

*Trinidad and Tobago
Civil Aviation Authority*



TTCAA Advisory Circular

Subject: Aircraft Noise Validation Certificate

TTCAA Advisory Circular TAC-051

Issue Date: 12th March, 2014

SECTION 1 - GENERAL

1.1 PURPOSE

The Advisory Circular provides guidance to operators and aircraft owners when applying for an aircraft Noise Validation Certificate.

1.2 Status of this TTCAA Advisory Circular (TAC)

This is an original issue of this TAC

1.3 BACKGROUND

- A. ICAO Standards in Annex 16 - Environmental Protection, Volume 1 - Aircraft Noise require Trinidad and Tobago Civil Aviation Authority (TTCAA) to issue or validate a noise certificate for aircraft in international operation.
- B. In support of its international safety oversight obligations, the TTCAA has safety legislation and guidance regarding the requirements that apply to the noise certification of aircraft, including—
 - (a) TTCAR No. 5, Part IIA; and
 - (b) This advisory circular
- C. The TTCAA has the responsibility and authority for issuing aircraft Noise Validation Certificates.

1.4 APPLICABILITY

This Advisory Circular is applicable to all aircraft registered in Trinidad and Tobago involved in international and domestic operations.

1.6 RELATED PUBLICATIONS

For further information on this topic, individuals, organizations and other entities are invited to consult Annex 16, Volume 1 Aircraft Noise published by the International Civil Aviation Organization (ICAO)

1.7 DEFINITIONS

“aeroplane” means a power-driven heavier-than-air aircraft, deriving its lift in flight chiefly from aerodynamic reactions on surfaces which remain fixed under given conditions of flight;

“aircraft” means any machine that can derive support in the atmosphere from the reactions of the air other than the reactions of the air against the earth’s surface;

“derived version of a helicopter” means a helicopter which, from the point of view of airworthiness, is similar to the noise certificated prototype but incorporates changes in type design which may affect its noise characteristics adversely;

“derived version of an aeroplane” means an aeroplane which, from the point of view of airworthiness, is similar to the noise certificated prototype but incorporates changes in type design which may affect its noise characteristics adversely;

“helicopter” means a heavier-than-air aircraft supported in flight chiefly by the reactions of the air on one or more power-driven rotors on substantially vertical axes;

“State of Design” means the State having jurisdiction over the organization responsible for the Type design.

“Type Certificate” means a document issued by a Contracting State to define the design of an aircraft type and to certify that this design meets the appropriate airworthiness requirements of that State.

SECTION 2 - ACCEPTABILITY OF AIRCRAFT FOR VALIDATION OF NOISE CERTIFICATE

2.1 GENERAL INFORMATION

2.1.1 GENERAL POLICIES

- A. A person who wishes to apply for an aircraft Noise Validation Certificate issued by the TTCAA shall apply to the Authority by submitting a duly completed **TF-030 - Application for A Noise Validation Certificate**.
- B. An application for aircraft Noise Validation Certificate is required for all aircraft engaged in international operations.

2.1.2 ADDITIONAL DOCUMENTATION TO BE SUBMITTED

- A. Upon application for aircraft Noise Validation Certificate, the applicant is required to submit to the Authority the full specification of the aircraft including—
 - (a) The full description of the type, model and serial number;
 - (b) Type certificate data sheet;
 - (c) The Noise Certificate issued by the state of manufacturer, state of design or from a competent Authority; and
 - (d) Airplane Flight Manual or Rotorcraft Flight Manual (Helicopters).
- B. An application for a Noise Validation Certificate shall be made at the same time that an application for registering the aircraft on the Trinidad and Tobago Aircraft Register for the issuance of a Certificate of Registration.
- C. Operators and registered owners of aircraft already registered in Trinidad and Tobago and not issued with a Noise Validation Certificate shall apply for a Noise Validation Certificate at the next occasion of the renewal of the aircraft Certificate of Airworthiness and shall be required to produce noise certificate or copies issued by the State of Manufacture, State of design or competent authority.

2.2 DOCUMENTS EVALUATION

- A. The application evaluation exercise is carried out by the Authority to establish that the documents presented are authentic, genuine and valid and relate to the subject aircraft.
- B. It also allows the Authority to verify that the aircraft Noise Certificate complies with ICAO Annex 16 Volume 1.

SECTION 3 - INFORMATION AND GUIDANCE

3.1 TTCAR No. 5, Part IIA requires that all Trinidad and Tobago registered aircraft involved in international operation be issued a Noise Validation Certificates.

3.2 Annex 16 to the Chicago Convention specifies the chapter classification of the aircraft to be issued with a noise certificate or a suitable statement attesting noise certification contained in another document approved by the State of Registry and required by that State to be carried in the aircraft.

3.3 Aircraft registered in Trinidad and Tobago and falling in the classifications as detailed in Annex 16 shall be issued with a Noise Validation Certificate based on the noise certificate issued by the State of Manufacture, State of Design or competent authority.

3.4 Evaluating the noise certificate for validation

3.4.1 All aircraft to which the carriage of a Noise Validation Certificate is applicable will be evaluated for noise certification during importation and registration.

3.4.2 Applicants for the initial certification of aircraft are required to ensure the presence of a noise certificate or a suitable statement attesting noise certification issued by the relevant competent authority. Applicants are to ensure that such certificate or statement confirms compliance with the Noise Standards of ICAO Annex 16 – Volume 1.

3.5. Procedures

3.5.1 All applicants are required to submit an application TF-030 when applying for a Noise Validation Certificate with where applicable, the following documents:

- (a) noise certificate issued by State of Manufacture, State of Design or a competent authority or
- (b) a statement attesting noise certification status of the aircraft from a competent authority.

3.5.2 An applicant is required to verify the authenticity of the certificate and that it clearly states that the aircraft meets Annex 16 noise requirements specified for the aircraft classification.

3.5.3 An applicant is required to check the statement attesting noise certification and verify –

- (a) that the relevant authority where the aircraft was designed or manufactured approved the document containing such statement or the statement itself; and
- (b) that the statement specifies that the aircraft meets Annex 16 noise requirements for the aircraft classification.

3.5.4 An applicant shall observe all of the limitations or conditions stated on the noise certificate or the statement attesting noise certification.

3.5.5 The applicant shall pay the application fees.

3.6. Following a thorough review of an application, the Authority will –

- (a) issue a Noise Validation Certificate within ten (10) working days of receipt of the application where the requirements for the Noise Validation Certificate have been satisfied; or
- (b) inform the applicant of any of the requirements that were not satisfied and not issue a Noise Validation Certificate.

APPROVED BY:

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Director General of Civil Aviation

Signature

Date