



GOVERNMENT GAZETTE

OF THE

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General Notice

MINISTRY OF WORKS, TRANSPORT AND COMMUNICATION

No. 227

1997

PROPOSED CIVIL AVIATION REGULATIONS :

PART 63 - PERSONNEL : FLIGHT ENGINEER LICENSING

The Ministry of Works, Transport and Communication recently initiated the project to update the current Namibian aviation legislation. There are two main reasons for updating the aviation legislation, namely, the current legislation does not adequately reflect the policies of Namibia for the aviation sector and does not reflect recent developments within SADC. The project further aims to enhance the safety of civil aviation by ensuring that the Namibian legislation complies with the minimum

standards prescribed by the International Civil Aviation Organization.

Part of the short-term legislative reform involves the updating of the regulations made under the Aviation Act, 1962 (Act 74 of 1962).

Due to the nature and extensive range of subjects which need to be regulated, this part of the project will be executed in phases and regulations will be published accordingly. The proposed structure of the Civil Aviation Regulations is set out in Schedule 1.

All the definitions for the proposed civil aviation regulations will be contained and published in Part 1. The definitions for each Part will however be published with each set of proposed regulations, to facilitate the interpretation thereof. The definitions associated with the proposed regulations on flight engineer licensing are set out in Schedule 2.

The Director : Civil Aviation invites all interested parties to comment on the proposed structure of the Civil Aviation Regulations, the proposed definitions associated with the proposed regulations, as well as the proposed regulations on Flight Engineer Licensing, set out in Schedule 3. The proposed regulations represent Part 63 of the proposed structure.

The proposed regulations on Flight Engineer Licensing make provision for certain information to be contained in a document called Document NA-CATS-FCL. The compilation of the document does not form part of this project, but it is envisaged as a document that will contain all the technical standards regarding flight engineer licensing.

Comments or representations should be lodged in writing and should reach the

Ministry not later than **90 days** from the date of publication of this notice.

Correspondence should be addressed to:

The Director : Civil Aviation

Ministry of Works, Transport and Communication

Department of Transport

Private Bag 12003

WINDHOEK

Attention : Mr Louis Lourens

Telephone : 208-2159

Fax : 238-884

Upon expiry of the aforementioned 90 day period, all comments which have been received will be evaluated for possible incorporation into the proposed regulations on Flight Engineer Licensing and if necessary, a workshop will be held to finalise the proposed regulations.

SCHEDULE 1
NAMIBIAN CIVIL AVIATION REGULATIONS STRUCTURE

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SCHEDULE 2**Definitions**

In these regulations, unless the context otherwise indicates -

“approved” means approved by the Director;

“date of application” when used in connection with the issue, renewal or reissue of a licence, certificate or rating, means the date on which the application is received in a form acceptable to the Director;

“day” means the period between the end of morning civil twilight and the beginning of evening civil twilight;

“Document NA-CATS-FCL” means a document on the Namibian Civil Aviation Technical Standards relating to Flight Crew Licensing, which is published by the Director in terms of the Act;

“examiner” means an examiner designated by the Director in terms of regulation 63.01.14;

“flight” means from the moment an aircraft commences its take-off until the moment it completes its next landing;

“flight instructor” means a pilot who is the holder of the appropriate flight instructor’s rating;

“flight time” means the total time occupied in flight together with the time

occupied from the moment the aircraft first moves under its own power for the purpose of taking off until the moment it comes to rest at the end of the flight;

“maximum certificated mass” means the maximum permissible mass shown in the flight manual or other document associated with the certificate of airworthiness at which an aircraft may commence its take-off run under standard atmospheric conditions at sea-level;

“pilot-in-command” means the pilot responsible for the operation and safety of the aircraft in flight, without regard to whether or not he is manipulating the controls;

“rating” means an authorisation entered on or associated with a licence or certificate and forming part thereof, stating special conditions, privileges or limitations pertaining to such licence or certificate;

“simulator” means -

- (a) a flight procedures trainer or synthetic flight training device; or
- (b) a type specific flight simulator;

“type of aircraft” means the type as prescribed by the Director;

“valid” when used in connection with a licence, certificate or rating issued, revalidated or renewed under these regulations, means that all the requirements applicable to such licence, certificate or rating, as prescribed by these regulations, have been complied with.

