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GOVERNMENT NOTICE

DEPARTMENT OF TRANSPORT

No. R. 999

11 July 2003

AVIATION ACT 1962**PROPOSED AMENDMENT TO THE CIVIL AVIATION REGULATIONS, 1997**

Under regulation 11.03.2(1)(a) of the Civil Aviation Regulations, the Chairperson of the Civil Aviation Regulations Committee (CARCOM) hereby publishes for comment the proposed amendment(s) to the Civil Aviation Regulations, 1997, as set out in the schedule(s). Any comments or representations on the proposed amendment(s) should be lodged in writing with the Chairperson of the Civil Aviation Regulations Committee, for attention Mr. Kim Gorrige or Mr. Herman Wildenboer, Private Bag X08, Waterkloof, 0145, fax: (012) 346-5979, or e-mail at • [HYPERLINK mailto:goringek@caa.co.za](mailto:goringek@caa.co.za) • goringek@caa.co.za or • [HYPERLINK mailto:wildenboerh@caa.co.za](mailto:wildenboerh@caa.co.za) • wildenboerh@caa.co.za, before or on 11 August 2003.

SCHEDULE 1**1. Proposal to amend Part 1 of the Civil Aviation Regulations of 1997****Proposer:**

Civil Aviation Authority
Private Bag X08
Waterkloof
0145

(All the proposals contained in this document emanates from the Civil Aviation Authority, unless otherwise indicated)

Explanation of interest of the Proposer

The Proposer administers the Aviation Act, 1962 (Act No. 74 of 1962) and regulations and technical standards issued in terms thereof.

1.1 Proposed amendment of Part 1

It is proposed to amend regulation 1.00.1 of Part 1 by the insertion of the following new definition:

“**ab initio**”, when referring to flight training, means the practical training required towards the first issue of a recreational or private pilot licence, issued in terms of Part 61 or Part 62 of these regulations, or for the endorsement of such a licence with an additional category of aircraft, and for the purpose of regulation 91.02.3 excludes cross-country flight training;”

1.2 Motivation:

The expression is used in sub-regulation 91.02.3(3)(b). Since it has not been defined, it causes uncertainty as to what specific flight training the flight time limitation for flight instructors refers. Cross-country flight training is excluded from the instructor’s flight time limitation as conducting cross-country flight training is not considered to be as demanding as training in the other exercises of the training syllabus.

1.3 Current regulation:

The proposal is for a new definition. However, the above referred-to sub-regulation reads as follows:

“Flight crew member responsibilities

91.02.3 (3) ... no person shall act as a flight crew member of an aircraft if, prior to each flight, the flight time exceeds, or is likely to exceed, the permissible aggregate of –

- (a) ...
- (b) in the case of flight instructors conducting *ab initio* training, six hours within one calendar day;”

SCHEDULE 2

2. Proposal to amend Part 61 of the Civil Aviation Regulations, 1997

2.1 Proposed Part 61.38

It is hereby proposed to insert the attached new Subpart 61.38 ‘Aerobatics Rating’ into Part 61 of the CAR.

SUBPART 38: AEROBATICS RATING**Requirements for aerobatics rating (graduate)**

61.38.1 An applicant for the issuing of an aerobatics rating (graduate) shall :-

- (a) hold at least a valid private pilot license (aeroplane);
- (b) be a member of an organisation, approved or designated by the Commissioner as an aerobatics sport controlling body, as listed in Document SA-CATS-FCL;
- (c) have completed the training referred to in regulation 61.38.2
- (d) hold the appropriate type rating for the aeroplane; and
- (e) passed the skill test, referred to in regulation 61.38.3

Training

61.38.2 The applicant shall have completed the aerobatics training course prescribed in Document SA-CATS-61.

Skill Test

61.38.3 The applicant shall demonstrate to an Aerobatics Examiner, as appointed by an approved or designated aerobatics sport controlling body and ratified by the Commissioner, that he or she can fly a linked sequence of spin, loop, stall turn and roll in a safe and controlled manner. The skill test shall have been passed within 30 days immediately preceding the date of application.

Application for an aerobatics rating (graduate)

61.38.4 An application for the issuing of an aerobatics rating (graduate) shall:

- (a) be made to the issuing authority, referred to in regulation 61.38.5, in the appropriate form as described in Document SA-CATS-FCL;
- (b) be accompanied by the skill test report as prescribed in Document SA-CATS-FCL; and
- (c) be accompanied by the prescribed fee, which shall be not more than the fee prescribed in Part 187, if set by an issuing authority other than the Commissioner.

Issuing of an aerobatics rating (graduate)

61.38.5 (1) The issuing authority, as specified in Document SA-CATS-FCL, shall issue an aerobatics rating (graduate) if the applicant complies with the requirements referred to in regulation 61.38.1.

(2) An aerobatics rating (graduate) shall be issued in the appropriate format as prescribed in Document SA-CATS-FCL.

Classes of aerobatics ratings

61.38.6 (1) The holder of an aerobatics rating (graduate) may apply for any of the following classes of aerobatics ratings:

- (a) sportsman;
- (b) intermediate;
- (c) advanced; and
- (d) unlimited.

(2) An aerobatics rating in any of the classes, referred to in sub-regulation (1), shall be issued if the candidate has complied with the appropriate requirements as set out in Document SA-CATS-FCL.

(3) The provisions of regulations 61.38.4 and 61.38.5 shall apply *mutatis mutandis* to the application for, and the issue of the ratings referred to in sub-regulation (1).

