the requirements of this Annex.]]

#### Textual Amendments

**F431** Word in Annex 5a point T.B.702 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(4)(d)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

#### <sup>F12</sup><sup>F41</sup>T.B.704 **Continuing oversight**

In addition to the requirements of point CAMO.B.305, during each oversight planning cycle, the <sup>F432</sup>CAA] shall survey a relevant sample of aircraft referred to in point (b) of Article 1 managed by the organisation.

#### Textual Amendments

**F432** Word in Annex 5a point T.B.704 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(4)(d)** (as amended by S.I. 2020/1116, regs. 1(3), **28(b)(ii)**); 2020 c. 1, Sch. 5 para. 1(1)

#### T.B.705 **Findings and corrective actions**

For organisations managing the continuing airworthiness of aircraft referred to in point (b) of Article 1, the <sup>F433</sup>CAA] shall apply the requirements contained in point CAMO.B.350 when verifying if the organisation complies with the requirements of this Annex.]]]

#### Textual Amendments

**F433** Word in Annex 5a point T.B.705 substituted (31.12.2020) by The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(4)(d)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

### Textual Amendments

**F419** Words in Annex 5a s. B heading omitted (31.12.2020) by virtue of The Aviation Safety (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019/645), regs. 1, **284(4)(a)** (with Sch. 3) (as amended by S.I. 2019/1098, regs. 1(3), 12); 2020 c. 1, Sch. 5 para. 1(1)

## [<sup>F120</sup>]<sup>X3</sup> ANNEX Vb

### (Part-ML)

#### ML.1

- (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) rotorcraft of 1 200 kg MTOM or less, certified for a maximum of up to 4 occupants;
  - (3) other ELA2 aircraft.
- (b) <sup>F434</sup> ...
- (c) For the purpose of this Annex, the following definitions shall apply:
- (1) ‘ independent certifying staff ’ means certifying staff who does not work on behalf of an approved maintenance organisation and who complies with, alternatively:
    - (i) the requirements of Annex III (Part-66);
    - (ii) for aircraft to which Annex III (Part-66) does not apply, the certifying staff requirements in force [<sup>F435</sup>under any relevant enactment];
  - (2) ‘ maintenance organisation ’ means an organisation holding an approval issued in accordance with, alternatively:
    - (i) Subpart F of Annex I (Part-M);
    - (ii) Section A of Annex II (Part-145);
    - (iii) Section A of Annex Vd (Part-CAO).
  - (3) ‘ owner ’ means the person responsible for the continuing airworthiness of the aircraft, including, alternatively:
    - (i) the registered owner of the aircraft;
    - (ii) the lessee in the case of a leasing contract;
    - (iii) the operator.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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### Textual Amendments

- F434** Annex 5b point ML.1(b) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(3)(a)**
- F435** Words in Annex 5b point ML.1(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(3)(b)**

## SECTION A

### TECHNICAL REQUIREMENTS

#### SUBPART ~~A~~ GENERAL

##### ML.A.10 Scope

This Section establishes the measures to be taken in order to ensure that the aircraft is airworthy. It also specifies the conditions to be met by the persons or organisations involved in the activities related to the airworthiness of the aircraft.

#### SUBPART ~~B~~ ACCOUNTABILITY

##### ML.A.20 Responsibilities

- (a) The owner of the aircraft shall be responsible for the continuing airworthiness of the aircraft and shall ensure that no flight takes place unless all of the following requirements are met:
- (1) the aircraft is maintained in an airworthy condition;
  - (2) any operational and emergency equipment fitted is correctly installed and serviceable or clearly identified as unserviceable;
  - (3) the airworthiness certificate is valid;
  - (4) the maintenance of the aircraft is performed in accordance with the Aircraft Maintenance Program ( ‘ AMP ’ ) specified in point ML.A.302.
- (b) By derogation from point (a), where the aircraft is leased, the responsibilities set out in point (a) shall apply to the lessee, if the lessee is identified either in the registration document of the aircraft or in the leasing contract.
- (c) Any person or organisation performing maintenance of aircraft and components shall be responsible for the maintenance tasks being performed.
- (d) The pilot-in-command of the aircraft shall be responsible for the satisfactory accomplishment of the preflight inspection. That inspection shall be carried out by the pilot or another qualified person but need not be carried out by an approved maintenance organisation or by certifying staff.
- (e) For aircraft operated by commercial Approved Training Organisations (‘ATO’) and commercial Declared Training Organisations (‘DTO’) referred to in Article 10a of Regulation (EU) No 1178/2011 or not operated in accordance with Annex VII to Regulation (EU) No 965/2012 (Part-NCO) or operated in accordance with Subpart-ADD of Annex II (Part-BOP) to Regulation (EU) 2018/395 or Subpart-DEC of Annex II (Part-SAO) to Regulation (EU) 2018/1976 <sup>(17)</sup>, the operator shall:

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (1) [F14]be approved as a CAMO or as a CAO for the management of the continuing airworthiness of its aircraft in accordance with Annex Vc (Part-CAMO), Subpart G of Annex I (Part-M) or Annex Vd (Part-CAO), or contract such an organisation using the contract set out in Appendix I to this Annex;]
  - (2) ensure that all maintenance is performed by maintenance organisations approved in accordance with point (c)(2) of point ML.1.;
  - (3) ensure that the requirements of point (a) are satisfied.
- (f) [F14]For aircraft not included in point (e), in order to satisfy the requirements of point (a), the owner of the aircraft may contract the tasks associated with continuing airworthiness management to an organisation approved as a CAMO or CAO in accordance with Annex Vc (Part-CAMO), Subpart G of Annex I (Part-M) or Annex Vd (Part-CAO).] In that case, the contracted organisation shall assume responsibility for the proper performance of those tasks and a written contract shall be concluded in accordance with Appendix I to this Annex. If the owner does not contract such an organisation, the owner is responsible for the proper performance of the tasks associated with the continuing airworthiness management.
- (g) The owner shall grant the [F436CAA] access to the aircraft and the aircraft records, in order for the [F436CAA] to determine whether the aircraft complies with the requirements of this Annex.
- (h) [F14]In the case of an aircraft included in an air operator certificate is used for non-commercial or specialised operations under point ORO.GEN.310 of Annex III or point NCO.GEN.104 of Annex VII to Regulation (EU) No 965/2012 <sup>(18)</sup>, the operator shall ensure that the tasks associated with continuing airworthiness are performed by the CAMO approved in accordance with Annex Vc (Part-CAMO) or Subpart G of Annex I (Part-M) or the combined airworthiness organisation ('CAO') approved in accordance with Annex Vd (Part-CAO), whichever applicable, of the air operator certificate holder.]

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**Textual Amendments**

**F436** Word in Annex 5b point ML.A.201(g) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(4)(a)**

**ML.A.201 Occurrence reporting**

- (a) Without prejudice to the reporting requirements set out in Annex II (Part-145) and Annex Vc (Part-CAMO), any person or organisation responsible in accordance with point ML.A.201 shall report any identified condition of an aircraft or component which endangers flight safety to:
- (1) [F437]the CAA;]
  - (2) to the organisation responsible for the type design or supplemental type design.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (b) The reports referred to in point (a) shall be made in a manner determined by the [F438CAA] and shall contain all pertinent information about the condition known to the person or organisation making the report.
- (c) Where the maintenance or the airworthiness review of the aircraft is carried out on the basis of a written contract, the person or the organisation responsible for those activities shall also report any condition referred to in point (a) to the owner of the aircraft and, when different, to the CAMO or CAO concerned.
- (d) The person or organisation shall submit the reports referred to in points (a) and (c) as soon as possible, but no later than 72 hours from the moment when the person or organisation identified the condition to which the report relates, unless exceptional circumstances prevent this.

#### Textual Amendments

**F437** Annex 5b point ML.A.202(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(4)(b)(i)**

**F438** Word in Annex 5b point ML.A.202(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(4)(b)(ii)**

### SUBPART CONTINUING AIRWORTHINESS

#### ML.A.30 Continuing airworthiness tasks

The aircraft continuing airworthiness and the serviceability of operational and emergency equipment shall be ensured by:

- (a) the accomplishment of pre-flight inspections;
- (b) the rectification of any defect and damage affecting safe operation in accordance with data specified in points ML.A.304 and ML.A.401, as applicable, while taking into account the minimum equipment list ( ‘ MEL ’ ) and configuration deviation list, when they exist;
- (c) the accomplishment of all maintenance in accordance with the AMP referred to in point ML.A.302;
- (d) the accomplishment of any applicable:
  - (1) airworthiness directive ( ‘ AD ’ );
  - (2) operational directive with a continuing-airworthiness impact;
  - (3) continuing-airworthiness requirement established by the [F439CAA];
  - (4) measure required by the [F440CAA] as an immediate reaction to a safety problem;
- (e) the accomplishment of modifications and repairs in accordance with point ML.A.304;
- (f) maintenance check flights, when necessary.



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

- F439** Word in Annex 5b point ML.A.301(d) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(5)(a)(i)**
- F440** Word in Annex 5b point ML.A.301(d) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(5)(a)(ii)**

#### ML.A.302 Aircraft maintenance programme

- (a) The maintenance of each aircraft shall be organised in accordance with an AMP.
- (b) The AMP and any subsequent amendments thereto shall be, alternatively:
- (1) declared by the owner in accordance with point (c)(7) of point ML.A.302, where the continuing airworthiness of the aircraft is not managed by a CAMO or CAO;
  - (2) approved by the CAMO or CAO responsible for managing the continuing airworthiness of the aircraft.

The owner declaring the AMP in accordance with point (b)(1) or the organisation approving the AMP in accordance with point (b)(2) shall keep the AMP updated.

- (c) The AMP:
- (1) shall clearly identify the owner of the aircraft and the aircraft to which it relates, including any installed engine and propeller, as applicable;
  - (2) shall include, alternatively:
    - (a) the tasks or inspections contained in the applicable minimum inspection programme ( ‘ MIP ’ ) referred to in point (d);
    - (b) the instructions for continuing airworthiness ( ‘ ICA ’ ) issued by the design approval holder ( ‘ DAH ’ );
  - (3) may include additional maintenance actions to those referred to in point (c) (2) or maintenance actions alternative to those referred to in point (c)(2)(b) at the proposal of the owner, CAMO or CAO, once approved or declared in accordance with point (b). Alternative maintenance actions to those referred to in point (c)(2)(b) shall not be less restrictive than those set out in the applicable MIP;
  - (4) shall include all the mandatory continuing airworthiness information, such as repetitive ADs, the airworthiness limitation section ( ‘ ALS ’ ) of the ICAs, and specific maintenance requirements contained in the type certificate data sheet ( ‘ TCDS ’ );
  - (5) shall identify any additional maintenance tasks to be performed because of the specific aircraft type, aircraft configuration and type and specificity of operation, whereas the following elements shall be taken into consideration as a minimum:
    - (a) specific installed equipment and modifications of the aircraft;
    - (b) repairs carried out in the aircraft;

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (c) life-limited components and flight-safety-critical components;
  - (d) maintenance recommendations, such as time between overhaul ( ‘ TBO ’ ) intervals, issued through service bulletins, service letters, and other non-mandatory service information;
  - (e) applicable operational directives or requirements related to the periodic inspection of certain equipment;
  - (f) special operational approvals;
  - (g) use of the aircraft and operational environment;
- (6) shall identify whether the Pilot-owners are authorised to perform maintenance;
  - (7) when declared by the owner, shall contain a signed statement by which the owner declares that this is the AMP for the particular aircraft registration and that he is fully responsible for its content and, in particular, for any deviations from the DAH's recommendations;
  - (8) when approved by the CAMO or CAO, shall be signed by this organisation, which shall retain records with the justification for any deviation introduced to the DAH's recommendations;
  - (9) shall be reviewed at least annually in order to assess its effectiveness, and this review shall be performed, alternatively:
    - (a) in conjunction with the airworthiness review of the aircraft by the person who performs such an airworthiness review;
    - (b) by the CAMO or CAO managing the continuing airworthiness of the aircraft in those cases where the review of the AMP is not performed in conjunction with an airworthiness review.

If the review shows deficiencies of the aircraft linked with deficiencies in the content of the AMP, the AMP shall be amended accordingly. In this case the person performing the review shall inform the [F441CAA] if he does not agree with the measures amending the AMP taken by the owner, CAMO or CAO. The [F442CAA] shall decide which amendments to the AMP are necessary, raising the corresponding findings and, if necessary, reacting in accordance with point ML.B.304.

- (d) A MIP:
  - (1) shall contain the following inspection intervals:
    - (a) for aeroplanes, touring motor gliders ( ‘ TMGs ’ ) and balloons, every annual or 100-h interval, whichever comes first, to which a tolerance of 1 month or 10 h may be applied. The next interval shall be calculated as from the time the inspection takes place;
    - (b) for sailplanes and powered sailplanes other than TMG, every annual interval to which a tolerance of 1 month may be applied. The next interval shall be calculated as from the time the inspection takes place;

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- (2) shall contain the following, as applicable to the aircraft type:
- (a) servicing tasks as required by the DAH's requirements;
  - (b) inspection of markings;
  - (c) review of weighing records and weighing in accordance with Regulation (EU) No 965/2012, Regulation (EU) 2018/395 and Regulation (EU) 2018/1976;
  - (d) operational test of transponder (if installed);
  - (e) functional test of the pitot-static system;
  - (f) in the case of aeroplanes:
    - (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;
  - (g) inspection of the condition and attachment of the structural items, systems and components corresponding to the following areas:
    - (i) for aeroplanes:

airframe, cabin and cockpit, landing gear, wing and centre section, flight controls, empennage, avionics and electrics, power plant, clutches and gearboxes, propeller and miscellaneous systems, such as the ballistic rescue system;
    - (ii) for sailplanes and powered sailplanes:

airframe, cabin and cockpit, landing gear, wing and centre section, empennage, avionics and electrics, power plant (for powered sailplanes) and miscellaneous systems, such as removable ballast and/or drag chute and controls, as well as water ballast system;
    - (iii) for hot-air balloons:

envelope, burner, basket, fuel containers, equipment and instruments;
    - (iv) for gas balloons:

envelope, basket, equipment and instruments.

As long as this Annex does not specify an MIP for airships and rotorcraft, their AMP shall be based on the ICA issued by the DAH, as referred to in point (c)(2)(b).

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- (e) By derogation from points (b) and (c), a declaration by the owner or an approval by a CAMO or CAO is not required, and an AMP document is not required to be produced when the following conditions are met:
- (1) all the ICA issued by the DAH are being followed without any deviations;
  - (2) all maintenance recommendations, such as TBO intervals, issued through service bulletins, service letters, and other non-mandatory service information, are being followed without any deviations;
  - (3) there are no additional maintenance tasks to be performed resulting from any of the following:
    - (a) specific installed equipment and modifications of the aircraft;
    - (b) repairs carried out in the aircraft;
    - (c) life-limited components and flight-safety-critical components;
    - (d) special operational approvals;
    - (e) use of the aircraft and operational environment.
  - (4) Pilot-owners are authorised to perform Pilot-owner maintenance.
- This derogation is not applicable if the pilot-owner or, in case of jointly-owned aircraft, any of the pilot-owners is not authorised to perform Pilot-owner maintenance because this has to be specified in the declared or approved AMP.
- (f) If the conditions provided for in points (e)(1) to (e)(4) are met, the AMP applicable to the aircraft shall consist of the following:
- (1) the ICA issued by the DAH;
  - (2) the maintenance recommendations, such as TBO intervals, issued through service bulletins, service letters, and other non-mandatory service information;
  - (3) the mandatory continuing airworthiness information, such as repetitive ADS, the ALS of the ICA and specific maintenance requirements contained in the TCDS;
  - (4) the tasks due to specific operational or airspace directives or requirements in relation to particular instruments and equipment.

#### Textual Amendments

**F441** Word in Annex 5b point ML.A.302(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(5)(b)(i)**

**F442** Word in Annex 5b point ML.A.302(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(5)(b)(ii)**

#### ML.A.302 Airworthiness directives

Any applicable AD must be carried out within the requirements of that AD unless otherwise specified by the [F443CAA].

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F443** Word in Annex 5b point ML.A.303 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(5)(b)(iii)**

#### ML.A.303 ~~Data for modifications and repairs~~

A person or organisation repairing an aircraft or a component shall assess any damage. Modifications and repairs shall be carried out using, as appropriate, the following data:

- (a) approved by the [<sup>F444</sup>CAA];
- (b) approved by a design organisation complying with Annex I (Part-21) to Regulation (EU) No 748/2012;
- (c) contained in the requirements referred to in point 21.A.90B or point 21.A.431B of Annex I (Part-21) to Regulation (EU) No 748/2012.

#### Textual Amendments

**F444** Word in Annex 5b point ML.A.304(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(5)(b)(iii)**

#### ML.A.304 ~~Aircraft continuing airworthiness record system~~

- (a) At the completion of any maintenance, the certificate of release to service (CRS) required by point ML.A.801 shall be entered in the aircraft continuing airworthiness record system. Each entry shall be made as soon as possible but not later than 30 days after the day of the completion of the maintenance task.
- (b) The aircraft continuing airworthiness records shall consist of an aircraft logbook, engine logbook(s) or engine module log cards, propeller logbook(s) and log cards, for any service-life-limited component, as appropriate.
- (c) The aircraft type and registration mark, the date together with the total flight time and flight cycles and landings, shall be entered in the aircraft logbooks.
- (d) The aircraft continuing airworthiness records shall contain:
  - (1) the current status of ADs and measures mandated by the [<sup>F445</sup>CAA] in immediate reaction to a safety problem;
  - (2) the current status of modifications, repairs and other DAH maintenance recommendations;
  - (3) the current status of compliance with the AMP;
  - (4) the current status of service-life-limited components;
  - (5) the current mass and balance report;
  - (6) the current list of deferred maintenance.
- (e) In addition to the authorised release document, [<sup>F446</sup>CAA Form 1], as set out in Appendix II of Annex I (Part-M), or equivalent, the following information relevant to any component installed, such as engine, propeller, engine module or service-life-

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limited component, shall be entered in the appropriate engine or propeller logbook, engine module or service-life-limited component log card:

- (1) the identification of the component;
  - (2) the type, serial number and registration, as appropriate, of the aircraft, engine, propeller, engine module or service-life-limited component to which the particular component has been fitted, along with the reference to the installation and removal of the component;
  - (3) the date together with the component's accumulated total flight time, flight cycles, landings and calendar time, as relevant to the particular component;
  - (4) the current information referred to in point (d), applicable to the component.
- (f) The person or organisation responsible for the management of continuing airworthiness and tasks pursuant to point ML.A.201, shall control the records as detailed in point ML.A.305 and present the records to the [F<sup>447</sup>CAA] upon request.
- (g) All entries made in the aircraft continuing airworthiness records shall be clear and accurate. When it is necessary to correct an entry, the correction shall be made in a manner that clearly shows the original entry.
- (h) An owner shall ensure that a system has been established to keep the following records for the periods specified:
- (1) all detailed maintenance records in respect of the aircraft and any service-life-limited component fitted thereto, until such time as the information contained therein is superseded by new information equivalent in scope and detail but no less than 36 months after the aircraft or component has been released to service;
  - (2) the total time in service, this is to say hours, calendar time, cycles and landings, of the aircraft and all service-life-limited components, for at least 12 months after the aircraft or component has been permanently withdrawn from service;
  - (3) the time in service, this is to say hours, calendar time, cycles and landings, as appropriate, since the last scheduled maintenance of the component subjected to a service life limit, at least until the component scheduled maintenance has been superseded by another scheduled maintenance of equivalent work scope and detail;
  - (4) the current status of compliance with the AMP at least until the scheduled maintenance of the aircraft or component has been superseded by another scheduled maintenance of equivalent work scope and detail;
  - (5) the current status of ADs applicable to the aircraft and components, at least 12 months after the aircraft or component has been permanently withdrawn from service;
  - (6) details of current modifications and repairs to the aircraft, engine(s), propeller(s) and any other component vital to flight safety, at least 12 months after they have been permanently withdrawn from service.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

- F445** Word in Annex 5b point ML.A.305(d) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(5)(c)(i)**
- F446** Words in Annex 5b point ML.A.305(e) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(5)(c)(ii)**
- F447** Word in Annex 5b point ML.A.305(f) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(5)(c)(iii)**

### ML.A.307 **Transfer of aircraft continuing-airworthiness records**

- (a) When an aircraft is permanently transferred from one owner to another, the transferring owner shall ensure that the continuing airworthiness records referred to in point ML.A.305 are also transferred.
- (b) When the owner contracts the continuing airworthiness management tasks to a CAMO or CAO the owner shall ensure that the continuing airworthiness records referred to in point ML.A.305 are transferred to the contracted organisation.
- (c) The time periods for the retention of records set out in point (h) of point ML.A.305 shall continue to apply to the new owner, CAMO or CAO.

### SUBPART M **MAINTENANCE STANDARDS**

#### ML.A.40 **Maintenance data**

- (a) The person or organisation maintaining an aircraft shall only use applicable maintenance data during the performance of maintenance.
- (b) For the purposes of this Annex, ‘ applicable maintenance ’ data means:
- (1) any applicable requirement, procedure, standard or information issued by the [<sup>F448</sup>CAA];
  - (2) any applicable AD;
  - (3) applicable ICA issued by type certificate holders, supplementary type certificate holders and any other organisation that publishes such data in accordance with Annex I (Part-21) to Regulation (EU) No 748/2012;
  - (4) any applicable data issued in accordance with point (d) of point 145.A.45.

#### Textual Amendments

- F448** Word in Annex 5b point ML.A.401(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(6)**

### ML.A.40P **Performance of maintenance**

- (a) Maintenance performed by approved maintenance organisations shall be in accordance with Subpart F of Annex I (Part-M), Annex II (Part-145) or Annex Vd (Part-CAO), as applicable.
- (b) For maintenance not performed in accordance with point (a), the person performing maintenance shall:

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- (1) be qualified for the tasks performed, as required by this Annex;
- (2) ensure that the area in which maintenance is carried out is well organised and clean with no dirt or contamination;
- (3) use the methods, techniques, standards and instructions specified in the maintenance data referred to in point ML.A.401;
- (4) use the tools, equipment and material specified in the maintenance data referred to in point ML.A.401. If necessary, tools and equipment shall be controlled and calibrated to an officially recognised standard;
- (5) ensure that maintenance is performed within any environmental limitations specified in the maintenance data referred to in point ML.A.401;
- (6) ensure that proper facilities are used in case of inclement weather or lengthy maintenance;
- (7) ensure that the risk of multiple errors during maintenance and the risk of errors being repeated in identical maintenance tasks are minimised;
- (8) ensure that an error-capturing method is implemented after the performance of any critical maintenance task;
- (9) perform a general verification after completion of maintenance to ensure that the aircraft or component is clear of all tools, equipment and any extraneous parts and material, and that all access panels removed have been refitted;
- (10) ensure that all maintenance performed is properly recorded and documented.

#### ML.A.403 **Aircraft defects**

- (a) Any aircraft defect that seriously endangers the flight safety shall be rectified before further flight.
- (b) The following persons may decide that a defect does not seriously endanger flight safety, and may defer it accordingly:
  - (1) the pilot in respect of defects affecting non-required aircraft equipment;
  - (2) the pilot, when using the minimum equipment list, in respect of defects affecting required aircraft equipment — otherwise, these defects may only be deferred by authorised certifying staff;
  - (3) the pilot in respect of defects other than those referred to in points (b)(1) and (b)(2) if all the following conditions are met:
    - (i) the aircraft is operated under Annex VII to Regulation (EU) No 965/2012 (Part-NCO) or, in the case of balloons or sailplanes, not operated under Subpart-ADD of Annex II (Part-BOP) to Regulation (EU) 2018/395 or not following Subpart DEC of Annex II (Part-SAO) to Regulation (EU) 2018/1976;
    - (ii) the pilot defers the defect with the agreement of the aircraft owner or, if applicable, of the contracted CAMO or CAO;



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- (4) the appropriately qualified certifying staff in respect of other defects than those referred to in points (b)(1) and (b)(2), where the conditions referred to in point 3(i) and (ii) are not met.
- (c) Any aircraft defect that does not seriously hazard flight safety shall be rectified as soon as practicable from the date on which the defect was first identified and within the limits specified in the maintenance data.
- (d) Any defect not rectified before flight shall be recorded in the aircraft continuing airworthiness record system referred to in point ML.A.305 and a record shall be available to the pilot.

