CHAPTER 25

PROCEDURES FOR THE ACCEPTANCE AND ISSUANCE OF AIRCRAFT NOISE CERTIFICATES.

0.0 LIST OF EFFECTIVE PAGES

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1.0 OBJECTIVE

The Nigeria Civil Aviation Authority has developed regulations requiring airplanes to comply with noise certification standards as set out in Nig. CARs Part 16.

2.0 REFERENCES

Reference Checklist: CL: O-AWS025

Forms: AC-AWS025, AC-AWS025A

3.0 REQUIREMENTS

1. Annex 6, part 1, Section 6.13 states that "An aeroplane shall carry a document attesting noise certificate." The attestation may be contained in any document carried on board, approved by the State of Registry.
2. Noise certification may be accepted by the State of Registry of an aircraft on the basis of satisfactory evidence that the aircraft complies with requirements which are at least equal to the applicable standards specified in the ICAO annex 16, Vol.1, (1.2).
3. Annex 16 Vol.1 chapter 1 par.1.5 states that Contracting State shall recognise as valid a noise certification granted by another Contracting State provided that the requirements under which such certification was granted are at least equal to the applicable standards specified in the Annex.
4. Annex 16 Vol. I chapter 1 par. 1.6 states that a contracting state shall suspend or revoke the noise certification of an aircraft on its Register of the aircraft ceases to comply with the applicable noise standards. The State of Registry shall not remove the suspension of a noise certification or grant a new noise certification unless the aircraft is found, on re-assessment, to comply with the applicable noise standards.

It is further required that NCAA shall ensure that:

I. The State of Registry of aircraft is an ICAO member
II. A noise certificate, in respect of the said aircraft, is in force.
III. The data on the aircraft noise certificate/statement are not at variance with those contained in the flight manual of the respective aircraft.
IV. The certificate is properly issued and endorsed by the issuing authority.

Above conditions having been met, a NOISE CERTIFICATE/STATEMENT shall be caused to be issued to the aircraft provided the aircraft is duly registered in Nigeria.

The proposed formats of the certificate are hereby attached

4.0 INSTRUCTIONS AND INFORMATION FOR ISSUANCE OF NOISE CERTIFICATE

Item 1. Name of State

The name of the State issuing the noise certification documentation. This item should correspond with the information on the certificate of registration and the certificate of airworthiness. FEDERAL REPUBLIC OF NIGERIA

Item 2. Title of the noise document

NOISE CERTIFICATE.

Item 3. Number of the document

A unique number, issued by the State of Registry,that identifies this particular document in its administration. Such a number will facilitate any enquiries with respect to the document and must be the same number on the certificate of registration and the certificate of airworthiness.

Item 4. Nationality or common mark and registration marks

The nationality or common mark and registration marks issued by the State of Registry in accordance with Nig. CARs Part 4. This item should correspond with the information on the certificate of registration and the certificate of airworthiness.

Item 5. Manufacturer and manufacturer's designation of aircraft

The type and model of the subject aircraft. This item should correspond with the information on the certificate of registration and the certificate of airworthiness.

Item 6. Aircraft serial number

The aircraft serial number as given by the manufacturer of the aircraft. This item should correspond with the information on the certificate of registration and the certificate of airworthiness.

Item 7. Engine manufacturer, type and model

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).

Item 8. Propeller type and model for propeller-driven aeroplanes

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 supplemental type certificate for the subject propeller(s). This item is included only in the noise certification documentation for propeller-driven aeroplanes.

Item 9. Maximum take-off mass and unit

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

Item 10. Maximum landing mass and unit for certificates issued under Chapters 2, 3, 4, 5 and 12

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

Item 11. Statement of compliance, including reference to Annex 16, Volume I

A statement that the subject aircraft complies with the applicable noise requirements. Reference should be made to Annex 16, Volume I. In addition to this, reference may be made to national noise requirements.

Item 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 Items 5, 7 and 8 that are essential in order to meet the requirements of the chapter of Annex 16, Volume I, to which the aircraft is noise certificated as given under Item 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 certificating 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.

Item 13. The lateral/full-power noise level in the corresponding unit for documents issued under Chapters 2, 3, 4, 5 and 12

The lateral/full-power 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 the noise certification documentation for aircraft certificated to Chapters 2, 3, 4, 5 and 12.

Item 14. The approach noise level in the corresponding unit for documents issued under Chapters 2, 3, 4, 5, 8 and 12

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 the noise certification documentation for aircraft certificated to Chapters 2, 3, 4, 5, 8 and 12.

Item 15. The flyover noise level in the corresponding unit for documents issued under Chapters 2, 3, 4, 5 and 12

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 the noise certification documentation for aircraft certificated to Chapters 2, 3, 4, 5 and 12.

Item 16. The overflight noise level in the corresponding unit for documents issued under Chapters 6, 8 and 11

The overflight 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 the noise certification documentation for aircraft certificated to Chapters 6, 8 and 11.

