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REPUBLIC OF COSTA RICA
CIVIL AVIATION DIRECTION GENERAL
Air Navigation Management
AIS/MAP
P.O. BOX 5026 -1000
SAN JOSE – COSTA RICA

AIC
Series A

05/A11
October 12, 11

AIR

APPROVAL OF AIRCRAFT NOISE

The Civil Aviation Direction General through the Airworthiness Department; communicate to all operators of aircrafts, the following provision:

1. PURPOSE:

Extend the provisions of RAC 02, Chapter X (operating noise limit) and establish the requirements for acceptance of noise certification of subsonic jets; turbo propeller airplanes with a takeoff weight over 5700 kg and helicopters with a takeoff weight over 3,175 kg operating in Costa Rican territory, in compliance with the provisions of the International Civil Aviation Organization Annex 16, Volume 1

2. TECHNICAL REFERENCE

- a) Annex 16 of the International Civil Aviation Organization (ICAO), Environmental Protection, Volume I: Aircraft Noise.
- b) FAR Part 36: Noise Standards, Aircraft Type and Airworthiness Certification.

3. APPLICABILITY.

This Circular is applicable to all operators: national and international operating subsonic jet and turbo propellers with a maximum takeoff weight greater than 5,700 kg., and helicopters more than 3,175 kg

4. RELATED REGULATIONS AND REFERENCE DOCUMENTS.

RAC 02, Chapter X
RAC 21, Chapter VII
Annex 16, Volume 1.

5. DEFINITIONS.

For purposes of this aeronautical publication, will assume the following definitions:

Lateral Noise level

The noise level measured at a specified distance of point where the plane begins its takeoff roll and in a parallel line to the runway center at a distance also specified which has the highest take-off noise.

Noise Level Approach:

The noise level is measured in the approach path and a specified horizontal distance before the point of contact on the runway.



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Over-flight noise level:

The noise level is measured on a flyby trajectory at a specified height.

Subsonic Aircraft:

Aircraft for which, the maximum operating speed (Mmo) does not exceed Mach 1.

6. PROCEDURE.

a) Foreign operators who apply for an operating permit to operate to Costa Rica with subsonic jet and turbo propellers with a maximum takeoff weight greater than 5700 kg and helicopters with a maximum takeoff weight greater than 3175 Kg must demonstrate compliance with the noise levels in the Flight Manual in its last review.

b) Owners or Costa Rican operators that operate subsonic jets, turbo prop or helicopter, must furnish their aircraft meet the noise levels in the flight manual in its last review.

c) CERTIFICATES OF NOISE APPROVAL:

The Civil Aviation Direction General approve the data issued by the Authority that issued the type certificate, established in the last revised Flight Manual of the aircraft or those level noise obtained after it has implemented a STC (supplemental type certificate) for that purpose.

They will also be accepted Certificates of Approval issued by the aeronautical authorities other than the Authority issued of the type certificate, provided the operator satisfactorily demonstrates to the Civil Aviation Direction General, the noise certification approval was conducted in compliance the provisions of the Standards of Annex 16 Volume I, ICAO.

The Civil Aviation Direction General will issue a Certificate of Level Noise Approval to Costa Rican registered aircrafts for these aircrafts, subject to compliance with the provisions of Procedure USAE-AIR-002.

The Certificate of Level Noise Approval to Costa Rican registered aircrafts must be on board the aircraft and located in a visible and safe place.