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SUBPART 1**GENERAL****Applicability**

63.01.1 This Part shall apply to -

- (a) the issuing of flight engineer licences and ratings for Namibian flight engineers, the privileges and limitations of such licences and ratings, and matters related thereto; and
- (b) the validation of foreign flight engineer licences and ratings and the privileges and limitations of such validations.

Authority to act as flight engineer

63.01.2 (1) No person shall act as a flight engineer of a Namibian registered aircraft unless such person holds a valid -

- (a) flight engineer licence and rating issued, renewed or reissued by the Director in terms of this Part; or
 - (b) flight engineer licence and rating issued by an appropriate authority and validated by the Director in terms of this Part.
- (2) The holder of a flight engineer licence shall not exercise

privileges other than the privileges granted by the licence and appropriate rating held by such holder.

Validation of licence issued by appropriate authority

63.01.3 (1) The holder of a licence and rating issued by an appropriate authority, who desires to act as a flight engineer on a Namibian registered aircraft, shall apply to the Director in the appropriate form as prescribed in Document NA-CATS-FCL, for a validation of such licence and rating.

(2) The application for a validation referred to in subregulation (1) shall be accompanied by -

- (a) the appropriate fee as prescribed in Part 187;
- (b) a certified true copy of the licence and rating to which the validation pertains;
- (c) a valid medical certificate; and
- (d) in the case of a validation of a licence and rating, the privileges of which are to be exercised for commercial purposes, a temporary work permit, permanent residency permit and a letter of appointment from a Namibian employer who requires the services of the applicant.

(3) A licence and rating issued by an appropriate authority may be validated by the Director -

- (a) subject to the same restrictions which apply to such licence and rating;
 - (b) in accordance with and subject to the requirements and conditions as prescribed in Document NA-CATS-FCL; and
 - (c) in the appropriate form as prescribed in Document NA-CATS-FCL.
- (4) The duration of a validation issued by the Director shall be -
- (a) 12 months calculated from the date of issue of such validation by the Director; or
 - (b) the period of validity of the licence and rating issued by the appropriate authority concerned, whichever period is the lesser period.
- (5) The holder of a validation issued by the Director may, subject to the provisions of subregulation (6), apply to the Director for a renewal of such validation at least 21 days immediately preceding the date of expiry of such validation.
- (6) The Director may renew a validation of a licence and rating in the circumstances and on the conditions as prescribed in Document NA-CATS-FCL: Provided that a validation of a licence and rating, the privileges of which are to be exercised for commercial purposes, may only be renewed once for the same period referred to in subregulation (4).

(7) The holder of a validation issued by the Director shall comply with the provisions prescribed in this Part and the requirements and conditions as prescribed in Document NA-CATS-FCL.

(8) Notwithstanding the provisions of regulation 63.01.2(2), the Director may validate any flight engineer licence and rating issued by an appropriate authority, to authorise the holder thereof to conduct training on a particular type of aircraft to which the rating pertains, if no holder of a grade I flight instructor rating is available to conduct such training.

Competency

63.01.4 No holder of a flight engineer licence and rating shall exercise the privileges granted by the licence and rating unless such holder maintains competency by complying with the appropriate requirements prescribed in this Part.

Documentation

63.01.5 The Director shall ensure that a flight engineer licence and rating is issued in such a manner that the validity thereof may readily be determined by any appropriate authority.

Logbooks

63.01.6 (1) The holder of a flight engineer licence shall maintain a logbook and shall record therein all flight time spent as a flight engineer.

(2) The form of and information to be contained in a logbook referred to in subregulation (1) and the manner in which such logbook shall be

maintained, shall be as prescribed in Document NA-CATS-FCL.

Medical fitness

63.01.7 An applicant for or holder of a flight engineer licence shall obtain a class 1 medical certificate issued in terms of Part 67.

Ratings for flight engineers and flight engineer instructors

63.01.8 The ratings for flight engineers and flight engineer instructors are -

- (a) a type rating; and
- (b) a rating for special purposes.