Item 17. The take-off noise level in the corresponding unit for documents issued under Chapters 8 and 10

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 the noise certification documentation for aircraft certificated to Chapters 8 and 10.

Item 18. Remarks

A statement that the subject aircraft complies with the applicable noise requirements. Reference should be made to Annex 16, Volume I. In addition to this, reference may be made to national noise requirements.

Item 19. The chapter and section of Annex 16, Volume I, according to which the aircraft is certificated

The chapter of Annex 16, Volume I, 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.

Item 20. Date of issuance of the noise certification document

Date of issuance of the noise certificate

Item 21. Name of Issuing Officer

Name of the Director of Airworthiness Standards signing the noise certificate.

Item 22. Director, Airworthiness Standards

Title of the Head of Directorate of Airworthiness Standards

Item 23. Signature of the officer issuing it

The signature of the officer issuing the noise certification document. Other items may be added such as a seal or a stamp.

1. FEDERAL REPUBLIC OF NIGERIA		
2. NOISE CERTIFICATE		
	3. CERT NO.	
4. NATIONALITY AND REGISTRATION MARKS	5. MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT	6. AIRCRAFT SERIAL NUMBER
7. ENGINE MANUFACTURER, TYPE AND MODEL	8. PROPELLER MANUFACTURER, TYPE AND MODEL	
9. MAXIMUM TAKEOFF MASS (KG)	10. MAXIMUM LANDING MASS (KG)	
11. NOISE CERTIFICATION STANDARD.		
12. ADDITIONAL MODIFICATIONS INCORPORATED FOR THE PURPOSE OF COMPLIANCE WITH THE APPLICABLE NOISE CERTIFICATION STANDARDS:		

13. LATERAL / FULL POWER NOISE LEVEL	14. APPROACH NOISE LEVEL	15. FLYOVER NOISE LEVEL	16. OVERFLIGHT NOISE LEVEL	17. TAKEOFF NOISE LEVEL

18. THIS NOISE CERTIFICATE IS ISSUED PURSUANT TO VOLUME I OF ANNEX 16 TO THE CONVENTION ON INTERNATIONAL CIVIL AVIATION AND PART 16 OF THE NIGERIA CIVIL AVIATION REGULATIONS, IN RESPECT OF THE ABOVE-MENTIONED AIRCRAFT, WHICH IS CONSIDERED TO COMPLY WITH THE INDICATED NOISE STANDARD WHEN MAINTAINED AND OPERATED IN ACCORDANCE WITH THE RELEVANT REQUIREMENTS AND OPERATING LIMITATIONS.
REMARKS

19. DATE OF ISSUE	20. SIGNATURE:

1. This Certificate must be carried on board the aircraft
2. This Certificate is not transferable

NIGERIA CIVIL AVIATION AUTHORITY
AVIATION HOUSE
P. M. B. 21029, 21038, Ikeja, Lagos, Nigeria

APPLICATION FOR AIRCRAFT NOISE CERTIFICATE

I. NAME AND ADDRESS OF OPERATOR

_____

_____

_____

II. BASE(S) OF OPERATION

1. _____
2. _____
3. _____
4. _____

III. AIRCRAFT TECHNICAL DATA

1. Type/Model _____
2. Manufacturer _____
3. Registration Number _____
4. C of A Validity _____
5. Date of Manufacture _____
6. Maximum Take-Off-Mass (KG) _____
7. Maximum Land Mass (Kg) _____

IV. ENGINE DATA

1. Type/Model _____
2. Manufacturer _____

V. PROPELLER DATA

1. Type/Model _____
2. Manufacturer _____

VI. NOISE DATA

1. Lateral /Full Power Noise Level (EPNdB) _____

2. Fly-over Noise Level (EPNdB) _____

3. Approach Noise Level (EPNdB) _____

4. Takeoff Noise Level (EPNdB) _____

5. Overflight Noise Level (EPNdB)) _____

VII. The above information is in fulfillment of the requirement of ICAO Annex 16 Vol. 1 / Nig. CARs Part 16

NAME_____ DESIGNATION_____

SIGNATURE_____ DATE_____

FOR DAWS USE ONLY

RECEIVED BY_____

DATE RECEIVED_____

CHECKED BY_____

☐ SATISFACTORY ☐ UNSATISFACTORY

Inspectors Comments (if unsatisfactory):_____

☐ ISSUE ☐ REFUSE

Inspector's Signature: _____

Documents to be submitted alongside this application

1. Copy of current Noise Certificate
2. Copy of Certificate of Registration of Aircraft
3. Copy of Certificate of Airworthiness (If available)
4. Copy of Type Certification Data sheet or Equivalent Approved Document (e.g. Approved Flight Manual)
5. Copy of payment receipt for statutory fee(s)