Privileges of an aerobatics rating

61.38.7 Provided he or she is a member in good standing of an approved or designated aerobatics sport controlling body, the holder of an aerobatics rating shall be entitled, within the privileges of his or her pilot licence, to –

- (a) fly all the manoeuvres, figures and sequences pertaining to the class for which he or she holds the appropriate rating;
 - (b) practice all the manoeuvres, figures and sequences pertaining to the class immediately above the one for which he or she holds a rating;
 - (c) participate in any aerobatics event, sanctioned by an approved or designated aerobatics sport controlling body; and
 - (d) apply for a display authorisation, as contemplated in Part 98 of these Regulations.
-

Period of validity

61.38.8 An aerobatics rating shall be valid for the period of one year from the date of issue, provided the pilot licence of the holder is valid

Revalidation

61.38.9 The procedure for the revalidation of an aerobatics rating shall be in accordance with Document SA-CATS-FCL.

Reissue

61.38.10 An aerobatics rating, which has been invalidated due to not having been revalidated in time in accordance with the provisions of regulation 61.38.9 may be reissued after its holder has applied for, and meets the conditions for its initial issue, as prescribed in this Subpart.

2.2 Motivation:

No such rating exists currently.

Following a meeting last year between representatives of the Aerobatic Club of South Africa, a section of the Aero Club of South Africa (AcoSA) and senior members of the CAA it was established that, due to lack of legal requirements for aerobatics, this sector of General Aviation is not sufficiently regulated, resulting in unnecessary accidents in the past. It was then proposed that an aerobatics rating be included in the new Part 61, the same way as any other rating.

The Regulations Review Project Team then developed a first draft, which has been workshopped through email exchange with the major players in the field of aerobatics.

By the end of March 2003, this working group submitted no further comments. The proposed new regulations and technical standards are hereby submitted for general comment and approval in terms of Part 11 of the CAR.

2.3 Current regulations

No regulations for the issue of an Aerobatics Rating exist.

Schedule 3**3. Proposal for the amendment of Part 65 of the Civil Aviation Regulations, 1997**

3.1 Proposed amendment of Regulation 65.02.6 (Period of validity of air traffic licence)

Amend sub-regulation **65.02.6 (2)** to read as follows:

65.02.6 (2) The holder of an air traffic service licence and rating shall submit copies of all documentation reflecting continued maintenance of competency to the Commissioner within 21 days after compliance with the appropriate requirements prescribed in this Part.

3.2 Motivation:

The current period of 7 days allowed for transmission of documentation to the Commissioner is completely inadequate and nearly always leads to the licence holder being in contravention of the regulation. A period of 21 days will allow adequate time and is much more practical.

3.3 Current Regulation:

65.02.6 (2) The holder of an air traffic service licence and rating shall submit copies of all documentation reflecting continued maintenance of competency to the Commissioner within 7 days after compliance with the appropriate requirements prescribed in this Part.

SCHEDULE 4

4. Proposal to amend Part 66 of the Civil Aviation Regulations, 1997

4.1 Proposed substitution of Part 66 'Aircraft Maintenance Engineer Licensing'

It is proposed to substitute the attached draft Part 66 for the existing Part 66.

4.2 Motivation:

To bring Part 66 in line with ICAO requirements and incorporate latest best international practices, and to provide for the certification of Approved Persons.

4.3 Current Part 66

The current Part 66 is as published in 1997. It is available in Beek-Aviation Legislation in South Africa-(Volume 2) and on the CAA web site <http://www.caa.co.za>

PART 66

AIRCRAFT MAINTENANCE ENGINEER LICENSING

LIST OF REGULATIONS

AIRCRAFT MAINTENANCE ENGINEER LICENSING

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- 66.10.18 Responsibilities of certificate holder
- 66.10.19 Suspension and cancellation of approved person certificate and appeal

SUBPART 1 GENERAL**Applicability**

66.01.1 This part shall apply to –

- (a) the issuing of licences and ratings for South African aircraft maintenance engineers, and Non Type Certificated Aircraft (NTCA) approved persons, the privileges and limitations of such licences and ratings;
- (b) the validation of foreign aircraft maintenance engineer licences and ratings, and the privileges and limitations of such validations; and
- (c) matters related thereto.

Authority to act as aircraft maintenance engineer or NTCA approved person.

- 66.01.2** (1) No person shall act as a maintenance engineer of an aircraft unless such person is the holder of a valid aircraft maintenance engineer licence or NTCA approved person certification with the appropriate rating, issued or validated by the Commissioner in terms of this Part.
- (2) The holder of an aircraft maintenance engineer licence or NTCA approved person certificate shall not exercise privileges other than the privileges granted by the licence or the certificate and the appropriate rating held by such holder.

Categories of licences

66.01.3 The Categories of aircraft maintenance engineer licences are –

- (a) Category A, C and W maintenance engineer licence for periodic inspections, minor repairs, modifications and installations; and
- (b) Class B, D and X aircraft maintenance engineer licence for overhauls, major repairs and modifications.

Groups of airframes and engines

- 66.01.4** (1) For the purposes of licensing aircraft maintenance engineers, type certificated and non type certificated airframes are classified into the following groups:
- (a) *Group 1* – aeroplanes of fabric- or composite-covered wooden construction with a maximum certificated mass of 5 700 kilograms or less;
 - (b) *Group 2* – aeroplanes of composite construction with a maximum certificated mass of 5 700 kilograms or less;
 - (c) *Group 3* – aeroplanes of fabric-covered tubular-metal, aluminium and wooden construction with a maximum certificated mass of 5 700 kilograms or less;
 - (d) *Group 4* - Balloons and airships
 - (e) *Group 5* – unpressurised aeroplanes of all-metal construction with a maximum certificated mass of 5 700 kilograms or less;
 - (f) *Group 6* – pressurised aeroplanes of all-metal construction with a maximum certificated mass of 5 700 kilograms or less;