## SUBPART COMPONENTS

### ML.A.50 Classification and installation

- (a) Unless otherwise specified in Subpart F of Annex I (Part-M), Annex II (Part-145), Annex Vd (Part-CAO) to this Regulation and Annex I (Part-21) to Regulation (EU) No 748/2012, component may be fitted only if all of the following conditions are met:
  - (i) it is in a satisfactory condition;
  - (ii) has been appropriately released to service using [F449 a CAA Form 1] as set out in Appendix II of Annex I (Part-M), or equivalent;
  - (iii) has been marked in accordance with Subpart Q of Annex I (Part-21) to Regulation (EU) No 748/2012.
- (b) Prior to the installation of a component on an aircraft, the person or approved maintenance organisation shall ensure that the particular component is eligible to be fitted if different modifications or AD configurations are applicable.
- (c) Standard parts shall only be fitted to an aircraft or component when the maintenance data specifies those particular standard parts. Standard parts shall only be fitted when accompanied by evidence of conformity to the applicable standard and has appropriate traceability.
- (d) Raw or consumable material shall only be used on an aircraft or component provided that:
  - (i) the aircraft or component manufacturer allows for the use of raw or consumable material in relevant maintenance data or as specified in Subpart F of Annex I (Part-M), Annex II (Part-145) or Annex Vd (Part-CAO).
  - (ii) such material meets the required material specification and has appropriate traceability.
  - (iii) such material is accompanied by documentation clearly relating to the particular material and containing a conformity-to-specification statement as well as the manufacturing and supplier source.
- (e) In case of balloons, where different combinations of baskets, burners and fuel cylinders are possible for a particular envelope, the person installing them shall ensure that:
  - (1) the basket, burner and/or fuel cylinders are eligible for installation according to the TCDS or other documents referred to in the TCDS;

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- (2) the basket, burner and/or fuel cylinders are in serviceable condition and have the appropriate maintenance records.

#### Textual Amendments

**F449** Words in Annex 5b point ML.A.501 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(7)(a)**

#### ML.A.501 Component maintenance

- (a) Components accepted by the owner in accordance with point (c) of point 21.A.307 of Annex I (Part-21) to Regulation (EU) No 748/2012 shall be maintained by any person or organisation, subject to reacceptance by the owner under the conditions of point 21.A.307(c) of that Annex. This maintenance is not eligible for the issuance of [F450a CAA Form 1], as set out in Appendix II of Annex I (Part-M), and shall be subject to the aircraft release requirements.
- (b) Components shall be released in accordance with the following table:

	Released using an EASA Form 1 (as set out in Appendix II of Annex I (Part-M))	Released at aircraft level per point ML.A.801 (not possible to issue an EASA Form 1)
Components maintained in accordance with component maintenance data (data issued by the component manufacturer)		
Maintenance other than overhaul	Engine-rated (for engine) or component-rated (for other components) maintenance organisations	(i) Aircraft-rated maintenance organisations; and/or (ii) independent certifying staff
Overhaul of components other than engines and propellers	Component-rated maintenance organisations	Not possible
Overhaul of engines and propellers for CS-VLA, CS-22 and LSA aircraft	Engine-rated (for engine) or component-rated (for propeller) maintenance organisations	(iii) Aircraft-rated maintenance organisations; and/or (iv) independent certifying staff
Overhaul of engines and propellers for other than CS-VLA, CS-22 and LSA aircraft	Engine-rated (for engine) or component-rated (for propeller) maintenance organisations	Not possible
Components maintained in accordance with aircraft maintenance data (data issued by the aircraft manufacturer)		
All components and all types of maintenance	Engine-rated (for engine) or component-rated (for other components) maintenance organisations	— Aircraft-rated maintenance organisations; and/or

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

— independent  
certifying staff

#### Textual Amendments

**F450** Words in Annex 5b point ML.A.502 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(7)(a)**

#### ML.A.502 ~~Service-life-limited components~~

- (a) The term ‘ service life-limited components ’ contains the following components:
- (1) components subject to a certified life limit after which the components should be retired, and;
  - (2) components subject to a service life limit after which the components shall undergo maintenance to restore their serviceability.
- (b) Installed service-life-limited components shall not exceed the approved service life limit as specified in the AMP and ADs, except as provided for in point ML.A.504(c).
- (c) The approved service life is expressed in calendar time, flight hours, landings or cycles, as appropriate.
- (d) At the end of the approved service life limit, the component must be removed from the aircraft for maintenance, or for disposal in the case of components with a certified life limit.

#### ML.A.504 ~~Control of unserviceable components~~

- (a) A component shall be considered unserviceable in any of the following circumstances:
- (1) expiry of the component's service life limit as defined in the AMP;
  - (2) non-compliance with the applicable ADs and other continued-airworthiness requirement mandated by the [F451CAA];
  - (3) absence of the necessary information to determine the airworthiness status of the component or its eligibility for installation;
  - (4) evidence of component defects or malfunctions;
  - (5) component involvement in an incident or accident likely to affect its serviceability.
- (b) Unserviceable components shall be identified as one of the following:
- (1) unserviceable and stored in a secure location under the control of an approved maintenance organisation or independent certifying staff until a decision is made on the future status of such components;
  - (2) unserviceable by the person or organisation that declared the component unserviceable, and its custody shall be transferred to the aircraft owner after documenting such transfer in aircraft maintenance record system referred to in point ML.A.305.
- (c) Components which have reached their certified life limit or contain a non-repairable defect or malfunction shall be classified as unsalvageable and shall not be permitted to

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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re-enter the component supply system unless certified life limits have been extended or a repair solution has been approved in accordance with point ML.A.304.

- (d) Any person or organisation responsible pursuant to point ML.A.201 shall in the case of an unsalvageable component, as provided for in point (c), take one of the following actions:
- (1) retain such component in a location referred to in point (b)(1);
  - (2) arrange for the component to be mutilated in a manner that ensures that it is beyond economic salvage or repair before relinquishing responsibility for such a component.
- (e) Notwithstanding point (d), a person or organisation responsible pursuant to point ML.A.201 may transfer responsibility of components classified as unsalvageable without mutilation to an organisation for training or research.

#### Textual Amendments

**F451** Word in Annex 5b point ML.A.504(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(7)(b)**

### SUBPART ~~C~~ **CERTIFICATE OF RELEASE TO SERVICE (CRS)**

#### ML.A.80 **Aircraft certificate of release to service**

- (a) A CRS shall be issued after the required maintenance has been carried out properly on an aircraft.
- (b) The CRS shall be issued, alternatively by:
- (1) appropriate certifying staff on behalf of the approved maintenance organisation;
  - (2) independent certifying staff;
  - (3) the pilot- owner in compliance with point ML.A.803.
- (c) By derogation from point (b), in the case of unforeseen circumstances, when an aircraft is grounded at a location where no appropriately approved maintenance organisation and no appropriate certifying staff are available, the owner may authorise any person, with no less than 3 years of appropriate maintenance experience and holding the proper qualifications, to maintain the aircraft according to the standards set out in Subpart D of this Annex and release the aircraft. The owner shall in that case:
- (1) obtain and keep in the aircraft records, details of all the work carried out and of the qualifications held by the person issuing the certification;
  - (2) ensure that any such maintenance is rechecked and released in accordance with point (b) of point ML.A.801 at the earliest opportunity and within a period not exceeding 7 days or, in the case of aircraft operated under Annex VII to Regulation (EU) No 965/2012 (Part-NCO) or, in the case of balloons, not operated under Subpart-ADD of Annex II (Part-BOP) to Regulation (EU) 2018/395 or, in the case of sailplanes not following Subpart DEC of Annex II (Part-SAO) to Regulation (EU) 2018/1976, within a period not exceeding 30 days;

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (3) notify the contracted CAMO or CAO, or the [F452CAA] in the absence of such a contract, within 7 days of the issuance of such authorisation.
- (d) In the case of a release to service in accordance with points (b)(1) or (b)(2), the certifying staff may be assisted in performing the maintenance tasks by one or more persons subject to his direct and continuous control;
- (e) A CRS shall contain at least:
  - (1) basic details of the maintenance carried out;
  - (2) the date on which the maintenance was completed;
  - (3) the identity of the organisation or person issuing the release to service, including, alternatively:
    - (i) the approval reference of the maintenance organisation and certifying staff issuing the CRS;
    - (ii) in the case of point (b)(2), the identity and, if applicable, the licence number of the independent certifying staff issuing the CRS;
  - (4) the limitations to airworthiness or operations, if any.
- (f) By derogation from point (a) and notwithstanding point (g), when the required maintenance cannot be completed, a CRS may be issued within the approved aircraft limitations. In that case, the CRS shall indicate that the maintenance could not be completed, as well as indicate any applicable airworthiness or operations limitations, as part of the information required in point (e)(4).
- (g) A CRS shall not be issued in the case of any known non-compliance with the requirements of this Annex which endangers flight safety.

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**Textual Amendments**

**F452** Word in Annex 5b point ML.A.801(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(8)(a)**

**ML.A.801 Component certificate of release to service**

- (a) A component CRS shall be issued after the required maintenance has been carried out properly on an aircraft component in accordance with point ML.A.502.
- (b) The authorised release certificate identified as [F453CAA Form 1], as set out Appendix II of Annex I (Part-M), constitutes the component CRS, except when such maintenance is released at aircraft level, as indicated in point ML.A.502(b).

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**Textual Amendments**

**F453** Words in Annex 5b point ML.A.802(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(8)(b)**

**ML.A.802 Pilot-owner authorisation**

- (a) To qualify as a pilot-owner, the person must:

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (1) hold a valid pilot licence or equivalent licence issued or validated by [<sup>F454</sup>the CAA] for the aircraft type or class rating;
- (2) own the aircraft, either as a sole or joint owner; that owner must be, alternatively:
  - (i) one of the natural persons on the registration form;
  - (ii) a member of a non-profit recreational legal entity, where the legal entity is specified on the registration document as owner or operator; that member must be directly involved in the decision-making process of the legal entity and designated by that legal entity to carry out Pilot-owner maintenance.
- (b) For aircraft operated under Annex VII (Part-NCO) to Regulation (EU) No 965/2012 or, in the case of balloons, not operated under Subpart-ADD of Annex II (Part-BOP) to Regulation (EU) 2018/395 or, in the case of sailplanes, not following Subpart DEC of Annex II (Part-SAO) to Regulation (EU) 2018/1976, the pilot-owner may issue a CRS after limited Pilot-owner maintenance as provided for in Appendix II to this Annex.
- (c) The CRS shall be entered in the logbooks and contain basic details of the maintenance carried out, the maintenance data used, the date on which that maintenance was completed, as well as the identity, the signature and the pilot licence (or equivalent) number of the pilot-owner issuing such a certificate.

#### Textual Amendments

**F454** Words in Annex 5b point ML.A.803(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(8)(c)**

### SUBPART AIRWORTHINESS REVIEW CERTIFICATE ( ' ARC ' )

#### ML.A.90 Aircraft airworthiness review

To ensure the validity of the aircraft airworthiness certificate ( ' ARC ' ), an airworthiness review of the aircraft and its continuing airworthiness records shall be carried out periodically.

- (a) An ARC is issued in accordance with Appendix IV ([<sup>F455</sup>CAA Form 15c]) to this Annex upon completion of a satisfactory airworthiness review. The ARC shall be valid for 1 year;
- (b) The airworthiness review and the issuance of the ARC shall be performed in accordance with point ML.A.903, alternatively by:
  - (1) the [<sup>F456</sup>CAA];
  - (2) an appropriately approved CAMO or CAO;
  - (3) [<sup>F14</sup>the approved maintenance organisation while performing the 100-h/annual inspection contained in the AMP;]
  - (4) [<sup>F14</sup>for aircraft operated under Annex VII (Part-NCO) to Regulation (EU) No 965/2012 or, in the case of balloons, not operated under Subpart-ADD of Annex II (Part-BOP) to Regulation (EU) 2018/395 <sup>(19)</sup> or, in the case of sailplanes, not following Subpart DEC of Annex II (Part-SAO) to Regulation

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(EU) 2018/1976 <sup>(20)</sup>, the independent certifying staff while performing the 100-h/annual inspection contained in the AMP, when holding:]

- (i) a licence issued in accordance with Annex III (Part-66) rated for the corresponding aircraft or, if Annex III (Part-66) is not applicable to the particular aircraft, a national certifying-staff qualification valid for that aircraft;
- (ii) an authorisation issued by [<sup>F457</sup>the CAA].

Whenever circumstances reveal the existence of a potential safety threat, the [<sup>F458</sup>CAA] shall carry out the airworthiness review and issue the ARC itself.

(c) The validity of an ARC may be extended maximum two consecutive times, for a period of one year each time, by an appropriately approved CAMO or CAO, subject to the following conditions:

- (1) the aircraft has been continuously managed for the previous 12 months by this CAMO or CAO;
- (2) the aircraft has been maintained for the previous 12 months by approved maintenance organisations; this includes pilot-owner maintenance tasks carried out and released to service either by the pilot-owner or by independent certifying staff;
- (3) the CAMO or CAO does not have any evidence or reason to believe that the aircraft is not airworthy.

This extension by the CAMO or CAO is possible regardless of which staff or organisation, as provided for in point (b), initially issued the ARC.

(d) By derogation from point (c), the extension of the ARC may be anticipated for a maximum period of 30 days, without loss of continuity of the airworthiness review pattern, to ensure the availability of the aircraft in order to place the original ARC on board.

(e) When the [<sup>F459</sup>CAA] carries out the airworthiness review and issues the ARC itself, the owner shall provide the [<sup>F459</sup>CAA] with:

- (1) the documentation required by the [<sup>F459</sup>CAA];
- (2) suitable accommodation at the appropriate location for its personnel;
- (3) when necessary, the support of appropriate certifying staff.

#### Textual Amendments

**F455** Words in Annex 5b point ML.A.901(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(a)(i)**

**F456** Word in Annex 5b point ML.A.901(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(a)(ii)**

**F457** Words in Annex 5b point ML.A.901(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(a)(iii)(aa)**

**F458** Word in Annex 5b point ML.A.901(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(a)(iii)(bb)**

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

**F459** Word in Annex 5b point ML.A.901(e) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(a)(iv)**

### ML.A.901 **Validity of the airworthiness review certificate**

- (a) An ARC becomes invalid if, alternatively:
- (1) it is suspended or revoked;
  - (2) the airworthiness certificate is suspended or revoked;
  - (3) the aircraft is not <sup>[F460]</sup>registered in the United Kingdom];
  - (4) the type certificate under which the airworthiness certificate was issued is suspended or revoked.
- (b) An aircraft shall not fly if the ARC is invalid or if any of the following circumstances are present:
- (1) the continuing airworthiness of the aircraft or any component fitted to the aircraft does not meet the requirements of this Annex;
  - (2) the aircraft does not remain in conformity with the type design approved by the <sup>[F461]</sup>CAA];
  - (3) the aircraft has been operated beyond the limitations of the approved flight manual or airworthiness certificate, without appropriate action being taken;
  - (4) the aircraft has been involved in an accident or incident that affects the airworthiness of the aircraft, without subsequent appropriate action to restore airworthiness;
  - (5) a modification or repair to the aircraft or any component fitted to the aircraft is not in compliance with Annex I (Part-21) to Regulation (EU) No 748/2012.
- (c) Upon surrender or revocation, the ARC shall be returned to the <sup>[F462]</sup>CAA].

#### Textual Amendments

**F460** Words in Annex 5b point ML.A.902(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(b)(i)**

**F461** Word in Annex 5b point ML.A.902(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(b)(ii)**

**F462** Word in Annex 5b point ML.A.902(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(b)(iii)**

### ML.A.903 **Airworthiness review process**

- (a) To satisfy the requirement for the airworthiness review of an aircraft referred to in point ML.A.901, the airworthiness review staff shall perform a documented review of the aircraft records to verify that:
- (1) airframe, engine and propeller flying hours and associated flight cycles have been properly recorded;
  - (2) the flight manual is applicable to the aircraft configuration and reflects the latest revision status;



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**Changes to legislation:** *There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes*

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- (3) all the maintenance due on the aircraft according to the AMP has been carried out;
  - (4) all known defects have been corrected or deferred in a controlled manner;
  - (5) all applicable ADs have been applied and properly registered;
  - (6) all modifications and repairs made to the aircraft have been registered and are in compliance with Annex I (Part-21) to Regulation (EU) No 748/2012;
  - (7) all service-life-limited components installed on the aircraft are properly identified, registered and have not exceeded their approved service life limit;
  - (8) all maintenance has been certified in accordance with this Annex;
  - (9) if required, the current mass-and-balance statement reflects the configuration of the aircraft and is valid;
  - (10) the aircraft complies with the latest revision of its type design approved by the [<sup>F463</sup>CAA];
  - (11) if required, the aircraft holds a noise certificate corresponding to the current configuration of the aircraft in compliance with Subpart I of Annex I (Part-21) to Regulation (EU) No 748/2012.
- (b) The airworthiness review staff referred to in point (a) shall carry out a physical survey of the aircraft. For this survey, airworthiness review staff not appropriately qualified under Annex III (Part-66) shall be assisted by such qualified personnel.
- (c) Through the physical survey of the aircraft, the airworthiness review staff shall ensure that:
- (1) all required markings and placards are properly installed;
  - (2) the aircraft complies with its approved flight manual;
  - (3) the aircraft configuration complies with the approved documentation;
  - (4) no evident defect can be found that has not been addressed according to point ML.A.403;
  - (5) no inconsistencies can be found between the aircraft and the documented review of records as referred to in point (a).
- (d) By derogation from point ML.A.901(a), the airworthiness review may be anticipated for a maximum period of 90 days, without loss of continuity of the airworthiness review pattern, so as to allow the physical review to take place during a maintenance check.
- (e) The ARC ([<sup>F464</sup>CAA Form 15c]) set out to in Appendix IV shall only be issued:
- (1) by appropriately authorised airworthiness review staff;
  - (2) when the airworthiness review has been completely carried out, all findings have been closed;
  - (3) when any discrepancy found in the AMP in accordance with point (h) has been satisfactorily addressed.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (f) F465 ...
- (g) Airworthiness review tasks shall not be subcontracted.
- (h) The effectiveness of the AMP may be reviewed in conjunction with the airworthiness review in accordance with point (c)(9) of point ML.A.302. This review shall be completed by the person who performed the airworthiness review. If the review shows deficiencies of the aircraft linked with deficiencies in the content of the AMP, the AMP shall be amended accordingly. The person performing the review shall inform the [F466CAA] if he does not agree with the measures amending the AMP taken by the owner, CAMO or CAO. In such case the [F467CAA] shall decide which amendments to the AMP are necessary, raising the corresponding findings defined in point ML.B.903 and, if necessary, reacting in accordance with point ML.B.304.

#### Textual Amendments

- F463** Word in Annex 5b point ML.A.903(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(c)(i)**
- F464** Words in Annex 5b point ML.A.903(e) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(c)(ii)**
- F465** Annex 5b point ML.A.903(f) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(c)(iii)**
- F466** Word in Annex 5b point ML.A.903(h) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(c)(iv)(aa)**
- F467** Word in Annex 5b point ML.A.903(h) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(c)(iv)(bb)**

#### ML.A.90 **Qualification of airworthiness review staff**

- (a) Airworthiness review staff acting on behalf of the [F468CAA] shall be qualified in accordance with point ML.B.902.
- (b) [F14 Airworthiness review staff acting on behalf of an organisation referred to in Subpart F or Subpart G of Annex I (Part-M), Annex II (Part-145), Annex Vc (Part-CAMO) or Annex Vd (Part-CAO) shall be qualified in accordance with Subpart F or Subpart G of Annex I (Part-M), Annex II (Part-145), Annex Vc (Part-CAMO) or Annex Vd (Part-CAO), respectively.]
- (c) [F469 hold an authorisation issued by the CAA.]
- (d) The authorisation required under point (c)(2) shall be issued by the [F470CAA] when:
- (1) the [F470CAA] has assessed that the person has the knowledge of the parts of this Annex relevant to continuing-airworthiness management, performance of airworthiness reviews and issuance of ARCs;
  - (2) the person has satisfactorily performed an airworthiness review under the supervision of the [F470CAA].

This authorisation shall remain valid for a duration of 5 years as long as the holder has performed at least 1 airworthiness review every 12-months. If this is not the case, a new airworthiness review shall be satisfactorily performed under the supervision of the [F470CAA].

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Upon expiration of its validity, the authorisation shall be renewed for another 5 years subject to a new compliance with points (d)(1) and (d)(2). There is no limit to the number of renewals.

The holder of the authorisation shall keep records of all the airworthiness reviews performed and shall make them available, upon request, to [<sup>F471</sup>the CAA] and to any aircraft owner for whom they are performing an airworthiness review.

This authorisation may be revoked by the [<sup>F472</sup>CAA] at any time if it is not satisfied with the competence of the holder or with the use of such an authorisation.

#### Textual Amendments

- F468** Word in Annex 5b point ML.A.904(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(d)(i)**
- F469** Words in Annex 5b point ML.A.904(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(d)(ii)**
- F470** Word in Annex 5b point ML.A.904(d) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(d)(iii)(aa)**
- F471** Words in Annex 5b point ML.A.904(d) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(d)(iii)(bb)**
- F472** Word in Annex 5b point ML.A.904(d) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(d)(iii)(cc)**

#### ML.A.905 **Transfer of aircraft registration within the Union**

F473 ...

#### Textual Amendments

- F473** Annex 5b point ML.A.905 omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(e)**

#### ML.A.906 **Airworthiness review of aircraft imported into the [<sup>F474</sup>United Kingdom]**

- (a) When importing an aircraft from a third country onto [<sup>F475</sup>the United Kingdom] register, the applicant shall:
  - (1) apply to the [<sup>F476</sup>CAA] for the issuance of a new airworthiness certificate in accordance with Annex I (Part-21) to Regulation (EU) No 748/2012;
  - (2) for aircraft other than new, have an airworthiness review carried out satisfactorily in accordance with point ML.A.901;
  - (3) have all maintenance carried out to comply with the approved or declared AMP.
- (b) If the aircraft complies with the relevant requirements, the [<sup>F477</sup>CAA], the CAMO or CAO, the maintenance organisation or the independent certifying staff performing the airworthiness review, as provided for in point (b) of point ML.A.901, shall issue an ARC and shall submit a copy to the [<sup>F478</sup>CAA].
- (c) The owner shall allow access to the aircraft for inspection by the [<sup>F479</sup>CAA].

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (d) A new airworthiness certificate shall be issued by the [<sup>F480</sup>CAA] if the aircraft complies with Annex I (Part-21) to Regulation (EU) No 748/2012.

#### Textual Amendments

- F475** Words in Annex 5b point ML.A.906(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(f)(ii)(aa)**
- F476** Word in Annex 5b point ML.A.906(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(f)(ii)(bb)**
- F477** Word in Annex 5b point ML.A.906(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(f)(iii)(aa)**
- F478** Word in Annex 5b point ML.A.906(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(f)(iii)(bb)**
- F479** Word in Annex 5b point ML.A.906(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(f)(iv)**
- F480** Word in Annex 5b point ML.A.906(d) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(f)(iv)**

#### Textual Amendments

- F474** Words in Annex 5b point ML.A.906 heading substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(f)(i)**

### ML.A.90 Findings

- (a) Findings are categorised as follows:
- (1) A Level 1 finding is any finding of significant non-compliance with the requirements of this Annex which lowers the safety standard and seriously endangers flight safety.
  - (2) A Level 2 finding is any finding of non-compliance with the requirements of this Annex which may lower the safety standard and may endanger flight safety.
- (b) After receipt of notification of findings in accordance with point ML.B.903, the person or organisation, having responsibilities pursuant to point ML.A.201, shall define and demonstrate to the [<sup>F481</sup>CAA] within a period agreed with [<sup>F482</sup>the CAA] a corrective action plan, aimed at preventing reoccurrence of the finding and its root cause.