Type ratings

63.01.9 Type ratings for aircraft shall comprise a rating by name for each type of aircraft, of which the design necessitates the carriage of a flight engineer, and a rating by name for each type of engine.

Ratings for special purposes

63.01.10 The ratings for special purposes shall comprise a -

- (a) grade I flight engineer instructor rating; and
- (b) grade II flight engineer instructor rating.

Register of licences

63.01.11 (1) The Director shall maintain a register of all flight engineer licences and ratings issued or validated in terms of the regulations in this Part.

(2) The register shall contain the following particulars:

- (a) The full name of the holder of the licence;
- (b) the postal address of the holder of the licence;
- (c) the date on which the licence was issued or validated;
- (d) particulars of the ratings held by the holder of the licence;
and
- (e) the nationality of the holder of the licence.

(3) The particulars referred to in subregulation (2) shall be recorded in the register within seven days from the date on which the licence or rating is issued or validated by the Director.

(4) The register shall be kept in a safe place at the office of the Director.

(5) A copy of the register shall be furnished by the Director, on payment of the appropriate fee as prescribed in Part 187, to any person who requests the copy.

Language

63.01.12 The holder of a flight engineer licence issued under this Part shall have sufficient ability in reading, speaking and understanding the English language to enable the holder to adequately carry out his or her responsibilities as a flight engineer.

Retesting after failure

63.01.13 An applicant for the issuing of a flight engineer licence or rating who fails a theoretical knowledge examination, required for such licence or rating, may apply for retesting after the appropriate period specified in Document NA-CATS-FCL.

Designation of examiner

63.01.14 (1) The Director may designate an examiner to -

(a) conduct skill tests and to complete skill test reports required for the reissuing of type ratings; and

(b) conduct skill tests and to complete skill test reports required for the issuing and reissuing of flight engineer instructor ratings.

(2) The privileges referred to in subregulation (1) shall be exercised and performed according to the conditions, rules, requirements, procedures or standards as prescribed in Document NA-CATS-FCL.

(3) The Director shall sign and issue to each designated examiner a document which shall state the full name of such examiner and contain a statement that -

(a) such examiner has been designated in terms of subregulation (1); and

(b) such examiner is empowered to exercise the privileges referred to in subregulation (1).

Suspension and cancellation of licence and appeal

63.01.15 (1) A flight inspector may suspend for a period not exceeding 30 days, a flight engineer licence, validation or rating if -

(a) it is evident that the holder of the licence, rating or validation does not comply with the requirements prescribed in this Part, and such holder fails to remedy such non-compliance within 30 days after receiving notice in writing from the flight inspector to do so; or

(b) the suspension is necessary in the interests of aviation safety.

(2) The flight inspector who has suspended a licence, rating or validation in terms of subregulation (1), shall deliver a report in writing to the Director, stating the reasons why, in his or her opinion, the suspended licence, rating or validation should be cancelled.

(3) The flight inspector concerned shall submit a copy of the report referred to in subregulation (2), to the holder of the licence, rating or validation which has been suspended, and shall furnish proof of such submission for the information of the Director.

(4) The holder of a licence, rating or validation who feels aggrieved by the suspension of the licence, rating or validation, may appeal against such suspension to the Director, within 30 days after such holder becomes aware of such suspension.

(5) An appellant shall deliver an appeal in writing, stating the reasons why, in his or her opinion, the suspension should be varied or set aside.

(6) The appellant shall submit a copy of the appeal and any documents or records supporting such appeal, to the flight inspector concerned and shall furnish proof of such submission for the information of the Director.

(7) The flight inspector concerned may, within 30 days of receipt of the copy of the appeal referred to in subregulation (6), deliver his or her written reply to such appeal to the Director.

(8) The Director may -

- (a) adjudicate the appeal on the basis of the documents submitted to him or her; or
- (b) order the appellant and the flight inspector concerned to appear before him or her, either in person or through a representative, at a time and place determined by him or

her, to give evidence.

(9) The Director may confirm, vary or set aside the suspension referred to in subregulation (1).

(10) The Director shall -

- (a) if he or she confirms the suspension in terms of subregulation (9); or
- (b) if a licence, rating or validation is suspended in terms of subregulation (1) and the holder thereof does not appeal against such suspension in terms of subregulation (4),

cancel the licence, rating or validation concerned.