- (g) *Group 7* – unpressurised aeroplanes of all-metal construction with a maximum certificated mass exceeding 5 700 kilograms;
 - (h) *Group 8* – rotorcraft with a maximum certificated mass of 3 175 kilograms or less, powered by reciprocating or turbine jet engines;
 - (i) *Group 9* – pressurised aeroplanes of all-metal construction with a maximum certificated mass exceeding 5 700 kilograms;
 - (j) *Group 10* – rotorcraft with a maximum certificated mass exceeding 3 175 kilograms, powered by reciprocating or turbine jet engines
 - (k) *Group 11* – aeroplanes of composites construction with a maximum certificated mass exceeding 5 700 kilograms; and
 - (l) *Group 12* – all other aircraft
- (2) For the purposes of licensing aircraft maintenance engineers, type certificated and non-type certificated engines are classified into the following groups:
- (a) *Group 01* – all horizontally-opposed and in-line normally-aspirated reciprocating engines;
 - (b) *Group 02* – all horizontally-opposed and in-line turbo-normalised, turbo-charged and supercharged reciprocating engines;
 - (c) *Group 03* – all radial reciprocating engines;
 - (d) *Group 04* – all turbine jet engines,
 - (e) *Group 05* – all other engines.

Categories of ratings

- 66.01.5 (1) The categories of ratings for an aircraft maintenance engineer licence are –
- (a) a Category A rating, for all types of –
 - (i) aeroplanes registered in the Republic, either singly or in the groups referred to in Regulation 66.01.4; or
 - (ii) rotorcraft registered in the Republic, either singly or in the groups referred to in Regulation 66.01.4;
 - (b) a Category C rating, for all types of engines installed in –
 - (i) aeroplanes registered in the Republic, either singly or in the groups referred to in Regulation 66.01.4; or
 - (ii) rotorcraft registered in the Republic, either singly or in the groups referred to in Regulation 66.01.4; and
 - (c) a Category W rating, for –
 - (i) the installation of compasses;
 - (ii) the installation of engine ignition equipment;
 - (iii) the installation of instruments, including or excluding electrically operated instruments;
 - (iv) the installation of electrical equipment;
 - (v) the installation of automatic pilots; or
 - (vi) the installation of avionic equipment, including or excluding equipment employing pulse techniques; installed in aircraft registered in the Republic.

- (2) The categories of ratings for an aircraft maintenance engineer licence are –
- (a) a Category B rating, for all types of –
 - (i) aeroplanes registered in the Republic, either singly or in the groups referred to in Regulation 66.01.4; or
 - (ii) rotorcraft registered in the Republic, either singly or in the groups referred to in Regulation 66.01.4;
 - (b) a Category D rating, for all types of engines installed in –
 - (i) aeroplanes registered in the Republic, either singly or in the groups referred to in Regulation 66.01.4; or
 - (ii) rotorcraft registered in the Republic, either singly or in the groups referred to in Regulation 66.01.4; and
 - (c) a Category X rating, for –
 - (i) the overhaul, installation and compensation of compasses in aircraft;
 - (ii) the overhaul, repair, modification, and installation of engine ignition equipment;
 - (iii) the overhaul, repair, modification and installation of fixed and variable pitch propellers;
 - (iv) the overhaul, repair, modification and installation of aircraft and engine instruments, including or excluding electrically operated instruments;
 - (v) the overhaul, repair, modification and installation of electrical equipment;
 - (vi) the overhaul, repair, modification and installation of automatic pilots;
 - (vii) the overhaul, repair, modification and installation of avionic equipment, including or excluding equipment employing pulse techniques; or
 - (viii) the carrying out of welding processes, in aircraft registered in the Republic.
- (3) The categories of aircraft maintenance instructor ratings are –
- (a) a Grade One aircraft maintenance instructor rating; and
 - (b) a Grade Two aircraft maintenance instructor rating.
- (4) A Category C rating for a particular type of engine installed in a rotorcraft shall be granted only in conjunction with a Category A rating for the type of rotorcraft in which the engine is installed.

Competency

66.01.6 The holder of an aircraft maintenance engineer licence with the appropriate rating shall not exercise the privileges granted by the licence and the appropriate rating unless such holder maintains competency by complying with the appropriate requirements prescribed in this Part.

Consumption of alcohol and drugs

- 66.01.7** (1) An aircraft maintenance engineer shall –
- (a) not consume any liquor less than 12 hours prior to the specified reporting time for duty;
 - (b) not commence a duty period while the concentration of alcohol in any specimen of blood taken from any part of his or her body is more than 0,02 gram per 100 millilitres;
 - (c) not consume alcohol during a duty period or whilst on standby for duty;
 - (d) not commence a duty period while under the influence of liquor or any drug having a narcotic effect.
- (2) The use of any legally administered drug, or medicines, including those used for the treatment of a disease or disorder, which has been shown to exhibit adverse side effects that affect the decision making ability of the user, shall be administered according to medical advice. No other drug shall be used.
- (3) Certifying staff are responsible for ensuring that their physical condition and psychological integrity does not affect adversely their ability to satisfactorily certify the work for which they carry responsibility. Of particular importance in this context is eyesight, including colour vision where applicable.

Language

- 66.01.8** (1) Aircraft maintenance engineers and certifying staff shall have sufficient ability in reading, speaking and understanding the English language to enable them to adequately carry out their responsibilities. They must be able to read, write and communicate to an understandable level in the language(s) in which the technical documentation and organisation procedures necessary to support the issue of the certificate of release to service are written. The required ability shall be demonstrated as prescribed in Document SA-CATS-AMEL.
- (2) Before an aircraft is imported into the Republic of South Africa, all documentation shall be translated into the English language.

Validation of licence issued by appropriate authority

- 66.01.9** (1) The holder of an aircraft maintenance engineer licence issued by an appropriate authority, who desires to act as an aircraft maintenance engineer in the Republic, shall apply to the Commissioner for the validation of such licence on the appropriate form as prescribed in Document SA-CATS-AMEL.

