

European Aviation Safety Agency

DECISION NO 2007/008/R

OF THE EXECUTIVE DIRECTOR OF THE EUROPEAN AVIATION SAFETY AGENCY

of 02 April 2007

**amending the Annex to Decision No 2003/01/RM of the Executive Director of the Agency of 17 October 2003 on acceptable means of compliance and guidance material 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
(« AMC and GM to Part 21 »)**

THE EXECUTIVE DIRECTOR OF THE EUROPEAN AVIATION SAFETY AGENCY

Having regard to Regulation (EC) No 1592/2002 of the European Parliament and of the Council of 15 July 2002 on common rules in the field of civil aviation and establishing a European Aviation Safety Agency¹ (hereinafter referred to as the "Basic Regulation"), in particular Article 13 thereof,

Having regard to the Commission Regulation (EC) No 1702/2003 of 24 September 2003 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 organisations²,

Whereas:

- (1) The Agency shall issue certification specifications, including airworthiness codes and acceptable means of compliance, as well as guidance material for the application of the Basic Regulation and its implementing rules.
- (2) The Commission has amended Commission Regulation (EC) No 1702/2003 of 24 September 2003 with Commission Regulation (EC) No 335/2007 of 28 March 2007 to amend EASA Form 45 (Noise Certificate).

¹ OJ L 240, 7.9.2002, p. 1. Regulation as last amended by Regulation (EC) No 334/2007 (OJ L 88, 29.3.2007, p. 39).

² OJ L 243, 27.9.2003, p. 6. Regulation as last amended by Regulation (EC) No 335/2007 (OJ L 88, 29.3.2007, p. 40).

- (3) During the consultation of the above mentioned amendment to Commission Regulation (EC) 1702/2003 comments were made requesting clarification and update of the Guidance Material on EASA Form 45.
- (4) The Agency has accepted those comments when pursuant to Article 43 of the Basic Regulation it provided a written response to the comments received.

HAS DECIDED AS FOLLOWS:

Article 1

The Annex "Acceptable means of compliance and guidance material to be used in the airworthiness certification of products, parts and appliances and the approval of organisations involved in their design or manufacture" to Decision ED/2003/01/RM of the Executive Director of the Agency of 17 October 2003 is hereby amended as follows:

GM 21B.425(a) is hereby amended as follows:

Subpart I - Noise certificates

GM 21B.425(a)

Noise Certificates

1 Completion of the noise certificate by a Member State

1.1 Form (see Appendix to Part 21)

~~It is intended that the Form of the EASA noise certificate should be consistent with the ICAO, CAEP agreed format. It follows that the EASA Form of noise certificate suggested in the Appendix to Part 21 may be changed subject to ICAO, CAEP recommendations. Completion instructions are accordingly subject to change as appropriate.~~

1.2 Completion instructions

~~Block 4: Engine designation should contain type and model including any de-rate that may be appropriate.~~

~~Block 5: Propeller information should be entered if applicable in which case it shall contain type and model designation.~~

~~Block 6: State maximum take-off mass and unit, (e.g. 1700,500 kg) at which compliance with the applicable noise certification standards has been demonstrated.~~

~~Block 8: State maximum landing mass and unit at which compliance with the applicable noise certification standards has been demonstrated, if applicable.~~

~~Block 7: Should contain height above the runway at which thrust/power is reduced, following full thrust/power take-off, and unit e.g. 950 ft, or "N/A".~~

~~Block 9: Should contain details of noise relevant equipment or modifications that may be necessary to identify the acoustical configuration of the aircraft, such as~~

~~silencers, STCs incorporated for the purposes of compliance, tailrotor, acoustic liner, etc. (as appropriate).~~

~~Block 10: Should contain the Chapter of ICAO Annex 16, Volume I and section specifying maximum noise levels (e.g. Chapter 10, Section 10.4b)~~

~~Blocks 11, 12, 13 & 14 Should state noise level and unit, e.g. 98.5 EPNdB, or "N/A".~~

1.1 Completion instructions

Block 1. State of Registry

The name of the State issuing the noise certificate. This item should match the corresponding information on the Certificate of Registration and Certificate of Airworthiness.

Block 2. Noise certificate

The title of the EASA Form 45 is "Noise Certificate"

Block 3. Document No

A unique number, issued by the State of Registry that identifies this particular document in their administration. Such a number will facilitate any enquiries with respect to the document.

Block 4. Registration marks

The nationality or common mark and registration marks as issued by the State of Registry in accordance with Annex 7 to the Chicago Convention³. This item should match the corresponding information on the Certificate of Registration and Certificate of Airworthiness.

Block 5. Manufacturer and manufacturer's designation of aircraft

The type and model of the subject aircraft. This item should match the corresponding information on the Certificate of Registration and Certificate of Airworthiness.