Aviation training organisation

63.01.16 Training as required by this Part shall only be provided by the holder of an aviation training organisation approval issued in terms of Part 141.

SUBPART 2
FLIGHT ENGINEER LICENCE

Requirements for flight engineer licence

63.02.1 An applicant for the issuing of a flight engineer licence shall -

- (a) be not less than 18 years of age;
- (b) hold a valid class 1 medical certificate issued in terms of Part 67;
- (c) have acquired the experience referred to in regulation 63.02.2;
- (d) have successfully completed the training referred to in regulation 63.02.3;
- (e) have passed the theoretical knowledge examination referred to in regulation 63.02.4;
- (f) have undergone the skill test referred to in regulation 63.02.5; and
- (g) have acquired or hold -
 - (i) not less than three years' practical aeronautical engineering experience of which not less than one year shall have been obtained on a multi-engine

aircraft with a maximum certificated mass exceeding 11 400 kg;

- (ii) an approved B.Sc Aeronautical Engineering degree and not less than six months of practical experience in maintaining multi-engine aircraft with a maximum certificated mass exceeding 11 400 kg;
- (iii) a valid commercial pilot licence with a valid instrument rating; or
- (iv) a valid airline transport pilot licence.

Experience

63.02.2 An applicant for the issuing of a flight engineer licence shall have completed, under the supervision of the holder of a flight engineer instructor rating, not less than 100 hours of flight time performing the duties of a flight engineer, of which 50 hours may be acquired in a simulator.

Training

63.02.3 An applicant for the issuing of a flight engineer licence shall have successfully completed the appropriate training as prescribed in Document NA-CATS-FCL.

Theoretical knowledge examination

63.02.4 An applicant for the issuing of a flight engineer licence shall have

passed the appropriate written examination as prescribed in Document NA-CATS-FCL.

Skill test

63.02.5 (1) An applicant for the issuing of a flight engineer licence shall have demonstrated to the holder of a grade I flight engineer instructor rating the ability to perform as flight engineer of an aircraft, the duties and procedures as prescribed in Document NA-CATS-FCL, with a degree of competency appropriate to the privileges granted to the holder of a flight engineer licence.

(2) The applicant shall undergo the skill test referred to in subregulation (1) within 24 months of passing the theoretical knowledge examination referred to in regulation 63.02.4 and within 90 days immediately preceding the date of application.

Application for flight engineer licence

63.02.6 An application for a flight engineer licence shall be -

- (a) made to the Director in the appropriate form as prescribed in Document NA-CATS-FCL; and
- (b) accompanied by -
 - (i) original or certified proof of -
 - (aa) the identity of the applicant; and
 - (bb) the age of the applicant;

- (ii) a valid class 1 medical certificate issued in terms of Part 67;
- (iii) original or certified proof that the applicant has passed the theoretical knowledge examination referred to in regulation 63.02.4;
- (iv) the skill test report as prescribed in Document NA-CATS-FCL;
- (v) the valid commercial pilot licence, airline transport pilot licence, proof of the practical aeronautical engineering experience or B.Sc Aeronautical Engineering degree, as the case may be, held or obtained by the applicant;
- (vi) the appropriate fee as prescribed in Part 187; and
- (vii) two recent passport size photographs of the applicant.

Issuing of flight engineer licence

63.02.7 (1) The Director shall issue a flight engineer licence if the applicant complies with the requirements referred to in regulation 63.02.1.

(2) A flight engineer licence shall be issued in the appropriate form as prescribed in Document NA-CATS-FCL.

(3) Upon the issuing of a flight engineer licence the holder thereof shall forthwith affix his or her signature in ink in the space on the licence provided for such purpose.

Period of validity

63.02.8 A flight engineer licence shall be valid for an indefinite period: Provided that the privileges of the licence shall not be exercised by the holder thereof unless -

- (a) he or she is the holder of a valid class 1 medical certificate issued in terms of Part 67;
- (b) he or she holds a valid type rating.