- (2) An application for a validation, referred to in sub-regulation (1), shall be accompanied by –
 - (a) the appropriate fee as prescribed in Part 187; and
 - (b) the licence to which the validation pertains.
- (3) An aircraft maintenance engineer licence, issued by an appropriate authority, may be validated by the Commissioner subject to the same limitations which apply to the licence, and in accordance with and subject to the requirements and conditions as prescribed in Document SA-CATS-AMEL.
- (4) An aircraft maintenance engineer licence, issued by an appropriate authority, shall be validated by the Commissioner –
 - (a) in the appropriate form as prescribed in Document SA-CATS-AMEL;
 - (b) for a period of 12 months, calculated from the date of validation, or for the period of validity of the licence, whichever period is the lesser period.
- (5) The Commissioner may renew the validation of an aircraft maintenance engineer licence, issued by an appropriate authority, in the circumstances and on the conditions as prescribed in Document SA-CATS-AMEL.
- (6) The holder of a validated aircraft maintenance engineer licence shall at all times comply with the regulations in this Part and the requirements and conditions as prescribed in Document SA-CATS-AMEL.

Register of licences

66.01.10 (1) The Commissioner shall maintain a register of all aircraft maintenance engineer licences issued, validated, renewed or reissued 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, validated, renewed or reissued;
 - (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 sub-regulation (2) shall be recorded in the register within seven days from the date on which the licence is issued, validated, renewed or reissued, by the Commissioner.

- (4) The register shall be kept in a safe place at the office of the Commissioner.
- (5) A copy of the register shall be furnished by the Commissioner, on payment of the appropriate fee as prescribed in Part 187, to any person who requests the copy.

Designation of examiners

- 66.01.11** (1) The Commissioner may, subject to the provisions of section 4(2) and (3) of the Act, designate an examiner, in respect of the valid rating or ratings held by the examiner, to –
- (a) issue to an applicant who meets the appropriate training and theoretical knowledge examination requirements prescribed in this Part for the issuing or the renewal of a aircraft maintenance engineer licence with a similar rating, a certificate of successful completion of course;
 - (b) certify in the record of experience logbook of an applicant for the issuing or the renewal of a aircraft maintenance engineer licence with a similar rating, that the applicant has complied with the appropriate experience requirements prescribed in this Part;
 - (c) issue to an applicant who meets the appropriate training and theoretical knowledge examination requirements prescribed in this Part for the issuing or the renewal of a Grade One or a Grade Two aircraft maintenance instructor rating with a similar valid rating, a certificate of successful completion of course; and
 - (d) certify in the record of experience logbook of an applicant for the issuing or the renewal of a Grade One or a Grade Two aircraft maintenance instructor rating with a similar valid rating, that the applicant has complied with the appropriate experience requirements prescribed in this Part.
- (2) The privileges, referred to in sub-regulation (1), shall be exercised and performed according to the conditions, rules, requirements, procedures or standards as prescribed in Document SA-CATS-AMEL.
 - (3) The Commissioner shall sign and issue to each designated examiner a document that shall state the full name of such examiner and contain a statement that –
 - (a) such examiner has been designated in terms of sub-regulation (1); and
 - (b) such examiner is empowered to exercise the privileges referred to in sub-regulation (1).

- (4) The application to be considered for designation as referred to in sub-regulation (1) shall be accompanied by –
- (a) detail of the licence and ratings to which the application applies; and
 - (b) the appropriate fee as prescribed in Part 187.

Suspension and cancellation of licence or rating and appeal

- 66.01.12** (1) An authorised officer, inspector or authorised person may suspend, for a period not exceeding 30 days, a person from exercising all or any of the privileges of his or her licence, ratings or validation if –
- (a) immediate suspension is necessary in the interests of aviation safety; or
 - (b) the authorised officer, inspector or authorised person is prevented by the holder of the licence, ratings or validation from carrying out any safety inspection and audit; or
 - (c) it is evident that the holder of the licence, rating or validation does not comply with the relevant requirements prescribed in this Part.
- (2) The notice of suspension shall be given in writing, stating the reasons for the suspension.
- (3) A person who has been suspended from exercising all or any of the privileges of his or her licence, ratings or validations in terms of sub-regulation (1) shall be afforded an opportunity to make representations against such suspension within a maximum period of seven days after such suspension, which representation shall be considered by the authorised officer, inspector or authorised person making the suspension, who may either confirm, vary or set aside the suspension.
- (4) Should no representations be received in terms of sub-regulation (3), or should the authorised officer, inspector or authorised person making the suspension, either confirm or vary the suspension after receipt of representations, such authorised officer, inspector or authorised person shall, within a period of seven days after the period, referred to in sub-regulation (s), deliver a report in writing to the Commissioner, stating the reasons why, in his or her opinion, the suspended privileges should be withdrawn.
- (5) The authorised officer, inspector or authorised person concerned shall within seven days submit a copy of the report, referred to in sub-regulation (4), to the holder of the licence, rating or validation of which some or all

of the privileges have been suspended, and shall furnish proof of such submission to the Commissioner.

- (6) The holder of a licence, rating or validation who feels aggrieved by any suspension in terms of sub-regulations (1) or (3) may appeal against such suspension to the Commissioner within 30 days after such holder has been notified in terms of sub-regulation (2) of the suspension.
- (7) The appeal, referred to in sub-regulation (6), shall be in writing, stating the reasons why, in the appellant's opinion, the suspension should be varied or set aside.
- (8) The appellant shall submit a copy of the appeal, and any documents or records supporting such appeal, to the authorised officer, inspector or authorised person concerned and shall furnish proof of such submission to the Commissioner.
- (9) The authorised officer, inspector or authorised person concerned shall, within seven days of receipt of the copy of the appeal, referred to in sub-regulation (8), deliver his or her written reply to such appeal to the Commissioner.
- (10) The Commissioner may –
 - (a) at any time –
 - (i) extend the period of suspension for a further period of 30 days, should the interests of fairness or aviation safety so require; and
 - (ii) either confirm, vary or set aside the suspension, referred to in sub-regulation (1), and impose any conditions necessary for the varying or setting aside of such suspension; and
 - (b) either adjudicate the appeal on the basis of the documents submitted to him or her; or
 - (c) order the appellant and the authorised officer, inspector or authorised person concerned to appear before him or her to give evidence, either in person or through a representative, at a time and place determined by him or her.
- (11) Before the Commissioner withdraws any privileges in terms of sub-regulation (10), he or she shall permit the holder, if he or she so wishes, to meet the relevant requirements for the issue, renewal or re-issue of the said licence, rating or validation in order to restore the privileges thereof.