#### Textual Amendments

- F481** Word in Annex 5b point ML.A.907(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(g)(i)**
- F482** Words in Annex 5b point ML.A.907(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(9)(g)(ii)**

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## SECTION B

### PROCEDURE FOR <sup>F483</sup>the CAA]

#### SUBPART ~~A~~ GENERAL

#### ML.B.10 Scope

This Section establishes the administrative requirements to be followed by the <sup>F484</sup>CAA in] the implementation and enforcement of Section A of this Annex.

##### Textual Amendments

**F484** Words in Annex 5b point ML.B.101 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(11)(a)**

#### ML.B.10<sup>F485</sup> CAA]

##### (a) General

<sup>F486</sup>The CAA is responsible] for the issuance, continuation, change, suspension or revocation of certificates and for the oversight of continuing airworthiness. <sup>F487</sup>The CAA] shall establish documented procedures and an organisational structure.

##### Textual Amendments

**F486** Words in Annex 5b point ML.B.102(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(11)(b)(ii)(aa)**

**F487** Words in Annex 5b point ML.B.102(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(11)(b)(ii)(bb)**

##### (b) Resources

The number of staff shall be appropriate to satisfy the requirements detailed in this Section.

##### (c) Qualification and training

All staff involved in activities covered by this Annex shall be appropriately qualified and have appropriate knowledge, experience, initial and continuation training to perform their allocated tasks.

##### (d) Procedures

The <sup>F488</sup>CAA] shall establish procedures detailing how compliance with this Annex is achieved.

##### Textual Amendments

**F488** Word in Annex 5b point ML.B.102(d) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(11)(b)(iii)**

The procedures shall be reviewed and amended to ensure continued compliance.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F485** Word in Annex 5b point ML.B.102 heading substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(11)(b)(i)**

#### ML.B.10~~2~~ Record-keeping

- (a) The [<sup>F489</sup>CAA] shall establish a system of record-keeping that allows adequate traceability of the process for issuing, continuing, changing, suspending or revoking each certificate and authorisation.
- (b) The records for the oversight of each aircraft shall include, as a minimum, a copy of:
- (1) the aircraft certificate of airworthiness;
  - (2) ARCs;
  - (3) reports from the airworthiness reviews carried out directly by the [<sup>F490</sup>CAA];
  - (4) all relevant correspondence relating to the aircraft;
  - (5) details of any exemption and enforcement action(s);
  - (6) any document approved by the [<sup>F491</sup>CAA] pursuant to this Annex or Regulation (EU) No 965/2012.
- (c) The records specified in point (b) shall be retained until 2 years after the aircraft has been permanently withdrawn from service.
- (d) <sup>F492</sup> ...

#### Textual Amendments

**F489** Word in Annex 5b point ML.B.104(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(11)(c)(i)**

**F490** Word in Annex 5b point ML.B.104(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(11)(c)(ii)**

**F491** Word in Annex 5b point ML.B.104(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(11)(c)(iii)**

**F492** Annex 5b point ML.B.104(d) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(11)(c)(iv)**

#### ML.B.10~~5~~ Mutual exchange of information

<sup>F493</sup> ...

#### Textual Amendments

**F493** Annex 5b point ML.B.105 omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(11)(d)**

#### SUBPART B COUNTABLETY

#### ML.B.20 Responsibilities

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

The [F<sup>494</sup>CAA] shall be responsible for conducting inspections and investigations in order to verify that the requirements of this Annex are complied with.

#### Textual Amendments

**F494** Word in Annex 5b point ML.B.201 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(12)(a)**

### SUBPART ~~C~~CONTINUING AIRWORTHINESS

#### ML.B.30~~1~~ Exemptions

All exemptions granted in accordance with Article 71 of Regulation (EC) 2018/1139 shall be recorded and retained by the [F<sup>495</sup>CAA].

#### Textual Amendments

**F495** Word in Annex 5b point ML.B.302 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(12)(b)**

#### ML.B.30~~2~~ Aircraft continuing airworthiness monitoring

- (a) The [F<sup>496</sup>CAA] shall develop a survey programme following a risk-based approach to monitor the airworthiness status of the fleet of aircraft on its register.
- (b) A survey programme shall include sample product surveys of aircraft and shall cover all aspects of airworthiness key risk elements.
- (c) A sample product survey shall sample the airworthiness standards achieved, on the basis of the applicable requirements, and identify any findings.
- (d) Any findings identified shall be categorised in accordance with point ML.B.903 and confirmed in writing to the person or organisation responsible pursuant to point ML.A.201. The [F<sup>496</sup>CAA] shall have a procedure in place to analyse findings as for their safety significance.
- (e) The [F<sup>496</sup>CAA] shall record all findings and closure actions.
- (f) If during aircraft monitoring, evidence is found showing non-compliance with this or other Annexes, the finding shall be dealt with as provided for by the relevant Annex.
- (g) <sup>F497</sup> ...

#### Textual Amendments

**F496** Word in Annex 5b point ML.B.303 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(12)(b)**

**F497** Annex 5b point ML.B.303(g) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(12)(c)**

#### ML.B.30~~3~~ Revocation, suspension and limitation

The competent authority shall:

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (a) suspend an ARC on reasonable grounds in the case of a potential safety threat; or
- (b) suspend or revoke an ARC pursuant to point (a) of point ML.B.903.

[<sup>F498</sup>The CAA must revoke the airworthiness review authorisation issued pursuant to point (c) of point ML.A.904] in inappropriate manner.

#### Textual Amendments

**F498** Words in Annex 5b point ML.B.304 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(12)(d)**

### SUBPART AIRWORTHINESS REVIEW CERTIFICATE ( ' ARC ' )

#### ML.B.902 Airworthiness review by the [<sup>F499</sup>CAA]

- (a) When the [<sup>F500</sup>CAA] carries out the airworthiness review and issues the ARC set out in Appendix IV to this Annex [<sup>F501</sup>(CAA Form 15c)], the [<sup>F502</sup>CAA] shall carry out an airworthiness review in accordance with point ML.A.903.
- (b) The [<sup>F503</sup>CAA] shall have appropriate airworthiness review staff to carry out the airworthiness reviews. These staff shall have acquired all of the following:
  - (1) at least 3 years of experience in continuing airworthiness;
  - (2) an appropriate licence in compliance with Annex III (Part-66) or a nationally-recognised maintenance personnel qualification appropriate to the aircraft category (when Article 5(6) of Regulation (EU) No 1321/2014 refers to [<sup>F504</sup>other relevant enactments]) or an aeronautical degree or equivalent;
  - (3) an appropriate aeronautical-maintenance training;
  - (4) a position that authorises that person to sign on behalf of the [<sup>F505</sup>CAA].

Notwithstanding points (1) to (4), the requirement of point ML.B.902(b)(2) may be replaced by 4 years of experience in continuing airworthiness, in addition to those already required by point ML.B.902(b)(1).

- (c) The [<sup>F506</sup>CAA] shall maintain a record of all airworthiness review staff, which shall include details of any appropriate qualification held together with a summary of relevant continuing airworthiness management experience and training.
- (d) [<sup>F14</sup>During the performance of the airworthiness review, the [<sup>F507</sup>CAA] shall have access to the applicable data as specified in points ML.A.305 and ML.A.401.]
- (e) The staff that carries out the airworthiness review shall issue an airworthiness review certificate [<sup>F508</sup>(CAA Form 15c)], as set out in Appendix IV, after satisfactory completion of the airworthiness review.
- (f) Whenever circumstances reveal the existence of a potential safety threat, the [<sup>F509</sup>CAA] shall carry out the airworthiness review and issue the ARC itself.



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

- F500** Word in Annex 5b point ML.B.902(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(a)(ii)(aa)**
- F501** Words in Annex 5b point ML.B.902(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(a)(ii)(bb)**
- F502** Word in Annex 5b point ML.B.902(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(a)(ii)(cc)**
- F503** Word in Annex 5b point ML.B.902(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(a)(iii)(aa)**
- F504** Words in Annex 5b point ML.B.902(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(a)(iii)(bb)**
- F505** Word in Annex 5b point ML.B.902(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(a)(iii)(cc)**
- F506** Word in Annex 5b point ML.B.902(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(a)(iv)**
- F507** Word in Annex 5b point ML.B.902(d) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(a)(iv)**
- F508** Words in Annex 5b point ML.B.902(e) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(a)(v)**
- F509** Word in Annex 5b point ML.B.902(f) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(a)(vi)**

#### Textual Amendments

- F499** Word in Annex 5b point ML.B.902 heading substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(a)(i)**

### ML.B.90 Findings

If during aircraft surveys or by other means, evidence is found showing non-compliance with requirements of this Annex, the [F510CAA] shall:

#### Textual Amendments

- F510** Word in Annex 5b point ML.B.902(f) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(13)(b)**

- (a) for Level 1 findings, require appropriate corrective action to be taken before further flight, and immediately revoke or suspend the ARC; and
- (b) for Level 2 findings, impose the corrective action appropriate to the nature of the finding.

#### Textual Amendments

- F483** Words in Annex 5b s. B heading substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(10)**

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## Appendix I

### Continuing-airworthiness management contract

- (a) When an owner contracts in accordance with point ML.A.201 a CAMO or CAO to carry out continuing airworthiness management tasks, upon request by the [F<sup>511</sup>CAA], a copy of the contract signed by both parties shall be sent by the owner to the [F<sup>512</sup>CAA].
- (b) The contract shall be developed taking into account the requirements of this Annex and shall define the obligations of the signatories in relation to the continuing airworthiness of the aircraft.
- (c) It shall contain, as a minimum the following information:
- (1) the aircraft registration, type and serial number;
  - (2) the aircraft owner's or registered lessee's name or company details including the address;
  - (3) details of the contracted CAMO or CAO, including the address;
  - (4) the type of operation.
- (d) It shall state the following:

The owner entrusts the CAMO or CAO with the management of the continuing airworthiness of the aircraft, the development and approval of a maintenance programme, and the organisation of the maintenance of the aircraft according to said maintenance programme.

According to the present contract, both signatories undertake to follow the respective obligations of this contract.

The owner declares, to the best of its knowledge, that all the information given to the CAMO or CAO concerning the continuing airworthiness of the aircraft is and will be accurate, and that the aircraft will not be altered without prior approval of the CAMO or CAO.

In case of any non-conformity with this contract, by either of the signatories, the contract will become null. In such a case, the owner will retain full responsibility for every task linked to the continuing airworthiness of the aircraft, and the owner will inform the [F<sup>513</sup>CAA] within 2 weeks about the termination of the contract.

- (e) When an owner contracts a CAMO or CAO in accordance with point ML.A.201, the obligations of each party shall be assigned as follows:
- (1) **Obligations of CAMO or CAO:**
    - (i) have the aircraft type included in its terms of approval;
    - (ii) respect all the conditions listed below with regard to maintaining the continuing airworthiness of the aircraft:
      - (A) develop and approve the AMP for the aircraft;
      - (B) once it has been approved, provide the owner with a copy of the AMP, as well as a copy of the justifications for any deviations from the DAH's recommendations;

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- (C) organise a bridging inspection using the aircraft's prior AMP;
  - (D) organise that all maintenance is carried out by an approved maintenance organisation or, if permitted, by independent certifying staff;
  - (E) organise that all applicable ADs are applied;
  - (F) organise that all defects discovered during maintenance, airworthiness reviews or reported by the owner are corrected by an approved maintenance organisation or, if permitted, by independent certifying staff;
  - (G) coordinate scheduled maintenance, the application of ADs, the replacement of service-life-limited parts, and component inspection requirements;
  - (H) inform the owner each time the aircraft must be brought to an approved maintenance organisation or, if permitted, to independent certifying staff;
  - (I) manage and archive all technical records;
  - (iii) organise the approval of any modification to the aircraft in accordance with Annex I to Regulation (EU) No 748/2012 (Part-21) before this modification is embodied;
  - (iv) organise the approval of any repair to the aircraft in accordance with Annex I to Regulation (EU) No 748/2012 (Part-21) before this repair is carried out;
  - (v) inform the [F514CAA] whenever the aircraft is not presented by the owner for maintenance as requested by the contracted CAMO or CAO;
  - (vi) inform the [F514CAA] whenever the present contract has not been respected;
  - (vii) ensure that the airworthiness review of the aircraft is carried out, when necessary, and ensure that the ARC is issued;
  - (viii) send within 10 days a copy of any ARC issued or extended to the [F514CAA];
  - (ix) carry out all occurrence reporting mandated by applicable regulations;
  - (x) inform the [F514CAA] whenever the present contract is denounced by either party.
- (2) **Obligations of the owner:**
- (i) have a general understanding of the AMP;
  - (ii) have a general understanding of this Annex;

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (iii) present the aircraft for maintenance as directed by the contracted CAMO or CAO;
- (iv) not modify the aircraft without first consulting the contracted CAMO or CAO;
- (v) inform the contracted CAMO or CAO of all maintenance exceptionally carried out without the knowledge and control of the contracted CAMO or CAO;
- (vi) report to the contracted CAMO or CAO through the logbook all defects found during operations;
- (vii) inform the [F514CAA] whenever the present contract is denounced by either party;
- (viii) inform the [F514CAA] and the contracted CAMO or CAO whenever the aircraft is sold;
- (ix) carry out all occurrence reporting mandated by applicable regulations;
- (x) inform on a regular basis the contracted CAMO or CAO about the aircraft flying-hours and any other utilisation data, as agreed with the contracted CAMO or CAO;
- (xi) enter the CRS in the logbooks, as mentioned in point ML.A.803(c), when performing pilot-owner maintenance;
- (xii) inform the contracted CAMO or CAO no later than 30 days after completion of any Pilot-owner maintenance task.

#### Textual Amendments

- F511** Word in Annex 5b Appendix 1 para. (a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(14)(a)(i)**
- F512** Word in Annex 5b Appendix 1 para. (a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(14)(a)(ii)**
- F513** Word in Annex 5b Appendix 1 para. (d) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(14)(b)**
- F514** Word in Annex 5b Appendix 1 para. (e) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **76(14)(c)**

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## Appendix II

### Limited pilot-owner maintenance

In addition to the requirements laid down in this Annex, the pilot-owner shall comply with the following basic principles before it carries out any maintenance task:

(a) **Competence and responsibility**

- (1) The pilot-owner shall always be responsible for any maintenance he performs.
- (2) The pilot-owner shall hold satisfactory level of competence to perform the task. It is the responsibility of a pilot-owner to familiarise himself with the standard maintenance practices for his aircraft and with the AMP.

(b) **Tasks**

The Pilot-owner may carry out simple visual inspections or operations to check the airframe, engines, systems and components for general condition, obvious damage and normal operation.

A maintenance task shall not be released by the pilot-owner if any of the following conditions occurs:

- (1) it is a critical maintenance task;
- (2) it requires the removal of major components or a major assembly;
- (3) it is carried out in compliance with an AD or an airworthiness limitation item (ALI) unless specifically allowed in the AD or the ALI;
- (4) it requires the use of special tools or calibrated tools (except for torque wrench and crimping tool);
- (5) it requires the use of test equipment or special testing (e.g. non-destructive testing (NDT), system tests or operational checks for avionics equipment);
- (6) it is composed of any unscheduled special inspections (e.g. heavy-landing check);
- (7) it affects systems essential for the instrumental flight rules (IFR) operations;
- (8) it is a complex maintenance task in accordance with Appendix III, or it is a component maintenance task in accordance with point (a) or (b) of point ML.A.502;
- (9) it is part of the 100-h/annual check (for those cases the maintenance task is combined with the airworthiness review performed by maintenance organisations or independent certifying staff).

The criteria referred to in points (1) to (9) cannot be overridden by less restrictive instructions issued in accordance with the AMP referred to in point ML.A.302.

Any task described in the aircraft flight manual (or other operational manuals), for example preparing the aircraft for flight (assembling the sailplane wings, or performing a preflight inspection, or assembling a basket, burner, fuel cylinders and an envelope combination for a balloon, etc.), is not considered a maintenance task and, therefore, does not require a CRS. Nevertheless, the person assembling those parts is responsible for ensuring that those parts are eligible for installation and in a serviceable condition.

(c) **Performance and records of the pilot-owner maintenance tasks**

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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The maintenance data, as specified in point ML.A.401, must always be available during the conduct of pilot-owner maintenance and must be complied with. Details of the data referred to in the conduct of pilot-owner maintenance must be included in the CRS in accordance with point (d) of point ML.A.803.

The pilot-owner must inform the contracted CAMO or CAO (if such contract exists) about the completion of the pilot-owner maintenance tasks no later than 30 days after completion of these tasks in accordance with point (a) of point ML.A.305.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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### Appendix III

#### **Complex maintenance tasks not to be released by the pilot-owner**

[<sup>F14</sup>All of the following constitutes the complex maintenance tasks which, according to Appendix II, shall not be carried out by the pilot-owner. Those tasks shall be released either by an approved maintenance organisation or by independent certifying staff:]

- (a) the modification, repair or replacement by riveting, bonding, laminating, or welding of any of the following airframe parts:
  - (1) a box beam;
  - (2) a wing stringer or chord member;
  - (3) a spar;
  - (4) a spar flange;
  - (5) a member of a truss type beam;
  - (6) the web of a beam;
  - (7) a keel or chine member of a flying boat hull or a float;
  - (8) a corrugated sheet compression member in a wing or tail surface;
  - (9) a wing main rib;
  - (10) a wing or tail surface brace strut;
  - (11) an engine mount;
  - (12) a fuselage longeron or frame;
  - (13) a member of a side truss, horizontal truss or bulkhead;
  - (14) a seat support brace or bracket;
  - (15) a seat rail replacement;
  - (16) a landing-gear strut or brace strut;
  - (17) an axle;
  - (18) a wheel; and
  - (19) a ski or ski pedestal, excluding the replacement of a low-friction coating;
- (b) the modification or repair of any of the following parts:
  - (1) aircraft skin or the skin of an aircraft float if the work requires the use of a support, jig or fixture;
  - (2) aircraft skin that is subject to pressurisation loads if the damage to the skin measures more than 15 cm (6 in.) in any direction;
  - (3) a load-bearing part of a control system, including a control column, pedal, shaft, quadrant, bell crank, torque tube, control horn and forged or cast bracket, but excluding:
    - (i) the swaging of a repair splice or cable fitting; and

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (ii) the replacement of a push-pull tube end fitting that is attached by riveting;
  - (4) any other structure not listed in point (a) that a manufacturer has identified as primary structure in their maintenance manual, structural repair manual or instructions for continuing airworthiness;
- (c) the performance of all of the following maintenance on a piston engine:
  - (1) dismantling and subsequent reassembling of a piston engine other than:
    - (i) to obtain access to the piston/cylinder assemblies; or
    - (ii) to remove the rear accessory cover to inspect and/or replace oil pump assemblies, where such work does not involve the removal and refitment of internal gears;
  - (2) dismantling and subsequent reassembling of reduction gears;
  - (3) welding and brazing of joints, other-than-minor weld repairs to exhaust units carried out by a suitably approved or authorised welder but excluding component replacement;
  - (4) the disturbing of individual parts of units which are supplied as bench-tested units except for the replacement or adjustment of items normally replaceable or adjustable in service;
- (d) the balancing of a propeller, except:
  - (1) for the certification of static balancing where required by the maintenance manual; and
  - (2) dynamic balancing on installed propellers using electronic balancing equipment where permitted by the maintenance manual or other approved airworthiness data;
- (e) any additional task that requires:
  - (1) specialised tooling, equipment or facilities; or
  - (2) significant coordination procedures because of the extensive duration of the tasks and the involvement of several persons.



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

F515F516 Appendix IV

**Airworthiness Review Certificate - [F517 CAA Form 15c]**

**NOTE:** persons and organisations performing the airworthiness review in combination with the 100-h/annual inspection may use the reverse side of this form in order to issue the CRS referred to in point ML.A.801 corresponding to the 100-h/annual inspection.]]

**AIRWORTHINESS REVIEW CERTIFICATE (ARC) (for aircraft complying with Annex Vb (Part-ML))**

ARC reference: .....

Pursuant to Regulation (EC) 2018/1139 of the European Parliament and of the Council:

[NAME OF THE COMPETENT AUTHORITY]

or

[NAME OF APPROVED ORGANISATION, ADDRESS and APPROVAL REFERENCE]

or

[FULL NAME OF THE CERTIFYING STAFF AND PART-66 LICENCE NUMBER (OR NATIONAL EQUIVALENT)]

hereby certifies that it has performed an airworthiness review in accordance with Regulation (EU) No 1321/2014 on the following aircraft:

Aircraft manufacturer: ..... Manufacturer's designation: .....

Aircraft registration: ..... Aircraft serial number: .....

and this aircraft is considered airworthy at the time of the review.

Date of issue: ..... Date of expiry: .....

Airframe flight hours (FH) at date of review (\*): .....

Signed: ..... Authorisation No (if applicable): .....

1st Extension: the aircraft complies with the conditions of point ML.A.901(c) of Annex Vb (Part-ML).

Date of issue: ..... Date of expiry: .....

Airframe flight hours (FH) at date of issue (\*): .....

Signed: ..... Authorisation No: .....

Company name: ..... Approval reference: .....

2nd Extension: the aircraft complies with the conditions of point ML.A.901(c) of Annex Vb (Part-ML).

Date of issue: ..... Date of expiry: .....

Airframe flight hours (FH) at date of issue (\*): .....

Signed: ..... Authorisation No: .....

Company name: ..... Approval reference: .....

(\* ) Except for balloons and airships.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

## [<sup>F120</sup>]<sup>X3</sup> ANNEX Vc

### (Part-CAMO)

#### SECTION A

### ORGANISATION REQUIREMENTS

#### CAMO.A.105 ~~Scope~~

This Section establishes the requirements to be met by an organisation to qualify for the issue or continuation of a certificate for the management of continuing airworthiness of an aircraft and of components for installation.

#### CAMO.A.105 ~~Competent authority~~

F518 ...

#### Textual Amendments

**F518** Annex 5c point CAMO.A.105 omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(3)(a)**

#### CAMO.A.115 ~~Application for an organisation certificate~~

- (a) The application for a certificate or an amendment to an existing certificate in accordance with this Annex shall be made in a form and manner established by the [<sup>F519</sup>CAA], taking into account the applicable requirements of Annex I (Part-M), Annex Vb (Part-ML) and this Annex.
- (b) Applicants for an initial certificate pursuant to this Annex shall provide the [<sup>F519</sup>CAA] with:
- (1) the results of a pre-audit performed by the organisation against the applicable requirements provided for in Annex I (Part-M), Annex Vb (Part-ML) and this Annex;
  - (2) documentation demonstrating how they will comply with the requirements established in this Regulation.

Such documentation shall include, as provided for in point CAMO.A.130, a procedure describing how changes not requiring prior approval will be managed and notified to the [<sup>F519</sup>CAA].

#### Textual Amendments

**F519** Word in Annex 5c point CAMO.A.115 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(3)(b)**

#### CAMO.A.120 ~~Means of compliance~~

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (a) Alternative means of compliance to the AMC adopted by the [F520CAA] may be used by an organisation to establish compliance with Regulation (EU) 2018/1139 and its delegated and implementing acts.
- (b) When an organisation wishes to use an alternative means of compliance, it shall, prior to using it, provide the [F521CAA] with a full description of the alternative means of compliance. The description shall include any revisions to manuals or procedures that may be relevant, as well as an assessment demonstrating compliance with Regulation (EU) 2018/1139 and its delegated and implementing acts.

The organisation may use these alternative means of compliance subject to prior approval by the [F521CAA], and upon receipt of the notification as provided for in point CAMO.B.120.