Block 6. Aircraft serial No

The aircraft serial number as given by the manufacturer of the aircraft. This item should match the corresponding information on the Certificate of Registration and Certificate of Airworthiness.

Block 7. Engine

The designation of the installed engine(s) for identification and verification of the aircraft configuration. It should contain the type and model of the subject engine(s). The designation should be in accordance with the Type Certificate or Supplemental Type Certificate for the subject engine(s).

Block 8. Propeller

The designation of the installed propeller(s) for identification and verification of the aircraft configuration. It should contain the type and model of the subject propeller(s). The designation should be in accordance with the Type Certificate or

³ The Convention on International Civil Aviation on 7 December 1944

Supplemental Type Certificate for the subject propeller(s). This item is included only in noise certification documentation for propeller driven aeroplanes.

Block 9. Maximum take-off mass (kg)

The maximum take-off mass associated with the certificated noise levels of the aircraft in kilograms. The unit (kg) should be specified explicitly in order to avoid misunderstanding. If the primary unit of mass for the State of Manufacture of the aircraft is different from kilograms, the conversion factor used should be in accordance with Annex 5 to the Chicago Convention.

Block 10. Maximum landing mass (kg)

The maximum landing mass associated with the certificated noise levels of the aircraft in kilograms. The unit (kg) should be specified explicitly in order to avoid misunderstanding. If the primary unit of mass for the State of manufacture of the aircraft is different from kilograms, the conversion factor used should be in accordance with Annex 5 to the Chicago Convention. This item will only be included in the noise certification documentation for noise certificates issued under Chapter 2, 3, 4,5 and 12.

Block 11. Noise certification standard

The Chapter to which the subject aircraft is Noise Certificated. For chapters 2, 8, 10 and 11, the section specifying the noise limits should also be included.

Block 12. Additional modifications incorporated for the purpose of compliance with the applicable noise certification standards

This item should contain as a minimum all additional modifications to the basic aircraft as defined by Blocks 5, 7 and 8 that are essential in order to meet the requirements of this Annex to which the aircraft is certificated as given under Block 11. Other modifications that are not essential to meet the stated chapter but are needed to attain the certificated noise levels as given may also be included at the discretion of the certifying authority. The additional modifications should be given using unambiguous references, such as Supplemental Type Certificate (STC) numbers, unique part numbers or type/model designators given by the manufacturer of the modification.

Block 13. Lateral/full-power noise level

The lateral/full-power noise level as defined in the relevant Chapter. It should specify the unit (e.g. EPNdB (unit of the effective perceived noise level)) of the noise level and the noise level should be stated to the nearest tenth of a decibel (dB). This item is included only in noise certification documentation for aircraft certificated to Chapters 2, 3, 4, 5 and 12.

Block 14. Approach noise level

The approach noise level as defined in the relevant chapter. It should specify the unit (e.g. EPNdB) of the noise level and the noise level should be stated to the nearest tenth of a dB. This item is included only in noise certification documentation for aircraft certificated to Chapters 2, 3, 4, 5, 8 and 12.

Block 15. Flyover noise level

The flyover noise level as defined in the relevant chapter. It should specify the unit (e.g. EPNdB) of the noise level and the noise level should be stated to the nearest tenth of a dB. This item is included only in noise certification documentation for aircraft certificated to Chapters 2, 3, 4, 5 and 12.

Block 16. Overflight noise level

The overflight noise level as defined in the relevant chapter. It should specify the unit (e.g. EPNdB or dB(A) (unit of the A-weighted noise level)) of the noise level and the noise level should be stated to the nearest tenth of a dB. This item is included only in noise certification documentation for aircraft certificated to Chapters 6, 8 and 11.

Block 17. The take-off noise level

The take-off noise level as defined in the relevant chapter. It should specify the unit (e.g. EPNdB or dB(A)) of the noise level and the noise level should be stated to the nearest tenth of a dB. This item is included only in noise certification documentation for aircraft certificated to Chapters 8 and 10.

Block 18. Statement of compliance, including reference to Annex 16 to the Chicago Convention, Volume I

The statement is provided in EASA Form 45.

Block 19. Date of issue

The date on which the document was issued.

Block 20. Signature

The signature of the officer issuing the noise certificate. Other items may be added such as seal, stamp etc.

Additional information:

Logo and name of the issuing authority

In order to facilitate recognition the logo or symbol and the name of the issuing authority may be added in the box "For use by the State of registry".

Language

States issuing their noise certification documentation in a language other than English should provide an English translation.

Article 2

This Decision shall enter into force on 03 April 2007. It shall be published in the *Official Publication of the Agency*.

Done in Cologne, 02 April 2007

P. GOUDOU
by delegation C. PROBST