- (12) With due regard for the provisions of sub-regulation (11), the Commissioner shall withdraw the privileges of the licence, ratings or validation concerned if –
- (a) he or she confirms the suspension in terms of sub-regulation (10)(a)(ii); or
 - (b) the holder does not appeal against such suspension in terms of sub-regulation (6).

Aviation training organisation

- 66.01.13** 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

Application for licence or amendment thereof

- 66.01.14** (1) An application for the issuing of a aircraft maintenance engineer licence with a Category A, B, C, D, W or X rating, shall be-
- (a) made to the Commissioner in the appropriate form as prescribed in Document SA-CATS-AMEL; and
 - (b) accompanied by -
 - (i) original or certified proof of –
 - (aa) the identity of the applicant;
 - (bb) the age of the applicant
 - (bb) the servicing and overhaul experience record of the applicant;
 - (ii) original or certified proof that the applicant has passed the theoretical knowledge examination as applicable referred to in regulation 66.02.3, 66.03.3, 66.04.3, 66.05.3, 66.06.3 or 66.07.3, as applicable;
 - (iii) two recent passport size photographs of the applicant; and
 - (iv) the appropriate fee as prescribed in Part 187.
- (2) An applicant for the amendment of an aircraft maintenance engineer licence in category A, B, C, D, W and X rating shall be –
- (a) made to the Commissioner in the appropriate form as prescribed in Document SA-CATS-AMEL; and
 - (b) accompanied by –
 - (i) a certified true copy of the licence held by the applicant;

- (ii) original or certified proof that the applicant has passed the theoretical knowledge examination, as applicable, referred to in regulation 66.02.3, 66.03.3, 66.04.3, 66.05.3, 66.06.3 or 66.07.3, as applicable;
- (iii) original or certified proof of the servicing and overhaul experience record of the applicant in respect of the type of aeroplane or rotorcraft for which the application is being made; and
- (iv) the appropriate fee as prescribed in Part 187

Issuing of Licence.

- 66.01.15** (1) The Commissioner shall issue an aircraft maintenance engineer licence with a Category A, B, C, D, W or X rating if the applicant complies with the requirements referred to in Regulation 66.02.4, 66.03.4, 66.04.4, 66.05.4, 66.06.4, or 66.07.4, as applicable.
- (2) The licence shall be issued on the appropriate form as prescribed in Document SA-CATS-AMEL.
 - (3) The rating shall specify the type of aeroplane or rotorcraft in respect of which the holder of such rating is entitled to exercise the privileges thereof.
 - (4) Upon the issuing of a licence the holder thereof shall forthwith affix his or her signature in ink in the space provided for such purpose on the licence.

Period of validity

- 66.01.16** (1) An aircraft maintenance engineer licence with a Category A, B, C, D or X rating shall be valid for a period of 24 months, calculated from the date on which the licence is issued, or from the date of expiry of the licence if such licence is renewed.
- (2) Any amendment of a licence shall be valid for the period for which the licence is valid.

Renewal of licence

- 66.01.17** (1) To renew an aircraft maintenance engineer licence with Category A, B, C, D, W or X ratings, the holder thereof shall, within the 24 months preceding the date of expiry of the licence, have served for not less than six months as a licensed aircraft maintenance engineer in a supervisory capacity.
- (2) An application for the renewal of the licence shall, within 90 days immediately preceding the date of expiry of such licence -
 - (a) be made to the Commissioner in the appropriate form as prescribed in Document SA-CATS-AMEL; and

- (b) be accompanied by –
- (i) a certified true copy of the licence held by the applicant;
 - (ii) the appropriate fee as prescribed in Part 187; and
 - (iii) original or certified proof of compliance with the provisions of sub-regulation (1).
- (3) The Commissioner shall renew the licence if the applicant complies with the requirements referred to in sub-regulations (1) and (2).
- (4) The licence shall be renewed in the appropriate form as prescribed in Document SA-CATS-AMEL.

Reissue

- 66.01.18** (1) The holder of an aircraft maintenance engineer licence with any Category A, B, C, D, W or X ratings that has expired, due to the lapse of the period in regulation 66.01.16, may apply to the Commissioner for the reissuing of the expired licence.
- (2) The provisions of Regulation 66.01.17 shall apply *mutatis mutandis* to an application, referred to in sub-regulation (1).
- (3) Upon receipt of an application for the reissuing of an expired licence, the Commissioner shall reissue such licence if the applicant complies with the requirements referred to in Regulation 66.01.17.
- (4) The application, referred to in sub-regulation (1), shall be accompanied by an affidavit confirming that the privileges of the licence have not been exercised since its expiry date.

**SUBPART 2: AIRCRAFT MAINTENANCE ENGINEER LICENCE
CATEGORY 'A' RATING**

Requirements for licence and rating

66.02.1 An applicant for the issuing of a aircraft maintenance engineer licence with a Category A rating, or an amendment thereof, shall –

- (a) be not less than 19 years of age;
- (b) have successfully completed the training referred to in Regulation 66.02.2;
- (c) have passed the theoretical knowledge examination referred to in Regulation 66.02.3; and
- (d) have acquired the experience referred to in Regulation 66.02.4.