#### Textual Amendments

**F520** Word in Annex 5c point CAMO.A.120(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), [77\(3\)\(c\)\(i\)](#)

**F521** Word in Annex 5c point CAMO.A.120(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), [77\(3\)\(c\)\(ii\)](#)

#### CAMO.A.120 Terms of approval and privileges of the organisation

- (a) The approval is indicated on the certificate, which is included in Appendix I, and is issued by the [F522CAA].
- (b) Notwithstanding point (a), for air carriers licensed in accordance with Regulation (EC) No 1008/2008, the approval shall be part of the air operator certificate issued by the [F523CAA] for the aircraft operated.
- (c) The scope of work shall be specified in the continuing airworthiness management exposition (CAME) in accordance with point CAMO.A.300.
- (d) An organisation approved in accordance with this Annex may:
  - (1) manage the continuing airworthiness of aircraft, except those used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, as listed on the certificate;
  - (2) manage the continuing airworthiness of aircraft used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, when listed both on its certificate and on its air operator certificate;
  - (3) arrange to carry out limited continuing airworthiness tasks with any subcontracted organisation, working under its management system, as listed on the certificate;
  - (4) [F14extend an airworthiness review certificate under the conditions of point M.A.901(f) of Annex I (Part-M) or point ML.A.901(c) of Annex Vb (Part-ML), as applicable.]
  - (5) [F83approve the AMP, in accordance with point (b)(2) of point ML.A.302, for aircraft managed in accordance with Annex Vb (Part-ML).]

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (e) An organisation approved in accordance with this Annex <sup>F524</sup>..., may additionally be approved to carry out airworthiness reviews in accordance with point M.A.901 of Annex I (Part-M) or point ML.A.903 of Annex Vb (Part-ML) as applicable, and:
- (1) [<sup>F14</sup>issue the related airworthiness review certificate and extend it in due time under the conditions of point M.A.901(c)(2) and point M.A.901(e)(2) of Annex I (Part-M) or point ML.A.901(c) of Annex Vb (Part-ML), as applicable;]
  - (2) issue a recommendation for the airworthiness review to the [<sup>F525</sup>CAA], under the conditions of point (d) of point M.A.901 or point (b) of point M.A.904 of Annex I (Part-M).
- (f) An organisation holding the privileges referred to in point (e) may additionally be approved to issue a permit to fly in accordance with point (d) of point 21.A.711 of Annex I (Part-21) to Regulation (EU) No 748/2012 for the particular aircraft for which the organisation is approved to issue the airworthiness review certificate, when the organisation is attesting conformity with approved flight conditions, subject to an adequate procedure in the CAME referred to in point CAMO.A.300.

#### Textual Amendments

- F522** Word in Annex 5c point CAMO.A.125(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(3)(d)(i)**
- F523** Word in Annex 5c point CAMO.A.125(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(3)(d)(i)**
- F524** Words in Annex 5c point CAMO.A.125(e) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(3)(d)(ii)(aa)**
- F525** Word in Annex 5c point CAMO.A.125(e)(2) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(3)(d)(ii)(bb)**

#### CAMO.A.300 Changes to the organisation

- (a) The following changes to the organisation shall require prior approval:
- (1) changes that affect the scope of the certificate or the terms of approval of the organisation;
  - (2) changes to personnel nominated in accordance with points (a)(3) to (a)(5) and (b)(2) of point CAMO.A.305;
  - (3) changes to the reporting lines between the personnel nominated in accordance with points (a)(3) to (a)(5) and (b)(2) of point CAMO.A.305, and the accountable manager;
  - (4) the procedure as regards changes not requiring prior approval referred to in point (c).
- (b) For any changes requiring prior approval in accordance with Regulation (EU) 2018/1139 and its delegated and implementing acts, the organisation shall apply for and obtain an approval issued by the [<sup>F526</sup>CAA]. The application shall be submitted before any such change takes place, in order to enable the [<sup>F526</sup>CAA] to determine continued compliance with Regulation (EU) 2018/1139 and its delegated and implementing acts and to amend, if necessary, the organisation certificate and related terms of approval attached to it.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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The organisation shall provide the [F526CAA] with any relevant documentation.

The change shall only be implemented upon receipt of formal approval by the [F526CAA] in accordance with point CAMO.B.330.

The organisation shall operate under the conditions established by the [F526CAA] during such changes, as applicable.

- (c) All changes not requiring prior approval shall be managed and notified to the [F526CAA] as defined in the procedure referred to in point (b) of point CAMO.A.115 and approved by the [F526CAA] in accordance with point (h) of point CAMO.B.310.

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**Textual Amendments**

**F526** Word in Annex 5c point CAMO.A.130 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(3)(e)

**CAMO.A.135 Continued validity**

- (a) The organisation's certificate shall remain valid subject to compliance with all of the following conditions:
- (1) the organisation remaining in compliance with Regulation (EU) 2018/1139 and its delegated and implementing acts, taking into account the provisions related to the handling of findings as specified under point CAMO.B.350;
  - (2) the [F527CAA] being granted access to the organisation as specified in point CAMO.A.140;
  - (3) the certificate not being surrendered or revoked.
- (b) For air carriers licensed in accordance with Regulation (EC) No 1008/2008, termination, suspension or revocation of the air operator certificate automatically invalidates the organisation certificate in relation to the aircraft registrations specified in the air operator certificate, unless otherwise explicitly stated by the [F527CAA].
- (c) Upon revocation or surrender, the certificate shall be returned to the [F527CAA] without delay.

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**Textual Amendments**

**F527** Word in Annex 5c point CAMO.A.135 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(3)(e)

**CAMO.A.140 Access**

For the purpose of determining compliance with the relevant requirements of Regulation (EU) 2018/1139 and its delegated and implementing acts, the organisation shall grant access at any time to any facility, aircraft, document, records, data, procedures or any other material relevant to its activity subject to certification, whether it is contracted/subcontracted or not, to any person authorised by [F528the CAA].

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F528** Words in Annex 5c point CAMO.A.140 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(3)(f)

#### CAMO.A140 Findings

- (a) After receipt of notification of findings according to point CAMO.B.350, the organisation shall:
- (1) identify the root cause or causes of and contributing factors to the non-compliance;
  - (2) define a corrective action plan;
  - (3) demonstrate corrective action implementation to the satisfaction of the [F529CAA].
- (b) Actions referred to in points (a)(1), (a)(2) and (a)(3) shall be performed within the period agreed with [F530the CAA] as defined in point CAMO.B.350.

#### Textual Amendments

**F529** Word in Annex 5c point CAMO.A.150(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(3)(g)(i)

**F530** Words in Annex 5c point CAMO.A.150(b) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(3)(g)(ii)

#### CAMO.A145 Immediate reaction to a safety problem

The organisation shall implement:

- (a) any safety measures mandated by the [F531CAA] in accordance with point CAMO.B.135;
- (b) any relevant mandatory safety information issued by the [F532CAA].

#### Textual Amendments

**F531** Word in Annex 5c point CAMO.A.155(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(3)(h)(i)

**F532** Word in Annex 5c point CAMO.A.155(b) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(3)(h)(ii)

#### CAMO.A160 Occurrence reporting

- (a) As part of its management system the organisation shall implement an occurrence reporting system that meets the requirements defined in Regulation (EU) No 376/2014 and Implementing Regulation (EU) 2015/1018 <sup>(21)</sup>.
- (b) Without prejudice to point (a), the organisation shall ensure that any incident, malfunction, technical defect, exceeding of technical limitations, occurrence that would highlight inaccurate, incomplete or ambiguous information contained in data established in accordance with Annex I (Part-21) to Regulation (EU) No 748/2012 or

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other irregular circumstance that has or may have endangered the safe operation of the aircraft and that has not resulted in an accident or serious incident are reported to the [F533CAA] and to the organisation responsible for the design of the aircraft.

- (c) Without prejudice to Regulation (EU) No 376/2014 and Implementing Regulation (EU) 2015/1018, the reports referred to in points (a) and (b) shall be made in a form and manner established by the [F533CAA] and shall contain all pertinent information about the condition known to the organisation.
- (d) Reports shall be made as soon as possible, but in any case within 72 hours of the organisation identifying the condition to which the report relates, unless exceptional circumstances prevent this.
- (e) Where relevant, the organisation shall produce a follow-up report to provide details of actions it intends to take to prevent similar occurrences in the future, as soon as these actions have been identified. This report shall be produced in a form and manner established by the [F533CAA].

#### Textual Amendments

**F533** Word in [Annex 5c point CAMO.A.160](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(3)(i)**

#### CAMO.A.160 Management system

- (a) The organisation shall establish, implement, and maintain a management system that includes:
  - (1) clearly defined lines of responsibility and accountability throughout the organisation, including a direct safety accountability of the accountable manager;
  - (2) a description of the overall philosophies and principles of the organisation with regard to safety, referred to as the safety policy;
  - (3) the identification of aviation safety hazards entailed by the activities of the organisation, their evaluation and the management of associated risks, including taking actions to mitigate the risks and verify their effectiveness;
  - (4) maintaining personnel trained and competent to perform their tasks;
  - (5) documentation of all management system key processes, including a process for making personnel aware of their responsibilities and the procedure for amending this documentation;
  - (6) a function to monitor compliance of the organisation with the relevant requirements. Compliance monitoring shall include a feedback system of findings to the accountable manager to ensure effective implementation of corrective actions as necessary;
  - (7) any additional requirements that are laid down in this Regulation.
- (b) The management system shall correspond to the size of the organisation and the nature and complexity of its activities, taking into account the hazards and associated risks inherent in these activities.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (c) Where the organisation holds one or more additional organisation certificates within the scope of Regulation (EU) 2018/1139 and its delegated and implementing acts, the management system may be integrated with that required under the additional certificate(s) held.
- (d) Notwithstanding point (c), for air carriers licensed in accordance with Regulation (EC) No 1008/2008, the management system provided for in this Annex shall be an integrated part of the operator's management system.

#### **CAMO.A.160 Internal safety reporting scheme**

- (a) As part of its management system, the organisation shall establish an internal safety reporting scheme to enable the collection and evaluation of such occurrences to be reported under point CAMO.A.160.
- (b) The scheme shall also enable the collection and evaluation of those errors, near misses, and hazards reported internally that do not fall under point (a).
- (c) Through this scheme, the organisation shall:
  - (1) identify the causes of and contributing factors to any errors, near misses, and hazards reported and address them as part of safety risk management in accordance with point (a)(3) of point CAMO.A.200;
  - (2) ensure evaluation of all known, relevant information relating to errors, the inability to follow procedures, near misses, and hazards, and a method to circulate the information as necessary.
- (d) The organisation shall provide access to its internal safety reporting scheme to any subcontracted organisation.
- (e) The organisation shall cooperate on safety investigations with any other organisation having a significant contribution to the safety of its own continuing airworthiness management activities.

#### **CAMO.A.205 Contracting and subcontracting**

- (a) The organisation shall ensure that when contracting maintenance or when subcontracting any part of its continuing airworthiness management activities:
  - (1) these activities conform to the applicable requirements; and
  - (2) any aviation safety hazards associated with such contracting or subcontracting are considered as part of the organisation's management system.
- (b) When the organisation subcontracts any part of its continuing airworthiness management activities to another organisation, the subcontracted organisation shall work under the approval of the organisation. The organisation shall ensure that the <sup>F534</sup>CAA is given access to the subcontracted organisation, to determine continued compliance with the applicable requirements.

#### **Textual Amendments**

**F534** Word in Annex 5c point CAMO.A.205 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(3)(i)**



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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## CAMO.A.215 Facilities

The organisation shall provide suitable office accommodation at appropriate locations for the personnel specified in point CAMO.A.305.

## CAMO.A.220 Record-keeping

- (a) Continuing airworthiness management records
- (1) The organisation shall ensure that records required by points M.A.305, ML.A.305 and, if applicable point M.A.306, are retained.
  - (2) The organisation shall record all details of work carried out.
  - (3) If the organisation has the privilege referred to in point (e) of point CAMO.A.125, it shall retain a copy of each airworthiness review certificate and recommendation issued or, as applicable, extended, together with all supporting documents. In addition, the organisation shall retain a copy of any airworthiness review certificate that it has extended under the privilege referred to in point (d)(4) of point CAMO.A.125.
  - (4) If the organisation has the privilege referred to in point (f) of point CAMO.A.125, it shall retain a copy of each permit to fly issued in accordance with the provisions of point 21.A.729 of Annex I (Part-21) to Regulation (EU) No 748/2012.
  - (5) The organisation shall retain a copy of all records referred to in points (a)(2) to (a)(4) until 3 years after the responsibility for the aircraft in accordance with points M.A.201 or ML.A.201 has been permanently transferred to another person or organisation.
  - (6) Where the organisation terminates its operation, all retained records shall be transferred to the owner of the aircraft.
- (b) Management system, contracting and subcontracting records
- (1) The organisation shall ensure that the following records are retained:
    - (i) records of management system key processes as defined in point CAMO.A.200;
    - (ii) contracts, both for contracting and subcontracting, as defined in point CAMO.A.205;
  - (2) Management system records, as well as any contracts pursuant to point CAMO.A.205, shall be kept for a minimum period of 5 years.
- (c) Personnel records
- (1) The organisation shall ensure that the following records are retained:
    - (i) records of qualification and experience of personnel involved in continuing airworthiness management, compliance monitoring and safety management;
    - (ii) records of qualification and experience of all airworthiness review staff, as well as staff issuing recommendations and permits to fly.

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- (2) The records of all airworthiness review staff, staff issuing recommendations and staff issuing permits to fly shall include details of any appropriate qualification held together with a summary of the relevant continuing airworthiness management experience and training and a copy of the authorisation.
- (3) Personnel records shall be kept as long as the person works for the organisation, and shall be retained until 3 years after the person has left the organisation.
- (d) The organisation shall establish a system of record-keeping that allows adequate storage and reliable traceability of all activities developed.
- (e) The format of the records shall be specified in the organisation's procedures.
- (f) Records shall be stored in a manner that ensures protection from damage, alteration and theft.

#### **CAMO.A.300 Continuing airworthiness management exposition (CAME)**

- (a) The organisation shall provide the [F<sup>535</sup>CAA] with a CAME and, where applicable, any referenced associated manuals and procedures, containing all of the following information:
  - (1) a statement signed by the accountable manager confirming that the organisation will at all times work in accordance with this Annex, Annex I (Part-M) and Annex Vb (Part-ML), as applicable, and with the approved CAME. When the accountable manager is not the chief executive officer of the organisation, then such chief executive officer shall countersign the statement;
  - (2) the organisation's safety policy as defined in point (a)(2) of point CAMO.A.200;
  - (3) the organisation's scope of work relevant to the terms of approval;
  - (4) a general description of the manpower resources and of the system in place to plan the availability of staff as required by point (d) of point CAMO.A.305;
  - (5) the title(s) and name(s) of person(s) referred to in points (a)(3) to (a)(5), (b)(2) and (f) of point CAMO.A.305;
  - (6) the duties, accountabilities, responsibilities and authorities of the persons nominated under points (a)(3) to (a)(5), (b)(2), (e) and (f) of point CAMO.A.305;
  - (7) an organisation chart showing the associated chains of accountability and responsibility between all the person(s) referred to in points (a)(3) to (a)(5), (b)(2), (e) and (f) of point CAMO.A.305, and related to point (a)(1) of point CAMO.A.200;
  - (8) a list of staff authorised to issue airworthiness review certificates or recommendations referred to in point (e) of point CAMO.A.305, specifying, where applicable, the staff authorised to issue permits to fly in accordance with point (c) of point CAMO.A.125;

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- (9) a general description and location of the facilities;
  - (10) the description of the internal safety reporting scheme as required by point CAMO.A.202;
  - (11) the procedures specifying how the organisation ensures compliance with this Annex, Annex I (Part-M) and Annex Vb (Part-ML), as applicable, including in particular:
    - (i) the documentation of management system key processes as required by point CAMO.A.200;
    - (ii) procedures defining how the organisation controls any contracted and subcontracted activities as required by point CAMO.A.205 and point (c) of point CAMO.A.315);
    - (iii) continuing airworthiness management, airworthiness review and permit to fly procedures, as applicable;
    - (iv) the procedure defining the scope of changes not requiring prior approval and describing how such changes will be managed and notified, as required by point (b) of point CAMO.A.115 and point (c) of point CAMO.A.130;
    - (v) the CAME amendment procedures.
  - (12) the list of approved aircraft maintenance programmes for those aircraft for which a continuing airworthiness management contract exists in accordance with point M.A.201 or ML.A.201;
  - (13) the list of maintenance contracts in accordance with point (c) of point CAMO.A.315;
  - (14) the list of currently approved alternative means of compliance.
- (b) The initial issue of the CAME shall be approved by the [F535CAA]. It shall be amended as necessary to remain an up-to-date description of the organisation.
- (c) [F14 Amendments to the CAME shall be managed as defined in the procedures referred to in points (a)(11)(iv) and (a)(11)(v). Any amendments not included in the scope of the procedure referred to in point (a)(11)(iv), as well as amendments related to the changes listed in point CAMO.A.130(a), shall be approved by the [F535CAA].]

#### Textual Amendments

**F535** Word in [Annex 5c point CAMO.A.300](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(3)(i)**

#### CAMO.A.305 Personnel requirements

- (a) The organisation shall appoint an accountable manager, who has corporate authority for ensuring that all continuing airworthiness management activities can be financed and carried out in accordance with Regulation (EU) 2018/1139 and delegated and implementing acts adopted on the basis thereof. The accountable manager shall:

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- (1) ensure that all necessary resources are available to manage continuing airworthiness in accordance with this Annex, Annex I (Part-M) and Annex Vb (Part-ML), as applicable, to support the organisation approval certificate;
  - (2) establish and promote the safety policy specified in point CAMO.A.200;
  - (3) nominate a person or group of persons with the responsibility of ensuring that the organisation always complies with the applicable continuing airworthiness management, airworthiness review and permit to fly requirements of this Annex, Annex I (Part-M) and Annex Vb (Part-ML);
  - (4) nominate a person or group of persons with the responsibility for managing the compliance monitoring function as part of the management system;
  - (5) nominate a person or group of persons with the responsibility for managing the development, administration, and maintenance of effective safety management processes as part of the management system;
  - (6) ensure that the person or group of persons nominated in accordance with points (a)(3) to (a)(5) and (b)(2) of point CAMO.A.305 have direct access to keep him/her properly informed on compliance and safety matters;
  - (7) demonstrate a basic understanding of this Regulation.
- (b) For organisations also approved as air carriers licensed in accordance with Regulation (EC) No 1008/2008, the accountable manager shall in addition:
- (1) be the person appointed as accountable manager for the air carrier as required by point (a) of point ORO.GEN.210 of Annex III (Part-ORO) to Regulation (EU) No 965/2012;
  - (2) nominate a person responsible for the management and supervision of continuing airworthiness, who shall not be employed by an organisation approved in accordance with Annex II (Part-145) under contract to the operator, unless specifically agreed by the [<sup>F536</sup>CAA].
- (c) The person or persons nominated in accordance with points (a)(3) to (a)(5) and (b)(2) of point CAMO.A.305 shall be able to demonstrate relevant knowledge, background and satisfactory experience related to aircraft continuing airworthiness management and demonstrate a working knowledge of this Regulation. Such person(s) shall be ultimately responsible to the accountable manager.
- (d) The organisation shall have a system in place to plan the availability of staff to ensure that the organisation has sufficient appropriately qualified staff to plan, perform, supervise, inspect and monitor the organisation's activities in accordance with the terms of approval.
- (e) To be approved to carry out airworthiness reviews or recommendations in accordance with point (e) of point CAMO.A.125 and, if applicable, to issue permits to fly in accordance with point (f) of point CAMO.A.125, the organisation shall have airworthiness review staff qualified and authorised in accordance with point CAMO.A.310.
- (f) For organisations extending airworthiness review certificates in accordance with point (d)(4) of point CAMO.A.125, the organisation shall nominate persons authorised to do so.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (g) The organisation shall establish and control the competency of personnel involved in compliance monitoring, safety management, continuing airworthiness management, airworthiness reviews or recommendations, and, if applicable, issuing permits to fly, in accordance with a procedure and to a standard agreed by the [F536CAA]. In addition to the necessary expertise related to the job function, competency must include an understanding of safety management and human factors principles appropriate to the person's function and responsibilities in the organisation.

#### Textual Amendments

**F536** Word in Annex 5c point CAMO.A.305 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(3)(i)

#### CAMO.A.310 Airworthiness review staff qualifications

- (a) Airworthiness review staff issuing airworthiness review certificates or recommendations in accordance with point (e) of point CAMO.A.125 and, if applicable, issuing permits to fly in accordance with point (f) of point CAMO.A.125 shall have:
- (1) at least 5 years of experience in continuing airworthiness;
  - (2) acquired an appropriate licence in compliance with Annex (III) Part-66 or an aeronautical degree or a national equivalent;
  - (3) received formal aeronautical maintenance training;
  - (4) held a position within the approved organisation with appropriate responsibilities.
- (b) Notwithstanding points (a)(1), (a)(3) and (a)(4), the requirement laid down in point (a)(2) may be replaced with 5 years of experience in continuing airworthiness additional to those already required by point (a)(1).
- (c) Airworthiness review staff nominated by the organisation can only be issued an authorisation by that organisation when formally accepted by the [F537CAA] after satisfactory completion of an airworthiness review under the supervision of the [F537CAA], or under the supervision of the organisation's authorised airworthiness review staff, in accordance with a procedure approved by the [F537CAA] as part of the CAME.
- (d) The organisation shall ensure that aircraft airworthiness review staff can demonstrate appropriate, recent continuing airworthiness management experience.

#### Textual Amendments

**F537** Word in Annex 5c point CAMO.A.310 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(3)(i)

#### CAMO.A.311 Continuing airworthiness management

- (a) The organisation shall ensure that all continuing airworthiness management is carried out in accordance with Section A, Subpart C of Annex I (Part-M), or Section A Subpart C of Annex Vb (Part-ML), as applicable.

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- (b) For every aircraft managed, the organisation shall in particular:
- (1) ensure that an aircraft maintenance programme including any applicable reliability programme, as required by point M.A.302 or ML.A.302 as applicable, is developed and controlled;
  - (2) for aircraft not used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, provide a copy of the aircraft maintenance programme to the owner or operator responsible in accordance with point M.A.201 or ML.A.201 as applicable;
  - (3) ensure that data used for any modification and repairs complies with points M.A.304 or ML.A.304 as applicable;
  - (4) for all complex motor-powered aircraft or aircraft used by air carriers licensed in accordance with Regulation (EC) No 1008/2008, establish a procedure to assess non-mandatory modifications and/or inspections and decide on their application, making use of the organisation's safety risk management process as required by point (a)(3) of point CAMO.A.200;
  - (5) ensure that the aircraft, engine(s), propeller(s) and components thereof are taken to an appropriately approved maintenance organisation referred to in Subpart F of Annex I (Part-M), Annex II (Part-145) or Annex Vd (Part-CAO) whenever necessary;
  - (6) order maintenance, supervise activities, and coordinate related decisions to ensure that any maintenance is carried out properly and is appropriately released for the determination of aircraft airworthiness.
- (c) Where the organisation is not appropriately approved in accordance with Subpart F of Annex I (Part-M), Annex II (Part-145) or Annex Vd (Part-CAO) it shall, in consultation with the operator, manage the written maintenance contracts required by points (e)(3), (f)(3), (g)(3) and (h)(3) of M.A.201 or point ML.A.201 to ensure that:
- (1) all maintenance is ultimately carried out by an appropriately approved maintenance organisation;
  - (2) <sup>[F14]</sup>the functions required under points (b), (c), (f) and (g) of point M.A.301 of Annex I (Part-M) or point ML.A.301 of Annex Vb (Part-ML), as applicable, are clearly specified.]
- (d) Notwithstanding point (c), the contract may be in the form of individual work orders addressed to the maintenance organisation in the case of:
- (1) an aircraft requiring unscheduled line maintenance;
  - (2) component maintenance, including engine and propeller maintenance, as applicable.
- (e) The organisation shall ensure that human factors and human performance limitations are taken into account during continuing airworthiness management, including all contracted and subcontracted activities.