Privileges

63.02.9 The holder of a valid flight engineer licence shall be entitled to act as a flight engineer -

- (a) in any aircraft in respect of which he or she is the holder of a type rating;
- (b) in an aircraft of a type other than that in respect of which he or she is the holder of a type rating, if he or she so acts under the direct supervision of the holder of a flight

engineer licence with a type rating appropriate to that aircraft, or if he or she acts in an aircraft on which a flight engineer is not required, under the direct supervision of the pilot-in-command of that aircraft.

SUBPART 3
TYPE RATINGS

Requirements for type rating

- 63.03.1** (1) An applicant for the issuing of a type rating shall -
- (a) have successfully completed the training referred to in regulation 63.03.2;
 - (b) have passed the theoretical knowledge examination referred to in regulation 63.03.3; and
 - (c) have undergone the skill test referred to in regulation 63.03.4; and
 - (d) have complied with the requirements for a flight engineer licence referred to in regulation 63.02.1.
- (2) An applicant for the issuing of any additional type rating shall -
- (a) hold a valid flight engineer licence;
 - (b) comply with the requirements prescribed in regulation 63.03.3;
 - (c) submit to the Director his or her logbook or a certificate signed by the holder of a grade I flight engineer instructor rating, showing that he or she has completed, during the 12 months immediately preceding the date of application,

not less than 50 hours of flight time in the performance of the duties of a flight engineer on board the type of aircraft to which the application relates, or one with similar characteristics; and

- (d) have undergone the skill test referred to in regulation 63.03.4, in the type of aircraft to which the application relates.

Training

63.03.2 An applicant for the issuing of a type rating shall have successfully completed the appropriate training as prescribed in Document NA-CATS-FCL.

Theoretical knowledge examination

63.03.3 An applicant for the issuing of a type rating shall have passed the appropriate written examination as prescribed in Document NA-CATS-FCL.

Skill test

63.03.4 An applicant for the issuing of a type rating shall have demonstrated to the holder of a grade I flight engineer instructor rating, the ability to perform the procedures and manoeuvres as prescribed in Document NA-CATS-FCL, with a degree of competency appropriate to the privileges granted to the holder of such type rating.

Temporary certificate of competency

63.03.5 The holder of a grade I flight engineer instructor rating may issue the applicant for the issuing of a type rating, with a temporary certificate of competency,

which shall permit the applicant to exercise the privileges of such type rating, for a period of 30 days calculated from the date of issue of such temporary certificate.

Application for type rating

63.03.6 An application for a type rating shall be -

- (a) made to the Director in the appropriate form as prescribed in Document NA-CATS-FCL; and
- (b) accompanied by -
 - (i) original or certified proof that the applicant has passed the theoretical knowledge examination referred to in regulation 63.03.3.
 - (ii) the skill test report as prescribed in Document NA-CATS-FCL; and
 - (iii) the appropriate fee as prescribed in Part 187.

Issuing of type rating

63.03.7 (1) The Director shall issue a type rating if the applicant complies with the requirements referred to in regulation 63.03.1.

(2) A type rating shall be issued in the appropriate form as prescribed in Document NA-CATS-FCL.

Period of validity

63.03.8 A type rating shall be valid for a period of 12 months calculated from the date of issue or reissue of the rating or from the date of expiry of the rating if such rating is renewed in accordance with the provisions of regulation 63.03.10.

Privileges

63.03.9 The holder of a valid type rating shall be entitled to act as a flight engineer in the type of aircraft for which the holder is rated.

Renewal

63.03.10 (1) To renew a type rating, the holder of the rating shall -

- (a) within the 12 months immediately preceding the date of expiry of such rating, have completed not less than 50 hours of flight time as flight engineer of an aircraft for which the holder is type rated; and
- (b) within 90 days immediately preceding the date of expiry of such rating, have undergone a proficiency check as prescribed in Document NA-CATS-FCL, conducted by the holder of a grade I flight engineer instructor rating.

(2) The holder of a grade I flight engineer instructor rating shall upon compliance with the requirements prescribed in subregulation (1)(a) or (b) by the holder of the rating -

- (a) provide the Director with the appropriate certificate of competency as prescribed in Document NA-CATS-FCL;

- (b) sign the appropriate page of the licence of such holder;
and
- (c) endorse the logbook of such holder.