Training

66.02.2 An applicant for the issuing of a aircraft maintenance engineer licence with a Category A rating, shall have successfully completed the appropriate training as prescribed in Document SA-CATS-AMEL.

Theoretical knowledge examination

66.02.3 (1) An applicant for the issuing of a aircraft maintenance engineer licence with a Category A rating, shall have passed the appropriate written examination as prescribed in Document SA-CATS-AMEL.

- (2) An applicant who fails the written examination, referred to in sub-regulation (1), may apply for re-testing after the appropriate period specified in Document SA-CATS-AMEL.

Experience

66.02.4 An applicant for the issuing of a aircraft maintenance engineer licence with a Category A rating, shall comply with the requirements for the appropriate experience as prescribed in Document SA-CATS-AMEL.

Privileges and limitations

66.02.5 (1) Subject to the provisions of sub-regulation (2), the holder of a valid aircraft maintenance engineer licence with a Category A rating, shall be entitled to –

- (a) certify, in accordance with the regulations in Part 43, the release to service of the specified type of aeroplane or rotorcraft, excluding its engine or engines; and
- (b) certify, in the logbook –
 - (i) work which the maintenance schedule relating to the specified type of aeroplane or rotorcraft authorises such holder to certify; and
 - (ii) any adjustment, minor repair or minor modification of the specified type of aeroplane or rotorcraft, including the installation

or replacement of equipment, instruments and minor components of such aeroplane or rotorcraft, excluding its engine or engines.

- (2) The holder of the licence shall, until such holder attains the age of 21, only be entitled to exercise the privileges of such licence in the Republic and in respect of aeroplanes and rotorcraft with a maximum certificated mass of 5 700 kilogram and 3 175 kg or less respectively, registered and operated in the Republic.

SUBPART 3: AIRCRAFT MAINTENANCE ENGINEER LICENCE CATEGORY 'C' RATING

Requirements for licence and rating

66.03.1 An applicant for the issuing of a aircraft maintenance engineer licence with a Category C rating, or an amendment thereof, shall—

- (a) be not less than 19 years of age;
- (b) have successfully completed the training referred to in Regulation 66.03.2;
- (c) have passed the theoretical knowledge examination referred to in Regulation 66.03.3; and
- (d) have acquired the experience referred to in Regulation 66.03.4.

Training

66.03.2 An applicant for the issuing of a aircraft maintenance engineer licence with a Category C rating, shall have successfully completed the appropriate training as prescribed in Document SA-CATS-AMEL.

Theoretical knowledge examination

66.03.3 (1) An applicant for the issuing of a aircraft maintenance engineer licence with a Category C rating, shall have passed the appropriate written examination as prescribed in Document SA-CATS-AMEL.

- (2) An applicant who fails the written examination referred to in sub-regulation (1), may apply for re-testing after the appropriate period specified in Document SA-CATS-AMEL.

Experience

66.03.4 An applicant for the issuing of a aircraft maintenance engineer licence with a Category C rating, shall comply with the requirements for the appropriate experience as prescribed in Document SA-CATS-AMEL.

Privileges and limitations

- 66.03.5** (1) Subject to the provisions of sub-regulation (2), the holder of a valid aircraft maintenance engineer licence with a Category C rating, shall be entitled to –
- (a) certify, in accordance with the regulations in Part 43, the release to service of the specified type of engine or engines; and
 - (b) certify, in the logbook –
 - (i) work which the maintenance schedule relating to the specified type of engine or engines authorises such holder to certify;
 - (ii) the installation of the specified type of engine or engines in an aircraft;
 - (iii) the installation and maintenance, other than the overhaul, major modification or major repair, of propellers and the reassembly of variable-pitch propellers which may have been dismantled for transport purposes; and
 - (iv) any adjustment or minor modification of the specified type of engine or engines and the replacement of external components and piston and cylinder assemblies, if such replacement does not involve dismantling the engine or engines for purposes other than to obtain access to the components and assemblies.
- (2) The holder of the licence shall, until such holder attains the age of 21, only be entitled to exercise the privileges of such licence in the Republic and in respect of aeroplanes and rotorcraft with a maximum certificated mass of 5 700 kg and 3 175 kg or less respectively, registered and operated in the Republic.

**SUBPART 4: AIRCRAFT MAINTENANCE ENGINEER LICENCE
CATEGORY 'W' RATING****Requirements for licence and rating**

66.04.1 An applicant for the issuing of a aircraft maintenance engineer licence with a Category W rating, or an amendment thereof, shall–

- (a) be not less than 19 years of age;
- (b) have successfully completed the training referred to in Regulation 66.04.2;
- (c) have passed the theoretical knowledge examination referred to in Regulation 66.04.3; and
- (d) have acquired the experience referred to in Regulation 66.04.4.

Training

66.04.2 An applicant for the issuing of a aircraft maintenance engineer licence with a Category W rating, shall have successfully completed the appropriate training as prescribed in Document SA-CATS-AMEL.

Theoretical knowledge examination

66.04.3 (1) An applicant for the issuing of a aircraft maintenance engineer licence with a Category W rating, shall have passed the appropriate written examination as prescribed in Document SA-CATS-AMEL.

- (2) An applicant who fails the written examination referred to in sub-regulation (1), may apply for re-testing after the appropriate period specified in Document SA-CATS-AMEL.

Experience

66.04.4 An applicant for the issuing of a aircraft maintenance engineer licence with a Category W rating, shall comply with the requirements for the appropriate experience as prescribed in Document SA-CATS-AMEL.