#### **CAMO.A.320 Airworthiness review**

When the organisation approved in accordance with point (e) of point CAMO.A.125 performs airworthiness reviews, they shall be performed in accordance with point M.A.901 of Annex I (Part-M) or point ML.A.903 of Annex Vb (Part-ML), as applicable.

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## [<sup>F14</sup>CAMO.C] **Continuing airworthiness management data**

The organisation shall hold and use applicable current maintenance data in accordance with point M.A.401 of Annex I (Part-M) or point ML.A.401 of Annex Vb (Part-ML), as applicable, for the performance of continuing airworthiness tasks referred to in point CAMO.A.315 of this Annex (Part-CAMO). That data may be provided by the owner or the operator, subject to an appropriate contract being established with such an owner or operator. In such case, the continuing airworthiness management organisation shall only keep such data for the duration of the contract, except when otherwise required by point CAMO.A.220(a).]

## SECTION B

### AUTHORITY REQUIREMENTS

#### CAMO.B.005 **Scope**

This Section establishes the administrative and management system requirements to be followed by the [<sup>F538</sup>CAA].

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#### **Textual Amendments**

**F538** Word in [Annex 5c point CAMO.B.005](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(4)(a)**

#### CAMO.B.016 **Oversight documentation**

The [<sup>F539</sup>CAA] shall provide all legislative acts, standards, rules, technical publications, and related documents to relevant personnel in order to allow them to perform their tasks and to discharge their responsibilities.

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#### **Textual Amendments**

**F539** Word in [Annex 5c point CAMO.B.115](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(4)(b)**

#### CAMO.B.120 **Means of compliance**

- (a) The [<sup>F540</sup>CAA] shall develop Acceptable Means of Compliance ( ‘ AMC ’ ) that may be used to establish compliance with Regulation (EU) 2018/1139 and its delegated and implementing acts.
- (b) Alternative means of compliance may be used to establish compliance with Regulation (EU) 2018/1139 and its delegated and implementing acts
- (c) The [<sup>F541</sup>CAA] shall establish a system to consistently evaluate that all alternative means of compliance used by itself or by organisations under its oversight allow for the establishment of compliance with Regulation (EU) No 2018/1139 and its delegated and implementing acts.
- (d) The [<sup>F542</sup>CAA] shall evaluate all alternative means of compliance proposed by an organisation in accordance with point CAMO.A.120 by analysing the documentation provided and, if considered necessary, conducting an inspection of the organisation.

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When the [F542CAA] finds that the alternative means of compliance are in accordance with Regulation (EU) 2018/1139 and its delegated and implementing acts, it shall without undue delay:

- (1) notify the applicant that the alternative means of compliance may be implemented and, if applicable, amend the approval or certificate of the applicant accordingly;
  - (2) F543 ...
- (e) When the [F544CAA] itself uses alternative means of compliance to achieve compliance with Regulation (EU) 2018/1139 and its delegated and implementing acts it shall:
- (1) make them available to all organisations and persons under its oversight;
  - (2) F545 ...
- F545 ...

#### Textual Amendments

- F540** Word in Annex 5c point CAMO.B.120(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(4)(c)(i)
- F541** Word in Annex 5c point CAMO.B.120(c) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(4)(c)(ii)
- F542** Word in Annex 5c point CAMO.B.120(d) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(4)(c)(ii)
- F543** Words in Annex 5c point CAMO.B.120(d) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(4)(c)(iii)
- F544** Word in Annex 5c point CAMO.B.120(e) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(4)(c)(iv)(aa)
- F545** Words in Annex 5c point CAMO.B.120(e) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(4)(c)(iv)(bb)

#### CAMO.B.117 Information to the Agency

F546 ...

#### CAMO.B.118 Immediate reaction to a safety problem

- (a) Without prejudice to Regulation (EU) No 376/2014 and Commission Implementing Regulation (EU) 2015/1018 <sup>(22)</sup>, the [F547CAA] shall implement a system to appropriately collect, analyse, and disseminate safety information.
- (b) F548 ...
- (c) Upon receiving the information referred to in [F549] point (a), the CAA] shall take adequate measures to address the safety problem.
- (d) Measures taken under point (c) shall immediately be notified to all persons or organisations which need to comply with them under Regulation (EU) 2018/1139 and its delegated and implementing acts. F550 ...



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

- F547** Word in Annex 5c point CAMO.B.135(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), [77\(4\)\(e\)\(i\)](#)
- F548** Annex 5c point CAMO.B.135(b) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), [77\(4\)\(e\)\(ii\)](#)
- F549** Words in Annex 5c point CAMO.B.135(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), [77\(4\)\(e\)\(iii\)](#)
- F550** Words in Annex 5c point CAMO.B.135(d) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), [77\(4\)\(e\)\(iv\)](#)

#### CAMO.B.200 Management system

- (a) The [<sup>F551</sup>CAA] shall establish and maintain a management system, including as a minimum:
- (1) documented policies and procedures to describe its organisation, means and methods to comply with Regulation (EU) 2018/1139 and its delegated and implementing acts. The procedures shall be kept up to date, and serve as the basic working documents within [<sup>F552</sup>the CAA] for all related tasks;
  - (2) a sufficient number of personnel to perform its tasks and discharge its responsibilities. A system shall be in place to plan the availability of personnel, in order to ensure the proper completion of all tasks;
  - (3) personnel qualified to perform their allocated tasks and have the necessary knowledge, experience, initial and recurrent training to ensure continuing competency;
  - (4) adequate facilities and office accommodation to perform the allocated tasks;
  - (5) a function to monitor compliance of the management system with the relevant requirements and adequacy of the procedures including the establishment of an internal audit process and a safety risk management process. Compliance monitoring shall include a feedback system of audit findings to the senior management of the [<sup>F553</sup>CAA] to ensure implementation of corrective actions as necessary;
  - (6) a person or group of persons ultimately responsible to the senior management of the [<sup>F553</sup>CAA] for the compliance monitoring function.
- (b) The [<sup>F554</sup>CAA] shall, for each field of activity, including management system, appoint one or more persons with the overall responsibility for the management of the relevant task(s).
- (c) <sup>F555</sup> ...
- (d) <sup>F556</sup> ...

#### Textual Amendments

- F551** Word in Annex 5c point CAMO.B.200(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), [77\(4\)\(f\)\(i\)\(aa\)](#)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- F552** Words in Annex 5c point CAMO.B.200(a)(1) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(f)(i)(bb)**
- F553** Word in Annex 5c point CAMO.B.200(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(f)(i)(cc)**
- F554** Word in Annex 5c point CAMO.B.200(b) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(f)(ii)**
- F555** Annex 5c point CAMO.B.200(c) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(f)(iii)**
- F556** Annex 5c point CAMO.B.200(d) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(f)(iii)**

### CAMO.B.206 Allocation of tasks to qualified entities

- (a) Tasks related to the initial certification, or continuing oversight of persons, or organisations subject to Regulation (EU) 2018/1139 and its delegated and implementing acts may be allocated by [<sup>F557</sup>the CAA] only to qualified entities. When allocating tasks, the [<sup>F558</sup>CAA] shall ensure that it has:
- (1) put a system in place to initially and continuously assess that the qualified entity complies with Annex VI ‘ Essential requirements for qualified entities ’ to Regulation (EU) 2018/1139. This system and the results of the assessments shall be documented;
  - (2) established a documented agreement with the qualified entity, approved by both parties at the appropriate management level, which clearly defines:
    - (i) the tasks to be performed;
    - (ii) the declarations, reports, and records to be provided;
    - (iii) the technical conditions to be met in performing such tasks;
    - (iv) the related liability coverage;
    - (v) the protection given to information acquired in carrying out such tasks.
- (b) The [<sup>F559</sup>CAA] shall ensure that the internal audit process and safety risk management process required by point (a)(5) of point CAMO.B.200 covers all certification, or continuing oversight tasks performed on its behalf.

#### Textual Amendments

- F557** Words in Annex 5c point CAMO.B.205(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(g)(i)(aa)**
- F558** Word in Annex 5c point CAMO.B.205(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(g)(i)(bb)**
- F559** Word in Annex 5c point CAMO.B.205(b) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(g)(ii)**

### CAMO.B.210 Changes in the management system

- (a) The [<sup>F560</sup>CAA] shall have a system in place to identify changes that affect its capability to perform its tasks and discharge its responsibilities as defined in Regulation (EU) 2018/1139 and its delegated and implementing acts. This system shall enable it to

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take action as appropriate to ensure that its management system remains adequate and effective.

- (b) The [<sup>F561</sup>CAA] shall update its management system to reflect any change to Regulation (EU) 2018/1139 and its delegated and implementing acts in a timely manner, so as to ensure effective implementation.
- (c) <sup>F562</sup> ...

#### Textual Amendments

- F560** Word in Annex 5c point CAMO.B.210(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(h)(i)**
- F561** Word in Annex 5c point CAMO.B.210(b) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(h)(i)**
- F562** Annex 5c point CAMO.B.210(c) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(h)(ii)**

#### CAMO.B.210 Record-keeping

- (a) The [<sup>F563</sup>CAA] shall establish a system of record-keeping that allows adequate storage, accessibility, and reliable traceability of:
- (1) the management system's documented policies and procedures;
  - (2) training, qualification, and authorisation of its personnel;
  - (3) the allocation of tasks, covering the elements required by point CAMO.B.205, as well as the details of tasks allocated;
  - (4) certification processes and continuing oversight of certified organisations, including:
    - (i) the application for an organisation certificate;
    - (ii) the [<sup>F564</sup>CAA's] continuing oversight programme, including all assessment, audit and inspection records;
    - (iii) the organisation certificate, including any changes thereto;
    - (iv) a copy of the oversight programme listing the dates when audits are due and when audits were carried out;
    - (v) copies of all formal correspondence;
    - (vi) details of findings, corrective actions, date of action closure, any exemption and enforcement actions;
    - (vii) <sup>F565</sup> ...
    - (viii) copies of all organisation CAMEs or manuals and amendments thereto;
    - (ix) copies of any other document approved by the [<sup>F566</sup>CAA];

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- (5) the evaluation <sup>F567</sup> ... of alternative means of compliance proposed by organisations, and the assessment of alternative means of compliance used by the [<sup>F568</sup>CAA] itself;
  - (6) safety information and follow-up measures in accordance with point CAMO.B.125;
  - (7) the use of flexibility provisions in accordance with Regulation (EU) 2018/1139 and its delegated and implementing acts.
- (b) The [<sup>F569</sup>CAA] shall maintain a list of all organisation certificates it issued.
  - (c) All records referred to in points (a) and (b) shall be kept for a minimum period of 5 years subject to applicable data protection law.
  - (d) <sup>F570</sup> ...

#### Textual Amendments

- F563** Word in Annex 5c point CAMO.B.220(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(i)(i)(aa)**
- F564** Word in Annex 5c point CAMO.B.220(a)(4)(ii) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(i)(i)(bb)**
- F565** Annex 5c point CAMO.B.220(a)(4)(vii) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(i)(i)(cc)**
- F566** Word in Annex 5c point CAMO.B.220(a)(4)(ix) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(i)(i)(dd)**
- F567** Words in Annex 5c point CAMO.B.220(a)(5) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(i)(i)(ee)**
- F568** Word in Annex 5c point CAMO.B.220(a)(5) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(i)(i)(ff)**
- F569** Word in Annex 5c point CAMO.B.220(b) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(i)(ii)**
- F570** Annex 5c point CAMO.B.220(d) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(i)(iii)**

#### CAMO.B.135 Oversight principles

- (a) The [<sup>F571</sup>CAA] shall verify:
  - (1) compliance with the requirements applicable to organisations prior to the issue of an organisation certificate, as applicable;
  - (2) continued compliance with the applicable requirements of organisations it has certified;
  - (3) implementation of appropriate safety measures mandated by the [<sup>F571</sup>CAA] as defined in points (c) and (d) of point CAMO.B.135.
- (b) This verification shall:
  - (1) be supported by documentation specifically intended to provide personnel responsible for safety oversight with guidance to perform their functions;

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- (2) provide the organisations concerned with the results of safety oversight activity;
  - (3) be based on assessments, audits and inspections, including unannounced inspections;
  - (4) provide the [<sup>F572</sup>CAA] with the evidence needed in case further action is required, including the measures provided for in point CAMO.B.350 ‘ Findings and corrective actions ’ .
- (c) The scope of oversight defined in points (a) and (b) shall take into account the results of past oversight activities and the safety priorities.
- (d) <sup>F573</sup> ...
- (e) <sup>F574</sup> ...
- (f) The [<sup>F575</sup>CAA] shall collect and process any information deemed useful for oversight, including for unannounced inspections.

#### Textual Amendments

- F571** Word in Annex 5c point CAMO.B.300(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(j)(i)**
- F572** Word in Annex 5c point CAMO.B.300(b) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(j)(i)**
- F573** Annex 5c point CAMO.B.300(d) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(j)(ii)**
- F574** Annex 5c point CAMO.B.300(e) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(j)(ii)**
- F575** Word in Annex 5c point CAMO.B.300(f) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(j)(iii)**

#### CAMO.B.300 Oversight programme

- (a) The [<sup>F576</sup>CAA] shall establish and maintain an oversight programme covering the oversight activities required by point CAMO.B.300.
- (b) The oversight programme shall be developed taking into account the specific nature of the organisation, the complexity of its activities, the results of past certification and/or oversight activities, and shall be based on the assessment of associated risks. It shall include within each oversight planning cycle:
- (1) assessments, audits and inspections, including unannounced inspections and, as applicable:
    - (i) management system assessments and process audits;
    - (ii) product audits of a relevant sample of aircraft managed by the organisation;
    - (iii) sampling of airworthiness reviews performed;
    - (iv) sampling of permits to fly issued;

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (2) meetings convened between the accountable manager and the [F576CAA] to ensure both remain informed of significant issues.
- (c) For organisations certified by the [F576CAA], an oversight planning cycle not exceeding 24 months shall be applied.
- (d) Notwithstanding point (c), the oversight planning cycle may be extended up to 36 months if the [F576CAA] has established that during the previous 24 months:
- (1) the organisation has demonstrated an effective identification of aviation safety hazards and management of associated risks;
  - (2) the organisation has continuously demonstrated under point CAMO.A.130 that it has full control over all changes;
  - (3) no level 1 findings have been issued;
  - (4) all corrective actions have been implemented within the time period accepted or extended by the [F576CAA] as defined in point CAMO.B.350.
- Notwithstanding point (c), the oversight planning cycle may be further extended to a maximum of 48 months if, in addition to the conditions provided in points (1) to (4) of the first subparagraph, the organisation has established, and the [F576CAA] has approved, an effective continuous reporting system to the [F576CAA] on the safety performance and regulatory compliance of the organisation itself.
- (e) The oversight planning cycle may be reduced if there is any evidence that the safety performance of the organisation has decreased.
- (f) The oversight programme shall include records of the dates when audits, inspections and meetings are due, and when such audits, inspections and meetings have been carried out.
- (g) At the completion of each oversight planning cycle, the [F576CAA] shall issue a recommendation report on the continuation of the approval reflecting the results of oversight.

#### Textual Amendments

**F576** Word in Annex 5c point CAMO.B.305 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(4)(k)

#### CAMO.B.111 Initial certification procedure

- (a) Upon receiving an application for the initial issue of a certificate for an organisation, the [F577CAA] shall verify the organisation's compliance with the applicable requirements.
- (b) A meeting with the accountable manager of the organisation shall be convened at least once during the investigation for initial certification to ensure that he/she fully understands the significance of the certification process and the reason for signing the statement of the organisation to comply with the procedures specified in the CAME.
- (c) The [F578CAA] shall record all findings, closure actions (actions required to close a finding) and recommendations.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (d) The [F579CAA] shall confirm in writing all the findings raised during the verification to the organisation. For initial certification, all findings must be corrected to the satisfaction of the [F579CAA] before the certificate can be issued.
- (e) When satisfied that the organisation complies with the applicable requirements, the [F580CAA] shall:
  - (1) issue the certificate as established in Appendix I [F581‘CAA Form 14’] to this Annex;
  - (2) formally approve the CAME.
- (f) The certificate reference number shall be included on the [F582CAA Form 14 certificate].
- (g) The certificate shall be issued for an unlimited duration. The privileges, scope of the activities that the organisation is approved to conduct, including any limitations as applicable, shall be specified in the terms of approval attached to the certificate.
- (h) To enable the organisation to implement changes without prior [F583CAA] approval in accordance with point (c) of point CAMO.A.130, the [F583CAA] shall approve the relevant CAME procedure defining the scope of such changes and describing how such changes will be managed and notified.

#### Textual Amendments

- F577** Word in Annex 5c point CAMO.B.310(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(I)(i)**
- F578** Word in Annex 5c point CAMO.B.310(c) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(I)(i)**
- F579** Word in Annex 5c point CAMO.B.310(d) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(I)(i)**
- F580** Word in Annex 5c point CAMO.B.310(e) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(I)(ii)(aa)**
- F581** Words in Annex 5c point CAMO.B.310(e) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(I)(ii)(bb)**
- F582** Words in Annex 5c point CAMO.B.310(f) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(I)(iii)**
- F583** Word in Annex 5c point CAMO.B.310(h) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **77(4)(I)(iv)**

#### CAMO.B.310 Changes

- (a) Upon receiving an application for a change that requires prior approval, the [F584CAA] shall verify the organisation's compliance with the applicable requirements before issuing the approval.
- (b) The [F584CAA] shall establish the conditions under which the organisation may operate during the change unless the [F584CAA] determines that the organisation's certificate needs to be suspended.
- (c) When satisfied that the organisation complies with the applicable requirements, the [F584CAA] shall approve the change.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (d) Without prejudice to any additional enforcement measures, when the organisation implements changes requiring prior approval without having received [F584CAA] approval pursuant to point (c), the [F584CAA] shall suspend, limit or revoke the organisation's certificate.
- (e) For changes not requiring prior approval, the [F584CAA] shall assess the information provided in the notification sent by the organisation in accordance with point (c) of point CAMO.A.130 to verify compliance with the applicable requirements. In case of any non-compliance, the [F584CAA] shall:
- (1) notify the organisation about the non-compliance and request further changes;
  - (2) in case of level 1 or level 2 findings, act in accordance with point CAMO.B.350.

#### Textual Amendments

**F584** Word in [Annex 5c point CAMO.B.330](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **77(4)(m)**

#### CAMO.B.350 Findings and corrective actions

- (a) The [F585CAA] shall have a system to analyse findings for their safety significance.
- (b) A level 1 finding shall be issued by the [F585CAA] when any significant non-compliance is detected with the applicable requirements of Regulation (EU) 2018/1139 and its delegated and implementing acts, with the organisation's procedures and manuals, or with the terms of an approval or certificate which lowers safety or seriously endangers flight safety.
- The level 1 findings shall include:
- (1) failure to give the [F585CAA] access to the organisation's facilities as defined in point CAMO.A.140 during normal operating hours and after two written requests;
  - (2) obtaining or maintaining the validity of the organisation certificate by falsification of submitted documentary evidence;
  - (3) evidence of malpractice or fraudulent use of the organisation certificate;
  - (4) the lack of an accountable manager.
- (c) A level 2 finding shall be issued by the [F585CAA] when any non-compliance is detected with the applicable requirements of Regulation (EU) 2018/1139 and its delegated and implementing acts, with the organisation's procedures and manuals, or with the terms of an approval or certificate which may lower safety or endanger flight safety.
- (d) When a finding is detected during oversight or by any other means, the [F585CAA] shall, without prejudice to any additional action required by Regulation (EU) 2018/1139 and its delegated and implementing acts, communicate the finding to the organisation in writing, and request corrective action to address the non-compliance(s)



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

identified. Where a finding directly relates to an aircraft, the [F585CAA] shall inform the State in which the aircraft is registered.

- (1) In the case of level 1 findings, the [F585CAA] shall take immediate and appropriate action to prohibit or limit activities and, if appropriate, it shall take action to revoke the certificate or to limit or suspend it in whole or in part, depending upon the extent of the level 1 finding until successful corrective action has been taken by the organisation.
- (2) In the case of level 2 findings, the [F585CAA] shall:
  - (i) grant the organisation a corrective action implementation period appropriate to the nature of the finding, that in any case initially shall not be more than 3 months. It shall commence from the date of the written communication of the finding to the organisation, requesting corrective action to address the non-compliance identified. At the end of this period, and subject to the nature of the finding and past safety performance of the organisation, the [F585CAA] may extend the 3-month period subject to a satisfactory corrective action plan agreed by the [F585CAA];
  - (ii) assess the corrective action and implementation plan proposed by the organisation, and if the assessment concludes that they are sufficient to address the non-compliance(s), accept these.
- (3) Where an organisation fails to submit an acceptable corrective action plan, or to perform the corrective action within the time period accepted or extended by the [F585CAA], the finding shall be raised to a level 1 finding and action taken as laid down in point (d)(1).
- (4) The [F585CAA] shall record all findings it has raised or that have been communicated to it in accordance with point (e) and, where applicable, the enforcement measures it has applied, as well as all corrective actions and date of action closure for findings.

(e) F586 ...

#### Textual Amendments

**F585** Word in Annex 5c point CAMO.B.350 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(4)(n)(i)

**F586** Annex 5c point CAMO.B.350(e) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(4)(n)(ii)

#### CAMO.B.355 **Suspension, limitation and revocation**

The [F587CAA] shall:

#### Textual Amendments

**F587** Word in Annex 5c point CAMO.B.355 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 77(4)(o)(i)

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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- (a) suspend a certificate on reasonable grounds in the case of potential safety threat;
- (b) suspend, revoke or limit a certificate pursuant to point CAMO.B.350;
- (c) suspend certificate in case the [<sup>F588</sup>CAA's] inspectors are unable over a period of 24 months to discharge their oversight responsibilities through on-site audit(s) due to the security situation in the State where the facilities are located.

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#### **Textual Amendments**

**F588** Word in Annex 5c point CAMO.B.355(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), [77\(4\)\(o\)\(ii\)](#)

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Appendix I

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**Continuing Airworthiness Management Organisation**

**Certificate - [F<sup>600</sup> CAA Form 14]]**

[MEMBER STATE (\*)]

A Member of the European Union (\*)

**CONTINUING AIRWORTHINESS MANAGEMENT ORGANISATION CERTIFICATE**

Reference: [MEMBER STATE CODE (\*)].CAMO.XXXX (Ref.: AOC XX.XXXX)

Pursuant to Regulation (EU) 2018/1139 of the European Parliament and of the Council of 4 July 2018 on common rules in the field of civil aviation and establishing a European Union Aviation Safety Agency and to Commission Regulation (EU) No 1321/2014 and subject to the conditions specified below, the [COMPETENT AUTHORITY OF THE MEMBER STATE\*] hereby certifies:

[COMPANY NAME AND ADDRESS]

as a continuing airworthiness management organisation in compliance with Section A of Annex Vc (Part-CAMO) to Commission Regulation (EU) No 1321/2014.

CONDITIONS:

1. This certificate is limited to the scope specified in the scope of work section of the approved continuing airworthiness management exposition (CAME) as referred to in Section A of Annex Vc (Part-CAMO) to Commission Regulation (EU) No 1321/2014.
2. This certificate requires compliance with the procedures specified in the CAME approved in accordance with Annex Vc (Part-CAMO) to Commission Regulation (EU) No 1321/2014.
3. This certificate is valid whilst the approved continuing airworthiness management organisation remains in compliance with Annex I (Part-M), Annex Vb (Part-ML) and Annex Vc (Part-CAMO) to Commission Regulation (EU) No 1321/2014.
4. Where the continuing airworthiness management organisation subcontracts under its management system the service of an (several) organisation(s), this certificate remains valid subject to such organisation(s) fulfilling the applicable contractual obligations.
5. Subject to compliance with the conditions 1 to 4 above, this certificate shall remain valid for an unlimited duration unless the certificate has previously been surrendered, superseded, suspended or revoked.

