AIRWORTHINESS NOTICE

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Environmental Protection Standards

1 Background

ICAO Annex 16 contains environmental protection standards in respect of aircraft noise, engine fuel venting and engine emissions and CO2 emissions. The technical standards of EASA Part CS-36 and 34 address the technical elements of compliance to the ICAO standards.

This Airworthiness Noticed is released to provide the admirative framework which supplement the basic regulation (Regulation 7 of Civil Aviation (Safety) Regulations, 2017).

2 Noise Certification

2.1 Aircraft Noise Certification

Regulation 7 of Civil Aviation (Safety) Regulations, 2017 requires the design, production or distribution of aircraft, aircraft components or aircraft materials to be conducted in accordance with directives issued by the Authority. CAD AIRW 7-1 and 7-7 incorporates EASA Parts-21 and CS-36 as the Technical standards for this purpose. The applicable noise requirements for the issue of a type-certificate for an aircraft are detailed in Part 21.A.201 and Part 21.B.85.

The applicable Technical Standards shall be based on the effective amendment status on the date of submission to the Authority for:

(a) a Type Certificate in the case of a new type; or

(b) of a change in type design in the case of a derived version.

2.2 Control of aircraft noise

Regulation 14(3) of the Civil Aviation (Safety) Regulations, 2017 requires all aircraft to be issued with a Noise Certificate issued in accordance with ICAO Annex 16 by the Authority or the State of Registry in the case of foreign aircraft.

2.3 Application and grant of noise certificate

(a) An applicant for a noise certificate shall furnish the Authority using SCAA AIR FORM 8C with the following information:

(1) the type and designation of the aircraft; and
(2) the aircraft serial number and registration mark; and
(3) a statement of any modifications incorporated for the purpose of compliance with the applicable noise certification standards; and
(4) the MTWA at which compliance with the applicable noise certification standards has been achieved; and
(5) references to flight manual supplements or revisions required for compliance with the applicable noise certification standards; and
(6) the Noise Certificate or a document attesting to noise certification issued by the NAA for the State that issued the certificate in compliance with the appropriate Standards of ICAO Annex 16 Volume 1.

(b) The Authority shall grant or validate a noise certificate on being satisfied by evidence that the particular aircraft complies with EASA CS-36.

2.4 Validity of noise certificate

(a) The validity of a noise certificate issued by the Authority is subject to the aircraft continuing to comply with the noise certification standards against which the noise certificate was issued.

(b) Major modifications that appreciably affect the noise characteristics of the aircraft may invalidate the noise certificate issued by the Authority unless:

(1) on application for the approval of the modification under Part 21, evidence is provided that the appropriate standards have been met; or
(2) the Authority is satisfied with approved operational limitations that are contained in the aircraft flight manual that are required to maintain compliance with the appropriate noise certification standards.

(c) A Noise Certificate is valid until it is suspended, revoked or the aircraft has been removed from the Seychelles register.

2.5 Recertification

(a) If noise recertification is required, an application shall be made to the Authority.

(b) The Authority may make any reasonable investigation and require specific testing of the aircraft.

(c) Recertification shall be granted only following satisfactory evidence that the aircraft complies with requirements that are at least equal to the applicable Standards specified in Part 21 and consistent with ICAO Annex 16.

(d) The date used by an Authority to determine the recertification basis shall be the date of acceptance of the first application for recertification.

2.6 Revocation and Suspension

(a) The Authority may suspend or revoke the noise certificate if the holder of the certificate is unable to demonstrate compliance with the appropriate noise certification standards.

(b) The holder of a revoked or suspended noise certificate shall surrender it immediately to the Authority.

2.7 Recognition

The Authority shall recognise as valid, a noise certification granted by another ICAO Contracting State provided that the requirements under which such certification was granted are at least equal to the applicable Standards specified in ICAO Annex 6 Volume 1.

2.8 Suspension

The Authority shall suspend or revoke the noise certification of an aircraft on the Seychelles register of aircraft if the aircraft ceases to comply with the applicable noise Standards.

The Authority shall not remove the suspension of a noise certification or grant a new noise certification unless the aircraft is found, on reassessment, to comply with the applicable noise Standards.

3 Engine Emissions

3.1 Engine Emissions Certification

Regulation 7 of Civil Aviation (Safety) Regulations, 2017 requires the design, production or distribution of aircraft, aircraft components or aircraft materials to be conducted in accordance with directives issued by the Authority. CAD AIRW 7-1 and 7-6 incorporates EASA Parts-21 and CS-34 as the Technical standards for this purpose. The applicable engine emission requirements for the issue of a type-certificate for an aircraft and engine are detailed in Part 21.B.85.

3.2 Recognition

The Authority shall recognise as valid, engine emission certification granted by another ICAO Contracting State provided that the requirements under which such certification was granted are at least equal to the applicable Standards specified in ICAO Annex 6 Volume 2.

The Authority shall recognise as valid, engine exemptions for an engine production cut-off requirement granted by a certificating authority of another Contracting State provided that the exemptions are granted in accordance with the process and criteria defined in the Environmental Technical Manual (Doc 9501), Volume II — Procedures for the Emissions Certification of Aircraft Engines.

3.3 Exemptions

The provisions of ICAO Annex 16 Volume 2, Chapter 2 (Turbojet and turbofan engines intended for propulsion only at subsonic speeds) shall apply to all turbojet and turbofan engines, as further specified in 2.2 and 2.3, intended for propulsion only at subsonic speeds, except when certificating authorities make exemptions for:

(a) specific engine types and derivative versions of such engines for which the type certificate of the first basic type was issued or other equivalent prescribed procedure was carried out before 1 January 1965; and

(b) a limited number of engines over a specific period of time beyond the dates of applicability specified in 2.2 and 2.3 for the manufacture of the individual engine.

4. CO2 Emissions

The applicable emission requirements for the issue of a type-certificate for an aircraft and engine CO^2 Emissions are prescribed in Annex 16 Volume 3.