(3) If the result of the proficiency check contemplated in subregulation (1) reveals that the holder of the rating has failed to maintain the minimum standard required to exercise the privileges referred to in regulation 63.03.9, the holder of the grade I flight engineer instructor rating shall -

- (a) report such result to the Director; and
- (b) not sign the appropriate page of the licence of the holder of the rating.

Reissue

63.03.11 (1) To reissue a type rating which has expired due to the lapse of the period referred to in regulation 63.03.8, the holder of such expired rating shall -

- (a) within 12 months immediately preceding the date of application, have completed not less than eight hours of flight time as flight engineer under the supervision of the holder of a flight engineer rating; and
- (b) demonstrate to a designated examiner the procedures and manoeuvres referred to in regulation 63.03.4.

(2) The designated examiner shall, upon compliance with the

requirements prescribed in subregulation (1)(a) and (b) by the holder of the expired rating -

- (a) provide the Director with the skill test report as prescribed in Document NA-CATS-FCL;
- (b) sign the appropriate page of the licence of such holder;
and
- (c) endorse the logbook of such holder.

(3) If the result of the skill test contemplated in subregulation (1) reveals that the holder of the expired rating has failed to maintain the minimum standard required to exercise the privileges referred to in regulation 63.03.9, the designated examiner shall -

- (a) report such result to the Director; and
- (b) not sign the appropriate page of the licence of the holder of the expired rating.

SUBPART 4**GRADE I FLIGHT ENGINEER INSTRUCTOR RATING****Requirements for grade I flight engineer instructor rating**

63.04.1 An applicant for the issuing of a grade I flight engineer instructor rating shall -

- (a) hold a valid flight engineer licence, type rating and grade II flight instructor rating;
- (b) have acquired the experience referred to in regulation 63.04.2;
- (c) have successfully completed the training referred to in regulation 63.04.3;
- (d) have passed the theoretical knowledge examination referred to in regulation 63.04.4; and
- (e) have undergone the skill test referred to in regulation 63.04.5.

Experience

63.04.2 An applicant for the issuing of a grade I flight engineer instructor rating shall have at least three years experience as a grade II flight engineer instructor, during which he or she shall have given not less than 500 hours of flight engineer instruction.

Training

63.04.3 An applicant for the issuing of a grade I flight engineer instructor rating shall have successfully completed the appropriate training as prescribed in Document NA-CATS-FCL.

Theoretical knowledge examination

63.04.4 An applicant for the issuing of a grade I flight engineer instructor rating shall have passed the appropriate written examination as prescribed in Document NA-CATS-FCL.

Skill test

63.04.5 (1) An applicant for the issuing of a grade I flight engineer instructor rating shall demonstrate to a designated examiner the ability to perform the procedures as prescribed in Document NA-CATS-FCL, with a degree of competency appropriate to the privileges granted to the holder of a grade I flight engineer instructor rating.

(2) The applicant shall undergo the skill test referred to in subregulation (1) within six months of passing the theoretical knowledge examination referred to in regulation 63.04.4 and within 90 days immediately preceding the date of application.

Application for grade I flight engineer instructor rating

63.04.6 An application for a grade I flight engineer instructor rating shall be -

- (a) made to the Director in the appropriate form as prescribed in Document NA-CATS-FCL;

- (b) accompanied by -
- (i) original or certified proof that the applicant has passed the theoretical knowledge examination referred to in regulation 63.04.4;
 - (ii) the skill test report as prescribed in Document NA-CATS-FCL;
 - (iii) the flight engineer licence, type rating and grade II flight engineer instructor rating of the applicant; and
 - (iv) the appropriate fee as prescribed in Part 187.

Issuing of grade I flight engineer instructor rating

63.04.7 (1) The Director shall issue a grade I flight engineer instructor rating if the applicant complies with the requirements referred to in regulation 63.04.1.

(2) A grade I flight engineer instructor rating shall be issued on the appropriate form as prescribed in Document NA-CATS-FCL.

Period of validity

63.04.8 A grade I flight engineer instructor rating shall be valid for a period of three years calculated from the date of issue or reissue of the rating or from the date of expiry of the rating if such rating is renewed in accordance with the provisions of regulation 63.04.10.