If this form is also used for air operator certificate (AOC) holders (air carriers licensed in accordance with Regulation (EC) No 1008/2008), the AOC number shall be added to the reference, in addition to the standard number, and condition No 5 shall be replaced with the following additional conditions:

6. This certificate does not constitute an authorisation to operate the types of aircraft referred to in condition No 1. The authorisation to operate the aircraft is the AOC.
7. Termination, suspension or revocation of the AOC of a air carrier licensed in accordance with Regulation (EC) No 1008/2008 automatically invalidates the present certificate in relation to the aircraft registrations specified in the AOC, unless otherwise explicitly stated by the competent authority.
8. Subject to compliance with the previous conditions, this certificate shall remain valid for an unlimited duration unless the certificate has previously been surrendered, superseded, suspended or revoked.

Date of original issue: .....

Signed: .....

Date of this revision: ..... Revision No: .....

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

Page ... of ...

(\*) Or 'EASA', if EASA is the competent authority.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

**CONTINUING AIRWORTHINESS MANAGEMENT ORGANISATION**

**TERMS OF APPROVAL**

Reference: [MEMBER STATE CODE (\*).CAMO.XXXX

(Ref.: AOC XX.XXXX)

Organisation: [COMPANY NAME AND ADDRESS]

Aircraft type/series/group	Airworthiness review authorised	Permits to fly authorised	Subcontracted organisation(s)
	[YES/NO] (***)	[YES/NO] (***)	
	[YES/NO] (***)	[YES/NO] (***)	
	[YES/NO] (***)	[YES/NO] (***)	
	[YES/NO] (***)	[YES/NO] (***)	

The terms of approval are limited to the scope of work contained in the approved CAME section .....

CAME reference: .....

Date of original issue: .....

Signed: .....

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

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

EASA Form 14 Issue 5

(\*) Or 'EASA', if EASA is the competent authority.

(\*\*) Delete for non-EU Member State or EASA.

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

**[<sup>F120</sup>]<sup>X3</sup> ANNEX Vd**

**(Part-CAO)**

**CAO.1 General**

For the purpose of this Annex (Part-CAO):

- (1) **F601** ...
- (2) 'owner' means the person responsible for the continuing airworthiness of the aircraft, including the following persons:
  - (i) the registered owner of the aircraft;
  - (ii) the lessee in the case of a leasing contract;
  - (iii) the operator.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

**F601** Annex 5d point CAO.1(1) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(3)**

## SECTION A

### ORGANISATION REQUIREMENTS

#### CAO.A.0Scope

This Annex establishes the requirements to be met by a combined airworthiness organisation (CAO) in order to be issued, upon application, an approval for the maintenance and continuing airworthiness management of aircraft and components for installation thereon, and to continue carrying out those activities, where such aircraft are not classified as complex motor-powered aircraft and are not listed in the air operator certificate of an air carrier licensed in accordance with Regulation (EC) No 1008/2008.

#### <sup>F602</sup>CAO.A.0Application

#### Textual Amendments

**F602** Deleted by Commission Implementing Regulation (EU) 2020/270 of 25 February 2020 amending Regulation (EU) No 1321/2014 as regards transitional measures for organisations involved in the continuing airworthiness for general aviation and continuing airworthiness management and correcting that Regulation (Text with EEA relevance).

#### CAO.A.0Means of compliance

- (a) [<sup>F14</sup>Alternative means of compliance to the acceptable means of compliance adopted by the [<sup>F603</sup>CAA] may be used by an organisation to demonstrate compliance with Regulation (EU) 2018/1139 and its delegated and implementing acts.]
- (b) When an organisation wishes to use alternative means of compliance, it shall, prior to using it, provide the [<sup>F604</sup>CAA] with a full description of those alternative means of compliance. That description shall include an assessment demonstrating compliance of alternative means of compliance with Regulation (EU) 2018/1139 and its delegated and implementing acts.

The organisation may use those alternative means of compliance subject to prior approval by the [<sup>F603</sup>CAA], and upon receipt of the notification as provided for in point CAO.B.017.

#### Textual Amendments

- F603** Word in Annex 5d point CAO.A.017(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(a)(i)**
- F604** Word in Annex 5d point CAO.A.017(b) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(a)(ii)**

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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## CAO.A.010 Terms of approval

- (a) The CAO shall specify the approved scope of work in its combined airworthiness exposition (CAE), as provided for in point CAO.A.025.
- (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 4 occupants, the scope of work shall indicate the particular aircraft types. Changes to this scope of work shall be approved by the [F605CAA] in accordance with point (a) of point CAO.A.105 and point (a) of point CAO.B.065.
  - (2) For complete turbine engines, 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 [F605CAA] 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 equipped with a turbine engine (in the case of aircraft-rated organisations);
    - (b) helicopters equipped with a turbine engine or with more than one piston engine (in the case of aircraft-rated organisations);
    - (c) complete piston engines of 450 HP and above (in the case of engine-rated organisations); and
    - (d) complete turbine engines (in the case of engine-rated organisations).
  - (4) For aircraft other than those mentioned in point (1), for components different from complete turbine engines and for non-destructive testing (NDT)-specialised services, the scope of work shall be controlled by the CAO in accordance with the procedure set out in point (a)(11) of point CAO.A.025. For maintenance of components different from complete engines, the scope of work shall be classified in accordance with the following system ratings:
    - (i) C1: air conditioning and pressurisation;
    - (ii) C2: auto flight;
    - (iii) C3: communications and navigation;
    - (iv) C4: doors and hatches;
    - (v) C5: electrical power and lights;
    - (vi) C6: equipment;
    - (vii) C7: engine;
    - (viii) C8: flight controls;
    - (ix) C9: fuel;
    - (x) C10: helicopter and rotors;

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (xi) C11: helicopter transmission;
- (xii) C12: hydraulic power;
- (xiii) C13: indicating and recording system;
- (xiv) C14: landing gear;
- (xv) C15: oxygen;
- (xvi) C16: propellers;
- (xvii) C17: pneumatic and vacuum systems;
- (xviii) C18: protection from ice/rain/fire;
- (xix) C19: windows;
- (xx) C20: structural;
- (xxi) C21: water ballast; and
- (xxii) C22: propulsion augmentation.

Organisations obtaining an approval in accordance with this Annex on the basis of an existing organisation approval issued in accordance with Subpart G or Subpart F of Annex I (Part-M) or Annex II (Part-145) in accordance with paragraph 4 of Article 4, shall include in the scope of work all the necessary details to ensure that the privileges are identical to the ones included in the existing approval.

- (b) The CAO approval shall be issued on the basis of the template set out in Appendix I to this Annex.
- (c) A CAO may fabricate, in conformity with maintenance data, a restricted range of parts for use in the course of undergoing work within its own facilities, as indicated in their CAE.

**Textual Amendments**

**F605** Word in Annex 5d point CAO.A.020 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(b)**

**CAO.A.025 Combined airworthiness exposition**

- (a) The CAO shall provide a manual containing at least the following information:
  - (1) a statement signed by the accountable manager confirming that the organisation will at all times work in accordance with the requirements of this Annex and the CAE;
  - (2) the CAE's scope of work;
  - (3) the title(s) and name(s) of the person(s) referred to in points (a) and (b) of point CAO.A.035;
  - (4) an organisation chart showing the chains of responsibility between the person(s) referred to in points (a) and (b) of CAO.A.035;

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (5) a list of certifying staff with their scope of approval, if such staff exist;
  - (6) a list of staff responsible for the development and approval of aircraft maintenance programmes (AMPs) with their scope of approval, if such staff exist;
  - (7) a list of airworthiness review staff with their scope of approval, if such staff exist;
  - (8) a list of staff responsible for the issuance of permits to fly, if such staff exist;
  - (9) a general description and location of the facilities;
  - (10) procedures specifying how the CAO shall ensure compliance with the requirements of this Annex;
  - (11) the CAE amendment procedure, as provided for in point (b) of point CAO.A.105.
- (b) The initial CAE shall be approved by the [F606CAA].
  - (c) Amendments to the CAE shall be handled in accordance with point CAO.A.105.

#### Textual Amendments

**F606** Word in Annex 5d point CAO.A.025 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 78(4)(b)

#### CAO.A.025 Facilities

The CAO shall ensure that all necessary facilities, including adequate office accommodation are provided for it to be able to carry out all the planned work.

In addition, where the scope of approval of the organisation includes maintenance activities, the CAO shall ensure that:

- (a) specialised workshops, hangars and bays provide adequate protection from contamination and the environment;
- (b) secure storage facilities are provided for components, equipment, tools and material, under conditions ensuring that unserviceable components and materials are segregated from all other components, material, equipment and tools, that the manufacturer's instructions for storage are complied with and that access to the storage facilities is restricted to authorised personnel.

#### CAO.A.026 Personnel requirements

- (a) The CAO shall appoint an accountable manager, who shall have an authority for ensuring that all activities of the organisation can be financed so that those activities are carried out in accordance with the requirements of this Annex.
- (b) The accountable manager shall nominate a person or group of persons who shall be responsible for ensuring that the CAO is always in compliance with the requirements of this Annex. Those person(s) shall ultimately be responsible to the accountable manager.



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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (c) All persons referred to in point (b) shall have the relevant knowledge, background and experience related to continuing airworthiness management or maintenance, as appropriate for their functions.
- (d) The CAO shall have sufficient appropriately qualified staff for it to be able to carry out the planned work. The CAO shall be entitled to use temporarily subcontracted staff.
- (e) The CAO shall assess and record the qualification of all personnel.
- (f) Personnel who carry out specialised tasks, such as welding, or non-destructive testing ( ‘ NDT ’ ) inspection other than colour contrast inspections shall be qualified in accordance with an officially-recognised standard

#### CAO.A.001 **Certifying staff**

- (a) Certifying staff shall comply with the requirements of Article 5. They shall only exercise their privileges to release maintenance if the CAO has ensured:
  - (1) that these certifying staff meet the requirements of point (b) of point 66.A.20 of Annex III (Part-66) except when paragraph 6 of Article 5 refers to [<sup>F607</sup>other relevant enactments], in which case, they shall meet the requirements of such [<sup>F608</sup>an enactment];
  - (2) that these certifying staff have an adequate understanding of the relevant aircraft or aircraft component(s) to be maintained, or both, as well as of the organisation procedures required to perform such maintenance.
- (b) By derogation from point (a), in unforeseen circumstances where an aircraft is grounded at a location other than the main base where no appropriate certifying staff are available, the CAO contracted to provide maintenance support may issue a one-off certification authorisation, alternatively:
  - (1) to one of their employees holding type qualifications for aircraft of similar technology, construction and systems;
  - (2) to any person with no less than 3 years of maintenance experience and holding a valid ICAO aircraft maintenance licence rated for the aircraft type requiring certification, provided that there is no organisation approved in accordance with this Annex at that location and that the contracted CAO obtains and holds on file evidence of the experience and licence of that person.

The issuance of a one-off certification authorisation shall be reported by the CAO to the [<sup>F609</sup>CAA] within 7 days of the issuance. The CAO issuing the one-off certification authorisation shall ensure that any such maintenance that could affect flight safety is rechecked.

- (c) By derogation from point (a), the CAO may use certifying staff qualified in accordance with the following requirements when providing maintenance support to operators involved in commercial operations, subject to appropriate procedures to be approved as part of the CAE:
  - (1) for a repetitive preflight airworthiness directive (AD) which specifically states that the flight crew may carry out such an AD, the CAO may issue a limited certifying-staff authorisation to the pilot-in-command on the basis of the flight crew licence held, provided that the CAO ensures that sufficient

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- practical training has been carried out by the pilot-in-command so he/she can accomplish the AD to the required standard;
- (2) in the case of aircraft operating away from a supported location, the CAO may issue a limited certifying-staff authorisation to the pilot-in-command, on the basis of the flight crew licence held, provided that the organisation ensures that sufficient practical training has been carried out so that such a commander can accomplish the task to the required standard.
- (d) The CAO shall record the details concerning certifying staff and maintain an up-to-date list of all certifying staff, together with details on their scope of approval, as part of the organisation's exposition.

#### Textual Amendments

- F607** Words in Annex 5d point CAO.A.040(a)(i) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(c)(i)(aa)**
- F608** Words in Annex 5d point CAO.A.040(a)(i) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(c)(i)(bb)**
- F609** Word in Annex 5d point CAO.A.040(b) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(c)(ii)**

#### CAO.A.040 Airworthiness review staff

- (a) In order for it to be approved to carry out airworthiness reviews and, if applicable, to issue permits to fly, a CAO shall have appropriate airworthiness review staff who shall comply with all of the following requirements:
- (1) they acquired experience in continuing airworthiness of at least 1 year for sailplanes and balloons and of at least 3 years for all other aircraft;
  - (2) they hold an appropriate licence issued in accordance with Article 5 of this Regulation or an aeronautical degree or equivalent or experience in continuing airworthiness in addition to the referred to in point (1) of at least 2 years for sailplanes and balloons and at least 4 years for all other aircraft;
  - (3) they acquired appropriate aeronautical-maintenance training.
- (b) Before the CAO issues an authorisation to an airworthiness review staff to perform airworthiness review, the CAO shall nominate the person who will perform an airworthiness review of an aircraft under supervision of the [F610CAA] or under the supervision of a person already authorised as airworthiness review staff of the CAO. If this supervision is satisfactory, the [F610CAA] shall formally accept the staff to become airworthiness review staff.
- (c) The CAO shall ensure that its airworthiness review staff can demonstrate appropriate recent continuing airworthiness experience.
- (d) Each airworthiness review staff shall be identified in the CAE in a list that contains the airworthiness review authorisation referred in point (b).
- (e) The CAO shall maintain a record of all its airworthiness review staff, which shall include details of any appropriate qualification and a summary of relevant continuing airworthiness experience and training of the person concerned, as well as a copy of

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

his or her authorisation. It shall retain that record for a period of at least 2 years after the date at which the person concerned no longer works for the CAO.

#### Textual Amendments

**F610** Word in [Annex 5d point CAO.A.045\(b\)](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(4)(d)**

#### CAO.A.060 **Components, equipment and tools**

- (a) The CAO shall:
- (1) hold the equipment and tools specified in the maintenance data provided for in point CAO.A.055, or verified equivalents as listed in the CAE, as necessary for day-to-day maintenance within the scope of the organisation's approval;
  - (2) have a procedure to ensure that it has access to all other equipment and tools necessary to carry out its work, used only on an occasional basis, where needed.
- (b) The CAO shall ensure that the tools and equipment it uses are controlled and calibrated to an officially recognised standard. It shall keep records of such calibrations and the standards used and comply with point CAO.A.090.
- (c) The CAO shall inspect, classify and appropriately segregate all incoming components in accordance with points M.A.501 and M.A.504 of Annex I (Part-M) or with points ML.A.501 and ML.A.504 of Annex Vb (Part-ML), as applicable.

#### CAO.A.070 **Maintenance data and work orders**

- (a) The CAO shall hold and use applicable current maintenance data specified in point M.A.401 of Annex I (Part-M) or in point ML.A.401 of Annex Vb (Part-ML), as applicable, in the performance of maintenance, including modifications and repairs. However, in the case of customer-provided maintenance data, it shall only be required to hold such data when the work is in progress.
- (b) Before the commencement of maintenance, a written work order shall be agreed between the CAO and the person or organisation requesting maintenance, in a manner that clearly establishes the maintenance to be carried out.

#### CAO.A.080 **Maintenance standards**

When performing maintenance, the CAO shall comply with all of the following requirements:

- (a) ensure that any person performing maintenance is qualified in accordance with the requirements of this Annex;
- (b) ensure that the area in which maintenance is carried out is well organised and clean (no dirt or contamination);
- (c) use the methods, techniques, standards and instructions specified in the maintenance data and work orders referred to in point CAO.A.055;
- (d) use the tools, equipment and material specified in point CAO.A.050;

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- (e) ensure that maintenance is performed in accordance with any environmental limitations specified in the maintenance data referred to in point CAO.A.055;
- (f) ensure that proper facilities are used in case of inclement weather or lengthy maintenance;
- (g) ensure that the risk of multiple errors during maintenance and the risk of errors being repeated in identical maintenance tasks are minimised;
- (h) ensure that an error-capturing method is implemented after the performance of any critical maintenance task;
- (i) perform a general verification after completion of maintenance in order to ensure that the aircraft or component is clear of all tools, equipment and any extraneous parts and material and that all access panels removed have been refitted;
- (j) ensure that all maintenance performed is properly recorded and documented.

#### CAO.A.060 **Aircraft certificate of release to service**

At the completion of any aircraft maintenance carried out in accordance with this Annex, an aircraft CRS shall be issued in accordance with point M.A.801 of Annex I (Part-M) or point ML.A.801 of Annex Vb (Part-ML), as applicable.

#### CAO.A.070 **Component certificate of release to service**

- (a) At the completion of all component maintenance in accordance with this Annex, a component CRS shall be issued in accordance with point M.A.802 of Annex I (Part-M) or point ML.A.802 of Annex Vb (Part-ML), as applicable. [F611 A CAA Form 1] shall be issued in accordance with Appendix II to Annex I (Part-M), except as provided for in points (b) or (d) of point M.A.502 of Annex I (Part-M) and point ML.A.502 of Annex Vb (Part-ML) and for components fabricated in accordance with point (c) of point CAO.A.020.
- (b) The [F612 CAA Form 1] referred to in point (a) may be generated from a computer database.

#### **Textual Amendments**

**F611** Words in Annex 5d point CAO.A.070(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(4)(e)(i)**

**F612** Words in Annex 5d point CAO.A.070(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(4)(e)(ii)**

#### CAO.A.075 **Continuing airworthiness management**

- (a) All continuing airworthiness management shall be carried out in accordance with the requirements of Subpart C of Annex I (Part-M) or Subpart C of Annex Vb (Part-ML), as applicable.
- (b) For every aircraft managed, the CAO shall:
  - (1) develop and control the AMP for the aircraft managed and:
    - (i) in the case of aircraft complying with Annex Vb (Part-ML), approve the AMP and its amendments, or

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (ii) in the case of aircraft complying with Annex I (Part-M), present the AMP and its amendments to the [F613CAA] for approval, unless the approval is covered by an indirect approval procedure in accordance with point (c) of point M.A.302 of Annex I (Part-M);
- (2) provide a copy of the AMP to the owner;
- (3) ensure that data used for any modification and repairs complies with points M.A.304 or ML.A.304, as applicable;
- (4) ensure that all maintenance is performed in accordance with the AMP and released in accordance with Section A, Subpart H of Annex I (Part-M), Section A of Annex II (Part-145) or Section A, Subpart H of Annex Vb (Part-ML), as applicable;
- (5) ensure that all applicable ADs and all operational directives with a continuing airworthiness impact are implemented;
- (6) ensure that all defects discovered during maintenance or reported are corrected by an appropriately approved maintenance organisation or by independent certifying staff;
- (7) ensure that the aircraft is brought for maintenance to an appropriately approved organisation or to independent certifying staff, whenever necessary;
- (8) coordinate the scheduled maintenance, application of ADs, replacement of service-life-limited parts and component inspection in order to ensure the work is carried out properly;
- (9) manage and archive all continuing-airworthiness records and, if applicable, the aircraft technical log;
- (10) ensure that the mass-and-balance statement reflects the current status of the aircraft.

#### Textual Amendments

**F613** Word in Annex 5d point CAO.A.075(b)(1)(ii) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(4)(f)**

#### [F14] CAO.A.080 **Continuing airworthiness management data**

The CAO shall hold and use applicable current maintenance data specified in point M.A.401 of Annex I (Part-M) or point ML.A.401 of Annex Vb (Part-ML), as applicable, for the performance of the continuing airworthiness management tasks referred to in point CAO.A.075 of this Annex (Part-CAO). That data may be provided by the owner, subject to a contract as referred in points M.A.201(h)(2) or M.A.201(i)(1) or M.A.201(i)(3) of Annex I (Part-M), or points ML.A.201(e)(1) or ML.A.201(f) of Annex Vb (Part-ML), in which case the CAO only needs to hold such data for the duration of the contract, unless where it is to retain the data pursuant to point CAO.A.090(b) of this Annex (Part-CAO).]

#### [F14] CAO.A.085 **Airworthiness review**

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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The CAO shall perform any airworthiness reviews in accordance with point M.A.901 of Annex I (Part-M) or point ML.A.903 of Annex Vb (Part-ML), as applicable.]

#### CAO.A.001 ~~Record-keeping~~

- (a) The CAO shall retain the following records:
- (1) the maintenance records necessary to demonstrate that all requirements of this Annex have been met for the issuance of the CRS, including the subcontractor's release documents; the CAO shall provide a copy of each CRS to the owner of the aircraft, together with a copy of any specific repair or modification data used for the repairs or modifications carried out;
  - (2) the continuing airworthiness management records required by any of the following:
    - (i) point M.A.305 and, if applicable, point M.A.306 of Annex I (Part-M);
    - (ii) point ML.A.305 of Annex Vb (Part-ML);
  - (3) where the CAO has the privilege referred to in point (c) of point CAO.A.095, it shall retain a copy of each airworthiness review certificate (ARC) issued in accordance with point (a) of point ML.A.901 of Annex Vb (Part-ML) and recommendation issued or, as applicable, extended, together with all supporting documents;
  - (4) where the CAO has the privilege referred to in point (d) of point CAO.A.095, it shall retain a copy of each permit to fly issued in accordance with point 21.A.729 of Annex I (Part-21) to Regulation (EU) No 748/2012.
- (b) The CAO shall retain a copy of the records described in point (a)(1), and any associated maintenance data, for a period of 3 years from the date at which it released to service the aircraft or aircraft component to which the work relates.
- (c) The CAO shall retain a copy of the records referred to in points (a)(2) to (a)(4) for a period of 2 years from the date at which the aircraft has been permanently withdrawn from service.
- (d) All records shall be stored in a manner that ensures protection from damage, alteration and theft.
- (e) All computer hardware used for backup of the maintenance records shall be stored in a different location from that containing those data and in an environment that ensures that they remain in good condition.
- (f) Where the continuing airworthiness management of an aircraft is transferred to another organisation or person, all the records retained under points (a)(2) to (a)(4) shall be transferred to that organisation or person. From the moment of the transfer, points (b) and (c) shall apply to that organisation or person.
- (g) Where the CAO terminates its operation, all retained records shall be transferred as follows:
- (1) the records referred to in point (a)(1) shall be transferred to the last owner or customer of the respective aircraft or component or shall be stored as specified by the [F614CAA];

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (2) the records referred to in point (a)(2) to (a)(4) shall be transferred to the owner of the aircraft.

#### Textual Amendments

**F614** Words in Annex 5d point CAO.A.090(g)(1) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 78(4)(f)

#### CAO.A.075 Privileges of the organisation

The CAO shall have the following privileges:

- (a) Maintenance
  - (1) Maintain any aircraft or component for which it is approved at the locations specified in the approval certificate and the CAE.
  - (2) Arrange for the performance of specialised services at another organisation appropriately qualified under the control of the CAO, in accordance with the appropriate procedures set out in the CAE and approved by the [F615CAA].
  - (3) Maintain any aircraft or component for which it is approved at any location, where the need of such maintenance arises either from the unserviceability of the aircraft or the need for supporting occasional maintenance, in accordance with the conditions specified in the CAE.
  - (4) Issue certificates of release to service upon completion of maintenance, in accordance with point CAO.A.065 or CAO.A.070.
- (b) Continuing airworthiness management
  - (1) Manage the continuing airworthiness of any aircraft for which it is approved.
  - (2) Approve the AMP, in accordance with point (b)(2) of point ML.A.302, for aircraft managed in accordance with Annex Vb (Part-ML).
  - (3) Carry out limited continuing airworthiness tasks with any contracted organisation working under their quality system, as listed on the approval certificate.
  - (4) [F14Extend, in accordance with point M.A.901(f) of Annex I (Part-M) or point ML.A.901(c) of Annex Vb (Part-ML), an ARC that has been issued by the [F616CAA], another organisation or person as applicable.]
- (c) Airworthiness review:
  - (1) A CAO with its principal place of business in [F617the United Kingdom], the approval of which includes the privileges referred to in point (b), may be approved to carry out airworthiness reviews in accordance with point M.A.901 of Annex I (Part-M) or point ML.A.903 of Annex Vb (Part-ML), as applicable, and:
    - (i) issue the related ARC or recommendation for the issuance of the ARC;
    - (ii) extend the validity of an existing ARC.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (2) A CAO with its principal place of business in [<sup>F617</sup>the United Kingdom], the approval of which includes the privileges referred to in point (a), may be approved to carry out airworthiness reviews in accordance with point ML.A.903 of Annex Vb (Part-ML) and issue the related ARC.
- (d) Permit to fly
- A CAO with its principal place of business in [<sup>F618</sup>the United Kingdom], the approval of which includes the privileges referred to in point (c), may be approved to issue a permit to fly in accordance with point (d) of point 21.A.711 of Annex I (Part-21) to Regulation (EU) No 748/2012 for those aircraft for which it can issue the ARC when it attests conformity with the approved flight conditions, in accordance with an adequate procedure provided for in the CAE.
- (e) A CAO may be approved for one or more privileges.