Privileges and limitations

66.04.5 (1) Subject to the provisions of sub-regulation (2), the holder of a valid aircraft maintenance engineer licence with a Category W rating, shall be entitled to –

- (a) certify, in accordance with the regulations in Part 43, the release to service of the specified type of equipment; and
- (b) certify, in the logbook –
- (i) work which the maintenance schedule relating to the specified type of equipment authorises such holder to certify;
 - (ii) any adjustment, maintenance or modification of such equipment; and
 - (iii) any installation of such equipment in aircraft and the replacement of components and parts of such equipment: Provided that no equipment shall be dismantled for the purpose of making internal replacements.
- (2) The holder of the licence shall, until such holder attains the age of 21, only be entitled to exercise the privileges of such licence in the Republic and in respect of aeroplanes and rotorcraft with a maximum certificated mass of 5 700 kg and 3175 kg or less respectively, registered and operated in the Republic.

SUBPART 5: AIRCRAFT MAINTENANCE ENGINEER LICENCE CATEGORY 'B' RATING

Requirements for licence and rating

66.05.1 An applicant for the issuing of a aircraft maintenance engineer licence with a Category B rating, or an amendment thereof, shall –

- (a) be not less than 21 years of age;
- (b) have successfully completed the training referred to in regulation 66.05.2;
- (c) have passed the theoretical knowledge examination referred to in Regulation 66.05.3; and
- (d) have acquired the experience referred to in regulation 66.05.4.

Training

66.05.2 An applicant for the issuing of a aircraft maintenance engineer licence with a Category B rating, shall have successfully completed the appropriate training as prescribed in Document SA-CATS-AMEL.

Theoretical knowledge examination

66.05.3 (1) An applicant for the issuing of a aircraft maintenance engineer licence with a Category B rating, shall have passed the appropriate written examination as prescribed in Document SA-CATS-AMEL.

- (2) An applicant who fails the written examination referred to in sub-regulation (1), may apply for re-testing after the appropriate period specified in Document SA-CATS-AMEL.

Experience

66.05.4 An applicant for the issuing of a aircraft maintenance engineer licence with a Category B rating, shall comply with the requirements for the appropriate experience as prescribed in Document SA-CATS-AMEL.

Privileges and limitations

66.05.5 The holder of a valid aircraft maintenance engineer licence with a Category B rating, shall be entitled to certify, in the logbook –

- (a) the overhaul, repair or modification, including trimming, welding provided that welding certification privileges are held, spray painting, electroplating or machining, of the specified type of aeroplane or rotorcraft, excluding its engine or engines, except –
 - (i) the overhaul, repair or modification of such item, equipment or apparatus which is to be certified by the holder of a Category X rating; and

- (ii) the installation and testing of such instrument, electrical equipment or radio apparatus which is to be certified by the holder of a Category W rating;
- (b) subject to the provisions of Regulation 43.02.11, the non-destructive testing of structures, composites, components and parts;
- (c) the overhaul of hydraulic, pneumatic and fuel components; and
- (d) the manufacturing or replacement of structures, composites, components and parts, if the manufacturing or replacement of the structures, composites, components and parts is necessary for such holder to complete an overhaul, repair or modification including the overhaul of engine mounts and power bays (OEC), which he or she will certify.

SUBPART 6: AIRCRAFT MAINTENANCE ENGINEER LICENCE CATEGORY 'D' RATING

Requirements for licence and rating

66.06.1 An applicant for the issuing of a aircraft maintenance engineer licence with a Category D rating, or an amendment thereof, shall –

- (a) be not less than 21 years of age;
- (b) have successfully completed the training referred to in regulation 66.06.2;
- (c) have passed the theoretical knowledge examination referred to in regulation 66.06.3; and
- (d) have acquired the experience referred to in regulation 66.06.4.

Training

66.06.2 An applicant for the issuing of an aircraft maintenance engineer licence with a Category D rating, shall have successfully completed the appropriate training as prescribed in Document SA-CATS-AMEL.

Theoretical knowledge examination

- 66.06.3** (1) An applicant for the issuing of a aircraft maintenance engineer licence with a Category D rating, shall have passed the appropriate written examination as prescribed in Document SA-CATS-AMEL.
- (2) An applicant who fails the written examination referred to in sub-regulation (1), may apply for re-testing after the appropriate period specified in Document SA-CATS-AMEL.

Experience

66.06.4 An applicant for the issuing of a aircraft maintenance engineer licence with a Category D rating, shall comply with the requirements for the appropriate experience as prescribed in Document SA-CATS-AMEL.

Privileges and limitations

66.06.5 The holder of a valid aircraft maintenance engineer licence with a Category D rating, shall be entitled to certify, in the logbook –

- (a) the overhaul, repair or modification of the specified type of engine or engines, except the overhaul, repair or modification of the ignition equipment, other than the spark plugs, and of the propeller, alternator, magneto, tachometer generator, starter and generator, which is to be certified by the holder of a Category X rating; and
- (b) the manufacturing or replacement of components and parts, if the manufacturing or replacement of the components and parts is necessary for such holder to complete an overhaul, repair or modification which he or she will certify.

**SUBPART 7: AIRCRAFT MAINTENANCE ENGINEER LICENCE
CATEGORY 'X' RATING****Requirements for licence and rating**

66.07.1 An applicant for the issuing of a aircraft maintenance engineer licence with a Category X rating, or an amendment thereof, shall –

- (a) be not less than 19 years of age;
- (b) have successfully completed the training referred to in regulation 66.07.2;
- (c) have passed the theoretical knowledge examination referred to in regulation 66.07.3; and
- (d) have acquired the experience referred to in Regulation 66.07.4.

Training

66.07.2 An applicant for the issuing of a aircraft maintenance engineer licence with a Category X rating, shall have successfully completed the appropriate training as prescribed in Document SA-CATS-AMEL.

Theoretical knowledge examination

- 66.07.3** (1) An applicant for the issuing of a aircraft maintenance engineer licence with a Category X rating, shall have passed the appropriate written examination as prescribed in Document SA-CATS-AMEL.
- (2) An applicant who fails the written examination referred to in sub-regulation (1), may apply for re-testing after the appropriate period specified in Document SA-CATS-AMEL.