Privileges

63.04.9 (1) The holder of a valid grade I flight engineer instructor rating shall be entitled to exercise the privileges of such rating in the type of aircraft for which the holder is rated.

- (2) The holder of a valid grade I flight engineer instructor rating -
- (a) may give flight engineer instruction for the issuing of a flight engineer licence or type rating; and
 - (b) may assess any applicant for the issuing of a flight engineer licence or type rating and complete the appropriate skill test report and certificate of competency.

Renewal

63.04.10 (1) To renew a grade I flight engineer instructor rating, the holder of the rating shall within the 90 days immediately preceding the date of expiry of such rating, comply with any two of the following requirements:

- (a) Give not less than 50 hours flight engineer instruction within the three years preceding the date of expiry, of which not less than 30 hours shall be given within the 12 months immediately preceding the date of expiry of such rating;
- (b) attend a flight engineer instructor refresher seminar as prescribed in Document NA-CATS-FCL;

(c) undergo the skill test referred to in regulation 63.04.5.

(2) The designated examiner shall, upon compliance with the requirements referred to in subregulation (1) by the holder of the rating -

(a) provide the Director with the skill test report as prescribed in Document NA-CATS-FCL;

(b) sign the appropriate page of the licence of such holder; and

(c) endorse the logbook of such holder.

(3) If the result of the skill test contemplated in subregulation (1) reveals that the holder of the rating has failed to maintain the minimum standard required to exercise the privileges referred to in regulation 63.04.9, the designated examiner shall -

(a) report such result to the Director; and

(b) not sign the appropriate page of the licence of the holder of the rating.

Reissue

63.04.11 (1) The holder of a grade I flight engineer instructor rating which has expired due to the lapse of the period referred to in regulation 63.04.8, may, before a further period of 60 months, calculated from the date of expiry of the rating, has lapsed, apply for the reissuing of the expired rating.

(2) The Director shall reissue the expired rating if the applicant

has -

- (a) complied with the requirements for the reissue of an expired grade II flight engineer instructor rating prescribed in regulation 63.05.11(1);
- (b) given not less than 50 hours flight engineer instruction as the holder of a grade II flight engineer instructor rating reissued in terms of regulation 63.05.11; and
- (c) undergone the skill test referred to in regulation 63.04.5.

(3) An application for the reissuing of the expired rating shall be

accompanied by -

- (a) the grade II flight engineer instructor rating reissued in terms of regulation 63.05.11;
- (b) a copy of the relevant page of the logbook of the applicant;
- (c) the skill test report as prescribed in Document NA-CATS-FCL; and
- (d) the appropriate fee as prescribed in Part 187.

(4) If a period of 60 months has lapsed after the date of expiry of the rating, the holder of the expired rating may apply to the Director for the reissuing

of the rating and the Director shall reissue the rating if the applicant complies with the requirements for a grade I flight engineer instructor rating referred to in regulation 63.04.1.

(5) The provisions of regulation 63.04.6 shall apply *mutatis mutandis* to an application referred to in this regulation.

SUBPART 5**GRADE II FLIGHT ENGINEER INSTRUCTOR RATING****Requirements for grade II flight engineer instructor rating**

63.05.1 An applicant for the issuing of a grade II flight engineer instructor rating shall -

- (a) hold a valid flight engineer licence and type rating;
- (b) have acquired the experience referred to in regulation 63.05.2;
- (c) have successfully completed the training referred to in regulation 63.05.3;
- (d) have passed the theoretical knowledge examination referred to in regulation 63.05.4; and
- (e) have undergone the skill test referred to in regulation 63.05.5.

Experience

63.05.2 An applicant for the issuing of a grade II flight engineer instructor rating shall have completed a training course during which not less than 25 hours of flight instruction shall have been given under the supervision of the holder of a grade I flight engineer instructor rating.

Training

63.05.3 An applicant for the issuing of a grade II flight engineer instructor rating shall have successfully completed the appropriate training as prescribed in Document NA-CATS-FCL.

Theoretical knowledge examination

63.05.4 An applicant for the issuing of a grade II flight engineer instructor rating shall have passed the appropriate written examination as prescribed in Document NA-CATS-FCL.