#### Textual Amendments

- F615** Word in Annex 5d point CAO.A.095(a)(2) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(g)(i)**
- F616** Word in Annex 5d point CAO.A.095(b)(4) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(g)(i)**
- F617** Words in Annex 5d point CAO.A.095(c) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(g)(ii)**
- F618** Words in Annex 5d point CAO.A.095(d) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(g)(ii)**

#### CAO.A.100 **Quality system and organisational review**

- (a) To ensure that the CAO continues to meet the requirements of this Annex, this organisation shall establish a quality system and designate a quality manager.
- (b) The quality system shall monitor the carrying out of the activities of the organisation covered by this Annex. It shall monitor in particular:
- (1) that all those activities are performed in accordance with the approved procedures;
  - (2) that all contracted maintenance tasks are carried out in accordance with the contract;
  - (3) that the organisation continues to comply with the requirements of this Annex.
- (c) The records of that monitoring shall be retained for at least the previous 2 years.
- (d) Where the organisation holding a CAO approval is additionally approved in accordance with an Annex other than this Annex, the quality system may be combined with that required by the other Annex.
- (e) A CAO shall be considered as a small CAO when one of the following condition is met:
- (1) The scope of the CAO does only contain aircraft covered by Part-ML.



**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (2) The CAO does not exceed 10 full-time equivalent staff involved in maintenance.
  - (3) The CAO does not exceed 5 full-time equivalent staff involved in continuing airworthiness management.
- (f) In the case of a small CAO, the quality system may be replaced by regular organisational reviews, subject to the approval of the [F619CAA]. In that case, the CAO shall not contract continuing airworthiness management tasks to other parties.

#### Textual Amendments

**F619** Word in Annex 5d point CAO.A.100(f) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 78(4)(h)

### CAO.A.10 Changes to the organisation

- (a) In order to enable the [F620CAA] to determine continued compliance with this Part, the approved maintenance organisation shall notify it 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) and in the case of helicopters of more than 1 200 kg MTOM or certified for more than 4 occupants;
  - (4) changes in the scope of work referred to in point (a)(2) of CAO.A.020 in the case of complete turbine engines;
  - (5) changes in the control procedure set out in point (b) of this point.
- (b) Any other changes in locations, facilities, equipment, tools, material, procedures, scope of work and staff shall be controlled by the CAO through a control procedure provided for in the CAE. The CAO shall submit a description of those changes and the corresponding CAE amendments to the [F620CAA] within 15 days from the day on which the change took place.

#### Textual Amendments

**F620** Word in Annex 5d point CAO.A.105 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), 78(4)(h)

### CAO.A.11 Continued validity

- (a) An approval shall be issued for an unlimited duration and shall remain valid subject to:
- (1) the organisation remaining in compliance with the requirements of this Annex, in particular how the findings are handled in accordance with point CAO.A.115;

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (2) the [F621CAA] being granted access to the organisation to determine continued compliance with the requirements of this Annex;
  - (3) the [F621CAA] not having surrendered or revoked the approval.
- (b) Upon surrender or revocation of the approval, the organisation shall return the approval certificate to the [F621CAA].

#### Textual Amendments

**F621** Word in Annex 5d point CAO.A.110 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(h)**

#### CAO.A.1 Findings

- (a) A Level 1 finding is any significant non-compliance with Part-CAO requirements which lowers the safety standard and seriously hazards flight safety.
- (b) A Level 2 finding is any non-compliance with the Part-CAO requirements which may lower the safety standard and possibly hazard flight safety.
- (c) After receiving a notification of a finding in accordance with point CAO.B.060, the CAO shall adopt a corrective action plan and demonstrate to the satisfaction of the [F622CAA] that it has taken the necessary corrective action to address the finding within the time period set by [F623the CAA].

#### Textual Amendments

**F622** Word in Annex 5d point CAO.A.115(c) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(i)(aa)**

**F623** Words in Annex 5d point CAO.A.115(c) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(4)(i)(bb)**

## SECTION B

### AUTHORITY REQUIREMENTS

#### CAO.B.0 Scope

This Section establishes the administrative requirements to be met by the [F624CAA] in connection to the requirements for organisations set out in Section A.

#### Textual Amendments

**F624** Word in Annex 5d point CAO.B.010 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(a)**

#### CAO.B.0 Means of compliance

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (a) The [F625CAA] shall develop Acceptable Means of Compliance ( ‘ AMC ’ ) that may be used to demonstrate compliance with Regulation (EU) 2018/1139 and its delegated and implementing acts.
- (b) Alternative means of compliance may be used to demonstrate compliance with Regulation (EU) 2018/1139 and its delegated and implementing acts
- (c) The [F626CAA] shall establish a system to consistently evaluate that all alternative means of compliance used by organisations under its oversight allow for the establishment of compliance with Regulation (EU) No 2018/1139 and its delegated and implementing acts.
- (d) The [F627CAA] shall evaluate all alternative means of compliance proposed by an organisation in accordance with point CAO.A.017 by analysing the documentation provided and, if considered necessary, conducting an inspection of the organisation.

When the [F627CAA] finds that the alternative means of compliance are in accordance with Regulation (EU) 2018/1139 and its delegated and implementing acts, it shall without undue delay:

- (1) notify the applicant that the alternative means of compliance may be used and, if applicable, amend the approval or certificate of the applicant accordingly;
- (2) F628 ...

#### Textual Amendments

- F625** Word in Annex 5d point CAO.B.017(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(5)(b)(i)**
- F626** Word in Annex 5d point CAO.B.017(c) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(5)(b)(ii)**
- F627** Word in Annex 5d point CAO.B.017(d) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(5)(b)(ii)**
- F628** Annex 5d point CAO.B.017(d)(2) omitted (31.12.2020) by virtue of [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(5)(b)(iii)**

#### CAO.B.017 Record-keeping

- (a) The [F629CAA] shall establish a system of record-keeping that allows adequate traceability of the process to keep the records for issuing, continuing, changing, suspending or revoking each issued certificate.
- (b) The records of the [F630CAA] for the oversight of organisations approved in accordance with this Annex shall include, as a minimum:
  - (1) the application for an organisation approval;
  - (2) the organisation approval certificate, including any changes thereto;
  - (3) a copy of the audit programme of the organisation, listing the dates at which audits were carried out and when they are due;
  - (4) the continuing-oversight records, including all audit records, as provide for in point CAO.B.055;

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (5) all findings, actions required to close the findings and recommendations;
  - (6) copies of all relevant correspondence with the organisation;
  - (7) details of any exemption in accordance with point CAO.B.035 and enforcement actions;
  - (8) <sup>F631</sup> ...
  - (9) CAE and its amendments;
  - (10) copies of any other document approved by the [<sup>F632</sup>CAA].
- (c) The retention period for the records listed under point (b) shall be at least 5 years.
- (d) <sup>F633</sup> ...

#### Textual Amendments

- F629** Word in Annex 5d point CAO.B.020(a) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(c)(i)**
- F630** Word in Annex 5d point CAO.B.020(b) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(c)(ii)(aa)**
- F631** Annex 5d point CAO.B.020(b)(8) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(c)(ii)(bb)**
- F632** Word in Annex 5d point CAO.B.020(b)(10) substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(c)(ii)(cc)**
- F633** Annex 5d point CAO.B.020(d) omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(c)(iii)**

#### CAO.B.02 Mutual exchange of information

<sup>F634</sup> ...

#### CAO.B.03 Responsibilities

The [<sup>F635</sup>CAA] shall conduct the necessary inspections and investigations in order to verify and ensure that the organisations for which it is responsible in accordance with point CAO.1 meets the requirements of Section A of this Annex.

#### Textual Amendments

- F635** Word in Annex 5d point CAO.B.030 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(e)**

#### CAO.B.04 Exemptions

Where [<sup>F636</sup>the CAA] grants an exemption from the requirements of this Annex in accordance with paragraph 2 of Article 71 of Regulation (EU) 2018/1139, the [<sup>F637</sup>CAA] shall record the exemption. It shall retain those records as provided for in point (b)(6) of point CAO.B.020.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

- F636** Words in Annex 5d point CAO.B.035 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(f)(i)**
- F637** Word in Annex 5d point CAO.B.035 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(f)(ii)**

#### CAO.B.040 Application

F638 ...

#### Textual Amendments

- F638** Annex 5d point CAO.B.040 omitted (31.12.2020) by virtue of The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(g)**

#### CAO.B.041 Initial certification procedure

- (a) Where it has been established that the organisation meets the requirements laid down in points (a) and (b) of CAO.A.035, the [F639CAA] shall formally notify the applicant about the acceptance of the personnel.
- (b) The [F639CAA] shall ensure that the procedures specified in the CAE comply with Section A, and that the accountable manager has signed the commitment statement referred to in point (a)(1) of CAO.A.025.
- (c) The [F639CAA] shall verify that the organisation complies with Section A.
- (d) The [F639CAA] shall convene a meeting with the accountable manager at least once during the investigation for approval to ensure that he or she fully understand the significance of the approval and the statement referred to in point (a)(1) of CAO.A.025
- (e) All findings in accordance with point CAO.B.060 shall be confirmed in writing to the applicant organisation.
- (g) Before issuing the approval the [F639CAA] shall close all be findings after the organisation has corrected them.
- (h) F602 ...

#### Textual Amendments

- F639** Word in Annex 5d point CAO.B.045 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(h)**

#### CAO.B.046 Issuance of the initial certificate

- (a) [F14Where the [F640CAA] has established that the applicant complies with point CAO.B.045, it shall issue the certificate, using the [F641CAA Form 3-CAO] template laid down in Appendix I and specifying the terms of approval.]
- (b) The [F642CAA] shall include the reference number of the CAO as specified in the [F643CAA Form 3-CAO] template laid down in Appendix I.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

#### Textual Amendments

- F640** Word in Annex 5d point CAO.B.050(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(5)(i)(i)(aa)**
- F641** Words in Annex 5d point CAO.B.050(a) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(5)(i)(i)(bb)**
- F642** Word in Annex 5d point CAO.B.050(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(5)(i)(ii)(aa)**
- F643** Words in Annex 5d point CAO.B.050(b) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(5)(i)(ii)(bb)**

#### CAO.B.055 **Continuing oversight**

- (a) The [F644CAA] shall establish and keep up-to-date, an oversight programme, specifying all CAOs to which it has issued a certificate and the dates at which it has audited and is scheduled to audit those CAOs.
- (b) The [F644CAA] shall audit, at, periods not exceeding 24 months each CAO to which it has issued an approval. Those audits shall concentrate, in particular, on the changes to the organisation notified to it in accordance with the procedure specified in point (b) of point CAO.A.105.
- (c) A relevant sample of the aircraft managed by the CAO, if the organisation is approved to do so, shall be surveyed at every 24-month period. The size of the sample shall be decided by the [F644CAA] based on the result of prior audits and earlier product surveys.
- (d) The [F644CAA] shall confirm in writing any finding during those audits to the CAO.
- (e) The [F644CAA] shall record any findings during those audits, any actions required to close the findings and any recommendations issued.
- (f) The [F644CAA] shall convey a meeting with the accountable manager of the CAO at least once every 24 months.

#### Textual Amendments

- F644** Word in Annex 5d point CAO.B.055 substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(5)(j)**

#### CAO.B.060 **Findings**

- (a) When during audits or by any other means, evidence is found showing non-compliance to the Part-CAO requirements, the [F645CAA] shall take the following actions:
- (1) for Level 1 findings, immediate action shall be taken by the [F645CAA] to revoke, limit or suspend in whole or in part, depending upon the extent of the Level 1 finding, the CAO approval, until successful corrective action has been taken by the organisation; and
  - (2) for Level 2 findings, the [F645CAA] shall grant a corrective action period of no more than 3 months, appropriate to the nature of the finding — in

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certain circumstances, at the end of this first period and subject to the nature of the finding, the [F645CAA] can extend this 3-month period subject to a satisfactory corrective action plan.

- (b) Action shall be taken by the [F645CAA] to suspend in whole or in part the approval in case of failure to comply within the timescale set out by the [F645CAA].

**Textual Amendments**

**F645** Word in Annex 5d point CAO.B.060 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(j)**

**CAO.B.065 Changes**

- (a) Upon receiving an application for a change in accordance with point (a) of point CAO.A.105, the [F646CAA] shall verify the organisation's compliance with the applicable requirements before issuing the approval of the change.
- (b) The [F646CAA] may indicate the conditions under which the CAO shall operate during the change unless the [F646CAA] determines that the organisation's certificate shall be suspended because of the nature or extent of the changes.
- (c) For changes not requiring prior approval, the [F646CAA] shall assess during the oversight activities that the CAO complies with the approved control procedure provided for in point (b) of point CAO.A.105 and complies with the applicable requirements.

**Textual Amendments**

**F646** Word in Annex 5d point CAO.B.065 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(j)**

**CAO.B.070 Suspension, limitation and revocation**

The [F647CAA] shall:

**Textual Amendments**

**F647** Word in Annex 5d point CAO.B.070 substituted (31.12.2020) by The Aviation Safety (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1116), regs. 1(2), **78(5)(j)**

- (a) suspend an approval on reasonable grounds in the case of a potential safety threat; or
- (b) suspend, revoke or limit an approval pursuant to point CAO.B.060.

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## Appendix I

F648F649F650F651F652F653F654F655F656F657F658

### Combined airworthiness organisation (CAO)

#### certificate — [F659 CAA Form 3-CAO]

- (a) Within the approval class(es) and rating(s) established by the [F660 CAA], the scope of work specified in the CAE defines the exact limits of approval. It is therefore essential that the approval class(es) and rating(s) and the organisations scope of work are matching.
- (b) An **aircraft rating**, in relation to the maintenance privileges, means that the CAO may carry out maintenance on the aircraft and any component (including engines), in accordance with aircraft maintenance data or, if agreed by the [F660 CAA], in accordance with component maintenance data, only whilst such components are fitted to the aircraft. Nevertheless, such **aircraft-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 (b). This will be subject to a control procedure in the CAE to be approved by the [F660 CAA].
- (c) An **engine rating (turbine, piston or electrical)** 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 [F660 CAA], 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 [F660 CAA].
- (d) A **component rating (other-than-complete engines)** means that the CAO may carry out maintenance on uninstalled components (excluding complete engines) intended for fitment to the aircraft or engine. This CAO may also carry out maintenance on an installed component (other-than-complete engines) during base and line maintenance or at an engine maintenance facility subject to a control procedure in the CAE to be approved by the [F660 CAA].
- (e) An **non-destructive testing (NDT) rating** is a self-contained rating not necessarily related to a specific aircraft, engine or other component. The NDT rating is only necessary for a CAO that carries out NDT as a particular task for another organisation. A CAO approved with an aircraft, engine or component rating may carry out NDT on products they are maintaining subject to the CAE containing NDT procedures, without the need for an NDT rating.]]

#### Textual Amendments

**F660** Word in [Annex 5d Appendix 1](#) substituted (31.12.2020) by [The Aviation Safety \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1116\)](#), regs. 1(2), **78(6)(b)**



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[MEMBER STATE (\*)]

A Member State of the European Union (\*\*)

**COMBINED AIRWORTHINESS ORGANISATION CERTIFICATE**

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

Pursuant to Regulation (EU) 2018/1139 of the European Parliament and of the Council of 4 July 2018 on common rules in the field of civil aviation and establishing a European Union Aviation Safety Agency and to Regulation (EU) No 1321/2014 and subject to the conditions specified below, the [COMPETENT AUTHORITY OF THE MEMBER STATE (\*)] hereby certifies:

[COMPANY NAME AND ADDRESS]

as a combined airworthiness organisation in compliance with Section A of Annex Vd (Part-CAO) to Regulation (EU) No 1321/2014.

CONDITIONS:

- (a) this approval is limited to that specified in the terms of approval attached, and in the 'Scope of work' Section of the approved combined airworthiness exposition, as referred to in Section A of Annex Vd (Part-CAO) to Regulation (EU) No 1321/2014; and
- (b) this approval requires compliance with the procedures specified in the approved combined airworthiness exposition; and
- (c) this approval is valid whilst the approved combined airworthiness organisation remains in compliance with Annex Vd (Part-CAO) to Regulation (EU) No 1321/2014; and
- (d) where the approved combined airworthiness organisation contracts out, under their quality system, the service of one or several organisations, this approval remains valid subject to such organisation(s) fulfilling applicable contractual obligations; and
- (e) subject to compliance with the foregoing conditions, this approval shall remain valid for an unlimited duration unless the approval has previously been surrendered, superseded, suspended or revoked.

Date of original issue of the approval certificate: .....

Date of this revision of the approval certificate: .....

Revision No: .....

Signed: .....

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

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

(\*\*) Delete for non-EU Member States or EASA.

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Page 2 of 2		
<b>COMBINED AIRWORTHINESS ORGANISATION TERMS OF APPROVAL</b>		
Reference: [MEMBER STATE CODE (*)].CAO.XXXX		
Organisation: [COMPANY NAME AND ADDRESS]		
CLASS	RATING	PRIVILEGES (***)
<b>AIRCRAFT (**)</b>	Aeroplanes — other-than-complex motor-powered aircraft (**)	<input type="checkbox"/> Maintenance <input type="checkbox"/> Continuing-airworthiness management <input type="checkbox"/> Airworthiness review <input type="checkbox"/> Permit to fly
	Aeroplanes up to 2 730 kg maximum take-off mass (MTOM) (**)	<input type="checkbox"/> Maintenance <input type="checkbox"/> Continuing airworthiness management <input type="checkbox"/> Airworthiness review <input type="checkbox"/> Permit to fly
	Helicopters — other-than-complex motor-powered aircraft (**)	<input type="checkbox"/> Maintenance <input type="checkbox"/> Continuing airworthiness management <input type="checkbox"/> Airworthiness review <input type="checkbox"/> Permit to fly
	Helicopters up to 1 200 kg MTOM, certified for a maximum of up to 4 occupants (**)	<input type="checkbox"/> Maintenance <input type="checkbox"/> Continuing airworthiness management <input type="checkbox"/> Airworthiness review <input type="checkbox"/> Permit to fly
	Airships (**)	<input type="checkbox"/> Maintenance <input type="checkbox"/> Continuing airworthiness management <input type="checkbox"/> Airworthiness review <input type="checkbox"/> Permit to fly
	Balloons (**)	<input type="checkbox"/> Maintenance <input type="checkbox"/> Continuing airworthiness management <input type="checkbox"/> Airworthiness review <input type="checkbox"/> Permit to fly
	Sailplanes (**)	<input type="checkbox"/> Maintenance <input type="checkbox"/> Continuing airworthiness management <input type="checkbox"/> Airworthiness review <input type="checkbox"/> Permit to fly
<b>COMPONENTS (**)</b>	Complete turbine engines (**)	<input type="checkbox"/> Maintenance
	Complete piston engines (**)	
	Electrical engines (**)	
	Components other than complete engines (**)	
<b>SPECIALISED SERVICES (**)</b>	Non-destructive testing (NDT) (**)	▶ <sup>(1)</sup> <input type="checkbox"/> NDT ◀

**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

<b>LIMITATIONS</b>
<b>(to be included only for organisations rated for aeroplanes, helicopters or complete engines, if they only have one person planning and performing all maintenance tasks)</b>
The following maintenance is excluded from the scope of work (***):
<ul style="list-style-type: none"> <li>— maintenance on aeroplanes equipped with a turbine engine;</li> <li>— maintenance on helicopters equipped with a turbine engine or with more than one piston engine; and</li> <li>— maintenance on complete piston engines of 450 HP and above, and on complete turbine engines.</li> </ul>
<b>List of organisation(s) working under a quality system (***)</b>
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 1

## ANNEX VI

### Correlation Table

<b>Regulation (EC) No 2042/2003</b>	<b>This Regulation</b>
Article 1	Article 1
Article 2	Article 2
Article 3(1), (2) and (3)	Article 3(1), (2) and (3)
Article 3(4)	—
Article 4	Article 4

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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Article 5	Article 5
Article 6	Article 6
—	Article 7
Article 7(1)	Article 8(1)
Article 7(2)	—
Article 7(3), introductory wording	Article 8(2), introductory wording
Article 7(3)(a) to (g)	—
Article 7(3)(h)	Article 8(2)(a)
Article 7(3)(i)	Article 8(2)(b)
Article 7(4)	—
Article 7(5)	Article 8(3)
Article 7(6)	—
Article 7(7)	—
Article 7(8)	Article 8(4)
Article 7(9)	Article 8(5)
Article 8	Article 9
Annex I	Annex I
Annex II	Annex II
Annex III	Annex III
Annex IV	Annex IV
—	Annex V
—	Annex VI

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

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- (1) OJ L 79, 19.3.2008, p. 1.
- (2) OJ L 315, 28.11.2003, p. 1.
- (3) See Annex V.
- (4) OJ L 224, 21.8.2012, p. 1.
- (5) Opinion No 07/2011 of the European Aviation Safety Agency of 13<sup>th</sup> December 2011, available at <http://easa.europa.eu/agency-measures/opinions.php>
- (6) Opinion of the European Aviation Safety Agency Committee, 23 September 2003.
- (7) [<sup>F1</sup>Regulation (EC) No 1008/2008 of the European Parliament and of the Council of 24 September 2008 on common rules for the operation of air services in the Community (OJ L 293, 31.10.2008, p. 3).]
- (8) [<sup>F9</sup>Commission Regulation (EU) No 965/2012 of 5 October 2012 laying down technical requirements and administrative procedures related to air operations pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council (OJ L 296, 25.10.2012, p. 1).]
- (9) [<sup>F9</sup>Commission Regulation (EU) No 1178/2011 of 3 November 2011 laying down technical requirements and administrative procedures related to civil aviation aircrew pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council (OJ L 311, 25.11.2011, p. 1).]
- (10) [<sup>F12</sup>[<sup>X1</sup>Commission Regulation (EU) No 748/2012 of 3 August 2012 laying down implementing rules for the airworthiness and environmental certification of aircraft and related products, parts and appliances, as well as for the certification of design and production organisations (OJ L 224, 21.8.2012, p. 1).]]
- (11) [<sup>F14</sup>Council Regulation (EEC) No 3922/91 of 16 December 1991 on the harmonization of technical requirements and administrative procedures in the field of civil aviation (OJ L 373, 31.12.1991, p. 4).]
- (12) [<sup>F1</sup>[<sup>F12</sup>[<sup>X1</sup>[<sup>F14</sup>Regulation (EC) No 1008/2008 of the European Parliament and of the Council of 24 September 2008 on common rules for the operation of air services in the Community (OJ L 293, 31.10.2008, p. 3).]]]]
- (13) [<sup>F1</sup>[<sup>F12</sup>[<sup>X1</sup>[<sup>F14</sup>Commission Regulation (EU) No 1178/2011 of 3 November 2011 laying down technical requirements and administrative procedures related to civil aviation aircrew pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council (OJ L 311, 25.11.2011, p. 1).]]]]
- (14) [<sup>F12</sup>[<sup>X1</sup>Regulation (EU) No 376/2014 of the European Parliament and of the Council of 3 April 2014 on the reporting, analysis and follow-up of occurrences in civil aviation, amending Regulation (EU) No 996/2010 of the European Parliament and of the Council and repealing Directive 2003/42/EC of the European Parliament and of the Council and Commission Regulations (EC) No 1321/2007 and (EC) No 1330/2007 (OJ L 122, 24.4.2014, p. 18).]]
- (15) For the purpose of this point 4, a ‘chapter’ means each one of the rows preceded by a number in the table contained in point 3.1(e).
- (16) For the purpose of this point 5, a ‘chapter’ means each one of the rows preceded by a number in the tables contained in points 3.1(e) and 3.2(b).
- (17) [<sup>F120</sup>[<sup>X3</sup>Commission Implementing Regulation (EU) 2018/1976 of 14 December 2018 laying down detailed rules for the operation of sailplanes pursuant to Regulation (EU) 2018/1139 of the European Parliament and of the Council (OJ L 326, 20.12.2018, p. 64).]]
- (18) [<sup>F120</sup>[<sup>X3</sup>[<sup>F14</sup>Commission Regulation (EU) No 965/2012 of 5 October 2012 laying down technical requirements and administrative procedures related to air operations pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council (OJ L 296, 25.10.2012, p. 1).]]]
- (19) [<sup>F120</sup>[<sup>X3</sup>[<sup>F14</sup>Commission Regulation (EU) 2018/395 of 13 March 2018 laying down detailed rules for the operation of balloons pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council (OJ L 71, 14.3.2018, p. 10).]]]

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**Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

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- (20) <sup>F120</sup><sup>X3</sup><sup>F14</sup>Commission Implementing Regulation (EU) 2018/1976 of 14 December 2018 laying down detailed rules for the operation of sailplanes pursuant to Regulation (EU) 2018/1139 of the European Parliament and of the Council (OJ L 326, 20.12.2018, p. 64).]]]
- (21) <sup>F120</sup><sup>X3</sup>Regulation (EU) 2015/1018 of 29 June 2015 laying down a list classifying occurrences in civil aviation to be mandatorily reported according to Regulation (EU) No 376/2014 of the European Parliament and of the Council (OJ L 163, 30.6.2015, p. 1).]]
- (22) <sup>F120</sup><sup>X3</sup>Regulation (EU) 2015/1018 of 29 June 2015 laying down a list classifying occurrences in civil aviation to be mandatorily reported according to Regulation (EU) No 376/2014 of the European Parliament and of the Council (OJ L 163, 30.6.2015, p. 1).]]

### Editorial Information

- X1** Substituted by [Corrigendum to Commission Implementing Regulation \(EU\) 2019/1383 of 8 July 2019 amending and correcting Regulation \(EU\) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management \(Official Journal of the European Union L 228 of 4 September 2019\)](#).
- X3** Inserted by [Corrigendum to Commission Implementing Regulation \(EU\) 2019/1383 of 8 July 2019 amending and correcting Regulation \(EU\) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management \(Official Journal of the European Union L 228 of 4 September 2019\)](#).

### Textual Amendments

- F1** Substituted by [Commission Regulation \(EU\) 2015/1536 of 16 September 2015 amending Regulation \(EU\) No 1321/2014 as regards alignment of rules for continuing airworthiness with Regulation \(EC\) No 216/2008, critical maintenance tasks and aircraft continuing airworthiness monitoring \(Text with EEA relevance\)](#).
- F9** Inserted by [Commission Regulation \(EU\) 2015/1536 of 16 September 2015 amending Regulation \(EU\) No 1321/2014 as regards alignment of rules for continuing airworthiness with Regulation \(EC\) No 216/2008, critical maintenance tasks and aircraft continuing airworthiness monitoring \(Text with EEA relevance\)](#).
- F12** Substituted by [Commission Implementing Regulation \(EU\) 2019/1383 of 8 July 2019 amending and correcting Regulation \(EU\) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management \(Text with EEA relevance\)](#).
- F14** Substituted by [Commission Implementing Regulation \(EU\) 2020/270 of 25 February 2020 amending Regulation \(EU\) No 1321/2014 as regards transitional measures for organisations involved in the continuing airworthiness for general aviation and continuing airworthiness management and correcting that Regulation \(Text with EEA relevance\)](#).
- F120** Inserted by [Commission Implementing Regulation \(EU\) 2019/1383 of 8 July 2019 amending and correcting Regulation \(EU\) No 1321/2014 as regards safety management systems in continuing airworthiness management organisations and alleviations for general aviation aircraft concerning maintenance and continuing airworthiness management \(Text with EEA relevance\)](#).

**Changes to legislation:**

There are outstanding changes not yet made to Commission Regulation (EU) No 1321/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations.

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**Changes and effects yet to be applied to :**

- Annex 1 Point M.A.608 Point (c) replacement by [EUR 2018/1142 Regulation](#)
- Annex 1 point M.A.802(a) substituted by [S.I. 2023/588 reg. 17\(2\)\(b\)](#)
- Annex 1 point M.A.801(d) word substituted by [S.I. 2023/588 reg. 17\(2\)\(a\)](#)
- Annex 1 point M.A.901(e) words substituted by [S.I. 2023/588 reg. 17\(3\)](#)
- Annex 3 point 66.A.20(b)(1) substituted by [S.I. 2023/588 reg. 26\(a\)](#)
- Annex 3 point 66.B.500(8) substituted by [S.I. 2023/588 reg. 27\(4\)](#)
- Annex 3 point 66.A.25(a) word substituted by [S.I. 2023/588 reg. 26\(b\)](#)
- Annex 3 point 66.B.120(b)(2) words substituted by [S.I. 2023/588 reg. 27\(2\)](#)
- Annex 2 point 145.A.37 inserted by [S.I. 2023/588 reg. 22\(9\)](#)
- Annex 2 point 145.A.47(d) inserted by [S.I. 2023/588 reg. 22\(12\)\(b\)](#)
- Annex 2 point 145.A.61 inserted by [S.I. 2023/588 reg. 22\(14\)](#)
- Annex 2 point 145.A.120-145.A.205 inserted by [S.I. 2023/588 reg. 22\(21\)](#)
- Annex 2 point 145.A.30(k)(1)-(7) omitted by [S.I. 2023/588 reg. 22\(6\)\(c\)\(ii\)](#)
- Annex 2 point 145.A.36 omitted by [S.I. 2023/588 reg. 22\(8\)](#)
- Annex 2 point 145.A.80 omitted by [S.I. 2023/588 reg. 22\(18\)](#)
- Annex 2 point 145.A.15 substituted by [S.I. 2023/588 reg. 22\(4\)](#)
- Annex 2 point 145.A.20 substituted by [S.I. 2023/588 reg. 22\(5\)](#)
- Annex 2 point 145.A.30(a)-(e) substituted by [S.I. 2023/588 reg. 22\(6\)\(a\)](#)
- Annex 2 point 145.A.30(j)(1)-(4) substituted by [S.I. 2023/588 reg. 22\(6\)\(b\)\(ii\)](#)
- Annex 2 point 145.A.35(d)-(f) substituted by [S.I. 2023/588 reg. 22\(7\)\(a\)](#)
- Annex 2 point 145.A.35(h)-(o) substituted by [S.I. 2023/588 reg. 22\(7\)\(b\)](#)
- Annex 2 point 145.A.45(a)-(e) substituted by [S.I. 2023/588 reg. 22\(11\)](#)
- Annex 2 point 145.A.47(b) substituted by [S.I. 2023/588 reg. 22\(12\)\(a\)](#)
- Annex 2 point 145.A.48 substituted by [S.I. 2023/588 reg. 22\(13\)](#)
- Annex 2 point 145.A.65 substituted by [S.I. 2023/588 reg. 22\(15\)](#)
- Annex 2 point 145.A.70 substituted by [S.I. 2023/588 reg. 22\(16\)](#)
- Annex 2 point 145.A.75(a)(b) substituted by [S.I. 2023/588 reg. 22\(17\)\(b\)](#)
- Annex 2 point 145.A.75(f) substituted by [S.I. 2023/588 reg. 22\(17\)\(c\)](#)
- Annex 2 point 145.A.90 substituted by [S.I. 2023/588 reg. 22\(19\)](#)
- Annex 2 point 145.A.95 substituted by [S.I. 2023/588 reg. 22\(20\)](#)
- Annex 2 point 145.A.10 word inserted by [S.I. 2023/588 reg. 22\(3\)](#)
- Annex 2 point 145.A.75 word substituted by [S.I. 2023/588 reg. 22\(17\)\(a\)](#)
- Annex 2 point 145.A.30(j) words inserted by [S.I. 2023/588 reg. 22\(6\)\(b\)\(i\)](#)
- Annex 2 point 145.A.42(a)(i) words inserted by [S.I. 2023/588 reg. 22\(10\)\(a\)\(i\)](#)
- Annex 2 point 145.A.30(k) words substituted by [S.I. 2023/588 reg. 22\(6\)\(c\)\(i\)](#)
- Annex 2 point 145.A.42(a)(i) words substituted by [S.I. 2023/588 reg. 22\(10\)\(a\)\(ii\)](#)
- Annex 2 point 145.A.42(b)(iv) words substituted by [S.I. 2023/588 reg. 22\(10\)\(b\)](#)
- Art. 3(5) words substituted by [S.I. 2023/588 reg. 13](#)
- Art. 4 words inserted by [S.I. 2023/588 reg. 14](#)
- Art. 4(2) words substituted by [S.I. 2019/645 reg. 239\(2\)](#) (This amendment not applied to legislation.gov.uk. Reg. 239 omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 16)
- Art. 4(3) words substituted by [S.I. 2019/645 reg. 239\(2\)](#) (This amendment not applied to legislation.gov.uk. Reg. 239 omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 16)
- Art. 4(4) words substituted by [S.I. 2019/645 reg. 239\(3\)](#) (This amendment not applied to legislation.gov.uk. Reg. 239 omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 16)
- Art. 5(1) word substituted by [S.I. 2023/588 reg. 15\(2\)\(a\)](#)
- Art. 5(1) words inserted by [S.I. 2023/588 reg. 15\(2\)\(c\)](#)

- Art. 5(1) words omitted by [S.I. 2023/588 reg. 15\(2\)\(b\)](#)
- Art. 8(7) omitted by [S.I. 2023/588 reg. 16](#)
- Art. 9 heading words substituted by [S.I. 2019/645 reg. 243\(2\)](#) (This amendment not applied to legislation.gov.uk. Reg. 243 omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 17)
- Art. 9(1) word substituted by [S.I. 2019/645 reg. 243\(3\)\(a\)](#) (This amendment not applied to legislation.gov.uk. Reg. 243 omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 17)
- Art. 9(1) words omitted by [S.I. 2019/645 reg. 243\(3\)\(b\)](#) (This amendment not applied to legislation.gov.uk. Reg. 243 omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 17)
- Art. 9(2) word substituted by [S.I. 2019/645 reg. 243\(4\)](#) (This amendment not applied to legislation.gov.uk. Reg. 243 omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 17)
- Art. 9(3) word substituted by [S.I. 2019/645 reg. 243\(4\)](#) (This amendment not applied to legislation.gov.uk. Reg. 243 omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 17)

#### **Changes and effects yet to be applied to the whole legislation item and associated provisions**

- Annex 1 Appendix 4 point 12 Annex 1 Appendix 4 point 13 renumbered as Annex 1 Appendix 4 point 12 by [S.I. 2023/588 reg. 19\(5\)](#)
- Annex 1 Appendix 3 CAA Form 15b substituted by [S.I. 2023/588 reg. 18](#)
- Annex 1 Appendix 4 point 1 2 substituted by [S.I. 2023/588 reg. 19\(3\)](#)
- Annex 1 Appendix 4 point 8-11 substituted for Annex 1 Appendix 4 points 8-12 by [S.I. 2023/588 reg. 19\(4\)](#)
- Annex 1 Appendix 4 heading words omitted by [S.I. 2023/588 reg. 19\(2\)\(b\)](#)
- Annex 1 Appendix 4 point 12 table words omitted by [S.I. 2023/588 reg. 19\(6\)](#)
- Annex 1 Appendix 4 heading words substituted by [S.I. 2023/588 reg. 19\(2\)\(a\)](#)
- Annex 1 Appendix 7 words substituted by [S.I. 2023/588 reg. 20](#)
- Annex 3 Subpart E word substituted by [S.I. 2023/588 reg. 27\(3\)](#)
- Annex 3 Appendix 5 point 2 words substituted by [S.I. 2023/588 reg. 28](#)
- Annex 2 s. B substituted by [S.I. 2023/588 reg. 23](#)
- Annex 2 Appendix 2 substituted by [S.I. 2023/588 reg. 24](#)
- Annex 2 s. A heading words inserted by [S.I. 2023/588 reg. 22\(2\)](#)
- Annex 1 Table of Contents word substituted by [S.I. 2019/645 reg. 246\(1\)\(b\)\(iv\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 1 point M.A.202(b) word substituted by [S.I. 2019/645 reg. 247\(3\)\(b\)](#) (This amendment not applied to legislation.gov.uk. Reg. 247(3) omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 18)
- Annex 1 point M.A.302(g) word substituted by [S.I. 2019/645 reg. 248\(3\)\(d\)](#) (This amendment not applied to legislation.gov.uk. Reg. 248(3)(d) omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 19(3)(c))
- Annex 1 point M.A.302(h) word substituted by [S.I. 2019/645 reg. 248\(3\)\(e\)\(i\)](#) (This amendment not applied to legislation.gov.uk. Reg. 248(3)(e) substituted immediately before IP completion day by S.I. 2020/1116, regs. 1(3), 19(3)(d))
- Annex 1 point M.A.302(h) word substituted by [S.I. 2019/645 reg. 248\(3\)\(e\)\(ii\) \(aa\)](#) (This amendment not applied to legislation.gov.uk. Reg. 248(3)(e) substituted immediately before IP completion day by S.I. 2020/1116, regs. 1(3), 19(3)(d))
- Annex 1 point M.A.305(d) word substituted by [S.I. 2019/645 reg. 248\(5\)\(a\)](#) (This amendment not applied to legislation.gov.uk. Reg. 248(5)(a) substituted immediately before IP completion day by S.I. 2020/1116, regs. 1(3), 19(4))
- Annex 1 point M.A.306 word substituted by [S.I. 2019/645 reg. 248\(6\)](#) (This amendment not applied to legislation.gov.uk. Reg. 248(6) omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 19(5))



- Annex 1 point M.A.615 word substituted by [S.I. 2019/645 reg. 251\(5\)](#)
- Annex 1 point M.A.708(b) word substituted by [S.I. 2019/645 reg. 252\(4\)](#)
- Annex 1 point M.A.710(a) word substituted by [S.I. 2019/645 reg. 252\(5\)\(a\)](#)
- Annex 1 point M.A.710(f) word substituted by [S.I. 2019/645 reg. 252\(5\)\(c\)](#)
- Annex 1 point M.A.710(h) word substituted by [S.I. 2019/645 reg. 252\(5\)\(d\)](#)
- Annex 1 point M.A.901(l) word substituted by [S.I. 2019/645 reg. 254\(2\)\(c\)\(i\)](#) (This amendment not applied to legislation.gov.uk. Reg. 254(2)(c) omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 22(a)(ii))
- Annex 1 point M.A.901(l) word substituted by [S.I. 2019/645 reg. 254\(2\)\(c\)\(iii\)](#) (This amendment not applied to legislation.gov.uk. Reg. 254(2)(c) omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 22(a)(ii))
- Annex 1 point M.A.901(l) word substituted by [S.I. 2019/645 reg. 254\(2\)\(c\)\(iv\)](#) (This amendment not applied to legislation.gov.uk. Reg. 254(2)(c) omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 22(a)(ii))
- Annex 1 point M.A.904(e) word substituted by [S.I. 2019/645 reg. 254\(5\)\(d\)](#) (This amendment not applied to legislation.gov.uk. Reg. 254(5)(d) omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 22(b)(ii))
- Annex 1 point M.B.104(b) word substituted by [S.I. 2019/645 reg. 256\(4\)\(b\)\(ii\)](#) (This amendment not applied to legislation.gov.uk. Reg. 256(4)(b)(ii) substituted immediately before IP completion day by S.I. 2020/1116, regs. 1(3), 23(a))
- Annex 1 Table of Contents words omitted by [S.I. 2019/645 reg. 246\(1\)\(a\)\(i\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 1 Table of Contents words omitted by [S.I. 2019/645 reg. 246\(1\)\(b\)\(iii\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 1 point M.A.202(a) words omitted by [S.I. 2019/645 reg. 247\(3\)\(a\)\(ii\)](#) (This amendment not applied to legislation.gov.uk. Reg. 247(3) omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 18)
- Annex 1 Appendix 3 words omitted by [S.I. 2019/645 reg. 262\(4\)\(d\)\(iv\)](#)
- Annex 1 Table of Contents words omitted by [S.I. 2020/1116 reg. 73\(2\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 1 Table of Contents words substituted by [S.I. 2019/645 reg. 246\(1\)\(a\)\(ii\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 1 Table of Contents words substituted by [S.I. 2019/645 reg. 246\(1\)\(b\)\(i\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 1 Table of Contents words substituted by [S.I. 2019/645 reg. 246\(1\)\(b\)\(ii\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 1 Table of Contents words substituted by [S.I. 2019/645 reg. 246\(1\)\(c\)\(i\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 1 Table of Contents words substituted by [S.I. 2019/645 reg. 246\(1\)\(c\)\(ii\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 1 point M.A.202(a) words substituted by [S.I. 2019/645 reg. 247\(3\)\(a\)\(i\)](#) (This amendment not applied to legislation.gov.uk. Reg. 247(3) omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 18)
- Annex 1 point M.A.302(h) words substituted by [S.I. 2019/645 reg. 248\(3\)\(e\)\(ii\) \(bb\)](#) (This amendment not applied to legislation.gov.uk. Reg. 248(3)(e) substituted immediately before IP completion day by S.I. 2020/1116, regs. 1(3), 19(3)(d))
- Annex 1 point M.A.607(a) words substituted by [S.I. 2019/645 reg. 251\(3\)\(a\)](#) (This amendment not applied to legislation.gov.uk. Reg. 251(3)(a) substituted immediately before IP completion day by S.I. 2020/1116, regs. 1(3), 20(b))
- Annex 1 point M.A.710(e) words substituted by [S.I. 2019/645 reg. 252\(5\)\(b\)](#)

- Annex 1 point M.A.901(l) words substituted by [S.I. 2019/645 reg. 254\(2\)\(c\)\(ii\)](#) (This amendment not applied to legislation.gov.uk. Reg. 254(2)(c) omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 22(a)(ii))
- Annex 1 Appendix 3 words substituted by [S.I. 2019/645 reg. 262\(4\)\(d\)\(i\)](#)
- Annex 1 Appendix 3 words substituted by [S.I. 2019/645 reg. 262\(4\)\(d\)\(ii\)](#)
- Annex 1 Appendix 3 words substituted by [S.I. 2019/645 reg. 262\(4\)\(d\)\(iii\)](#)
- Annex 2 Table of contents word substituted by [S.I. 2019/645 reg. 264\(2\)\(a\)](#)
- Annex 2 Table of contents word substituted by [S.I. 2019/645 reg. 264\(2\)\(b\)](#)
- Annex 2 Table of contents words omitted by [S.I. 2019/645 reg. 264\(2\)\(c\)](#)
- Annex 2 Table of contents words substituted by [S.I. 2019/645 reg. 264\(2\)\(d\)](#)
- Annex 3 Table of Contents word substituted by [S.I. 2019/645 reg. 269\(2\)\(b\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 3 Table of Contents word substituted by [S.I. 2019/645 reg. 269\(2\)\(c\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 3 Table of Contents words substituted by [S.I. 2019/645 reg. 269\(2\)\(a\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 3 Table of Contents words substituted by [S.I. 2019/645 reg. 269\(2\)\(d\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 4 Table of contents word substituted by [S.I. 2019/645 reg. 280\(2\)\(a\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 4 Table of contents words substituted by [S.I. 2019/645 reg. 280\(2\)\(b\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 4 Table of contents words substituted by [S.I. 2019/645 reg. 280\(2\)\(c\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 4 Table of contents words substituted by [S.I. 2019/645 reg. 280\(2\)\(d\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 4 Appendix 3 heading words substituted by [S.I. 2019/645 reg. 283\(3\)\(a\)](#) (This amendment not applied to legislation.gov.uk. Reg. 283(3)(a) omitted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 27(b)(i))
- Art. 5(7) inserted by [S.I. 2023/588 reg. 15\(3\)](#)
- Annex 5a Table of Contents word omitted by [S.I. 2019/645 reg. 284\(2\)\(a\)\(i\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 5a point T.A.716 word substituted by [S.I. 2019/645 reg. 284\(3\)\(c\)\(iii\)\(aa\)](#) (This amendment not applied to legislation.gov.uk. Reg. 284(3)(c) substituted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 28(a)(ii))
- Annex 5a Table of Contents words omitted by [S.I. 2020/1116 reg. 75\(2\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 5a Table of Contents words substituted by [S.I. 2019/645 reg. 284\(2\)\(a\)\(ii\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 5a Table of Contents words substituted by [S.I. 2019/645 reg. 284\(2\)\(a\)\(iii\)](#) (This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 5a point T.A.716 words substituted by [S.I. 2019/645 reg. 284\(3\)\(c\)\(iii\)\(bb\)](#) (This amendment not applied to legislation.gov.uk. Reg. 284(3)(c) substituted immediately before IP completion day by virtue of S.I. 2020/1116, regs. 1(3), 28(a)(ii))

- Annex 5b point ML.A.401(b) substituted by [S.I. 2023/588 reg. 29\(2\)](#)
- Annex 5b point ML.A.802(a) substituted by [S.I. 2023/588 reg. 29\(4\)](#)
- Annex 5b Appendix 4 CAA Form 15c substituted by [S.I. 2023/588 reg. 30](#)
- Annex 5b Table of Contents word substituted by [S.I. 2020/1116 reg. 76\(2\)\(b\)](#)  
(This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 5b point ML.A.502 words inserted by [S.I. 2023/588 reg. 29\(3\)\(c\)](#)
- Annex 5b point ML.A.906(a) words inserted by [S.I. 2023/588 reg. 29\(5\)](#)
- Annex 5b Table of Contents words substituted by [S.I. 2020/1116 reg. 76\(2\)\(a\)](#)  
(This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 5b Table of Contents words substituted by [S.I. 2020/1116 reg. 76\(2\)\(c\)](#)  
(This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 5b point ML.A.501(a) words substituted by [S.I. 2023/588 reg. 29\(3\)\(a\)](#)
- Annex 5b point ML.A.502(a) words substituted by [S.I. 2023/588 reg. 29\(3\)\(b\)\(i\)](#)
- Annex 5b point ML.A.502(a) words substituted by [S.I. 2023/588 reg. 29\(3\)\(b\)\(ii\)](#)
- Annex 5c Table of Contents words omitted by [S.I. 2020/1116 reg. 77\(2\)\(a\)](#)  
(This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 5c Table of Contents words substituted by [S.I. 2020/1116 reg. 77\(2\)\(b\)](#)  
(This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 5d point CAO.A.045(a)(2) words inserted by [S.I. 2023/588 reg. 31\(2\)\(a\)\(i\)](#)
- Annex 5d Table of Contents words omitted by [S.I. 2020/1116 reg. 78\(2\)\(a\)](#)  
(This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 5d Table of Contents words omitted by [S.I. 2020/1116 reg. 78\(2\)\(b\)](#)  
(This amendment not applied to legislation.gov.uk. The table of contents for this legislation will be dynamically updated when its provisions are revised)
- Annex 5d point CAO.A.045(a)(2) words substituted by [S.I. 2023/588 reg. 31\(2\)\(a\)\(ii\)](#)
- Annex 5d point CAO.A.105(a) words substituted by [S.I. 2023/588 reg. 31\(2\)\(b\)](#)