Skill test

63.05.5 (1) An applicant for the issuing of a grade II flight engineer instructor rating shall demonstrate to a designated examiner the ability to perform the procedures as prescribed in Document NA-CATS-FCL, with a degree of competency appropriate to the privileges granted to the holder of a grade II flight engineer instructor rating.

(2) The applicant shall undergo the skill test referred to in subregulation (1) within six months of passing the theoretical knowledge examination referred to in regulation 63.05.4 and within 90 days immediately preceding the date of application.

Application for grade II flight engineer instructor rating

63.05.6 An application for a grade II flight engineer instructor rating shall be -

- (a) made to the Director in the appropriate form as prescribed in Document NA-CATS-FCL;
- (b) accompanied by -
 - (i) original or certified proof that the applicant has passed the theoretical knowledge examination referred to in regulation 63.05.4;
 - (ii) the skill test report as prescribed in Document NA-CATS-FCL;
 - (iii) the flight engineer licence and type rating of the applicant; and
 - (iv) the appropriate fee as prescribed in Part 187.

Issuing of grade II flight engineer instructor rating

63.05.7 (1) The Director shall issue a grade II flight engineer instructor rating if the applicant complies with the requirements referred to in regulation 63.05.1.

(2) A grade II flight engineer instructor rating shall be issued on the appropriate form as prescribed in Document NA-CATS-FCL.

Period of validity

63.05.8 A grade II flight engineer instructor rating shall be valid for a period of three years calculated from the date of issue or reissue of the rating or from the

date of expiry of the rating if such rating is renewed in accordance with the provisions of regulation 63.05.10.

Privileges

63.05.9 (1) The holder of a valid grade II flight engineer instructor rating shall be entitled to exercise the privileges of such rating in the type of aircraft for which the holder is rated.

(2) The holder of a valid grade II flight engineer instructor rating may give flight engineer instruction for the issuing of a flight engineer licence or type rating.

Renewal

63.05.10 (1) To renew a grade II flight engineer instructor rating, the holder of the rating shall within the 90 days immediately preceding the date of expiry of such rating, comply with any two of the following requirements:

- (a) Give not less than 50 hours flight engineer instruction within the three years preceding the date of expiry, of which not less than 30 hours shall be given within the 12 months immediately preceding the date of expiry of such rating;
- (b) attend a flight engineer instructor refresher seminar as prescribed in Document NA-CATS-FCL;
- (c) undergo the skill test referred to in regulation 63.05.5.

(2) The designated examiner shall, upon compliance with the requirements referred to in subregulation (1)(a) and (b) by the holder of the rating -

- (a) provide the Director with the skill test report as prescribed in Document NA-CATS-FCL;
- (b) sign the appropriate page of the licence of such holder;
and
- (c) endorse the logbook of such holder.

(3) If the result of the skill test contemplated in subregulation (1) reveals that the holder of the rating has failed to maintain the minimum standard required to exercise the privileges referred to in regulation 63.05.9, the designated examiner shall -

- (a) report such result to the Director; and
- (b) not sign the appropriate page of the licence of the holder of the rating.

Reissue

63.05.11 (1) If a grade II flight engineer instructor rating expires due to the lapse of the period referred to in regulation 63.05.8, the holder thereof may apply to the Director for the reissuing of the expired rating before a further period of 60 months, has lapsed, if such holder has, in the 90 days preceding the date of application -

- (a) attended a flight engineer instructor refresher seminar as

prescribed in Document NA-CATS-FCL; and

(b) undergone the skill test referred to in regulation 63.05.5.

(2) An application for the reissuing of the expired rating shall be accompanied by -

(a) original or certified proof that the applicant has attended the flight engineer instructor refresher seminar referred to in regulation (1)(a);

(b) the skill test report referred to in subregulation (1)(b);
and

(c) the appropriate fee as prescribed in Part 187.

(3) A grade II flight engineer instructor rating which has expired due to the lapse of the period referred to in regulation 63.05.8, and after a further period of 60 months has lapsed, shall be reissued by the Director if the holder of such expired flight engineer instructor rating complies with the requirements for the initial issue of a grade II flight engineer instructor rating.

(4) The provisions of regulation 63.05.6 shall apply *mutatis mutandis* to an application referred to in this regulation.