Experience

66.07.4 An applicant for the issuing of a aircraft maintenance engineer licence with a Category X rating, shall comply with the requirements for the appropriate experience as prescribed in Document SA-CATS-AMEL.

Privileges and limitations

66.07.5 (1) Subject to the provisions of sub-regulation (2), the holder of a valid aircraft maintenance engineer licence with a Category X rating, shall be entitled to certify, in the logbook –

- (a) the installation and compensation of the specified compasses;
- (b) the installation, overhaul, repair or modification of the specified engine ignition and electrical equipment, and replacements thereof;
- (c) the installation, overhaul, repair or modification of fixed pitch and variable-pitch propellers, and replacements thereof;
- (d) the installation, overhaul, repair or modification of electrical, pneumatic, hydraulic, oil and fuel instruments, remote reading compasses and the replacement and compensation thereof;
- (e) the installation, overhaul, repair or modification of electrical equipment, and replacements thereof;
- (f) the installation, overhaul, repair or modification of automatic pilots
- (g) the installation and in-flight adjustment of electronic automatic pilots;
- (h) the installation, overhaul, repair or modification of the specified avionic equipment, and replacements thereof; and
- (i) the carrying out of the specified welding tests as prescribed in SA-CATS-AMEL and processes, provided that welding certification privileges are held.

(2) The holder of the licence shall, until such holder attains the age of 21, only be entitled to exercise the privileges of such licence in the Republic and in respect of aeroplanes and rotorcraft with a maximum certificated mass of 5 700 kg and 3 175 kg or less respectively, registered and operated in the Republic.

SUBPART 8: GRADE TWO AIRCRAFT MAINTENANCE INSTRUCTOR RATING**Requirements for Grade Two aircraft maintenance instructor rating**

66.08.1 An applicant for the issuing of a Grade Two aircraft maintenance instructor rating shall –

- (a) be not less than 21 years of age;
- (b) hold a valid aircraft maintenance engineer licence;
- (c)
 - (i) hold at least one valid rating; or
 - (ii) have completed an approved course;

- (d) have successfully completed the training referred to in regulation 66.08.2;
- (e) have passed the theoretical knowledge examination referred to in regulation 66.08.3; and
- (f) have acquired the experience referred to in Regulation 66.08.4.

Training

66.08.2 An applicant for the issuing of a Grade Two aircraft maintenance instructor rating shall have successfully completed the appropriate training as prescribed in Document SA-CATS-AMEL.

Theoretical knowledge examination

66.08.3 (1) An applicant for the issuing of a Grade Two aircraft maintenance instructor rating shall have passed the appropriate written examination as prescribed in Document SA-CATS-AMEL.

- (2) An applicant who fails the written examination referred to in sub-regulation (1), may apply for re-testing after the appropriate period specified in Document SA-CATS-AMEL.

Experience

66.08.4 An applicant for the issuing of a Grade Two aircraft maintenance instructor rating shall comply with the requirements for the appropriate experience as prescribed in Document SA-CATS-AMEL,

Application for Grade Two aircraft maintenance instructor rating

66.08.5 An application for the issuing of a Grade Two aircraft maintenance instructor rating shall be –

- (a) made to the Commissioner in the appropriate form as prescribed in Document SA-CATS-AMEL; and
- (b) accompanied by –
 - (i) original or certified proof of –
 - (aa) the identity of the applicant;
 - (bb) the servicing and overhaul experience record of the applicant;
 - (ii) original or certified proof that the applicant has passed the theoretical knowledge examination referred to in Regulation 66.08.3;
 - (iii) a certified true copy of the aircraft maintenance engineer licence held by the applicant; and
 - (iv) the appropriate fee as prescribed in Part 187.

Issuing of Grade Two aircraft maintenance instructor rating

- 66.08.6** (1) The Commissioner shall issue a Grade Two aircraft maintenance instructor rating if the applicant complies with the requirements referred to in Regulation 66.08.1.
- (2) The rating shall be issued on the appropriate form as prescribed in Document SA-CATS-AMEL.

Period of validity

66.08.7 A Grade Two aircraft maintenance instructor rating shall be valid for the period for which the aircraft maintenance engineer licence is valid.

Privileges of Grade Two aircraft maintenance instructor rating

66.08.8 The holder of a Grade Two aircraft maintenance instructor rating shall be entitled to give academic or practical instruction on any of the valid ratings held by him or her.

Renewal of Grade Two aircraft maintenance instructor rating

- 66.08.9** (1) To renew a Grade Two aircraft maintenance instructor rating, the holder thereof shall, within the 24 months preceding the date of expiry of the rating, have served for not less than six months as an aircraft maintenance instructor.
- (2) An application for the renewal of the rating shall, within 90 days immediately preceding the date of expiry of such rating, be –
- (a) made to the Commissioner in the appropriate form as prescribed in Document SA-CATS-AMEL; and
 - (b) accompanied by –
 - (i) a certified true copy of the aircraft maintenance engineer licence held by the applicant;
 - (ii) the appropriate fee as prescribed in Part 187; and
 - (iii) original or certified proof of compliance with the provisions of sub-regulation (1).
- (3) The Commissioner shall renew the rating if the applicant complies with the requirements referred to in sub-regulations (1) and (2).
- (4) The rating shall be renewed in the appropriate form as prescribed in Document SA-CATS-AMEL.
- (5) The renewal of the rating shall be valid for the period for which the aircraft maintenance engineer licence is valid.

SUBPART 9: GRADE ONE AIRCRAFT MAINTENANCE INSTRUCTOR RATING

Requirements for Grade One aircraft maintenance instructor rating

66.09.1 An applicant for the issuing of a Grade One aircraft maintenance instructor rating shall –

- (a) be not less than 21 years of age;
- (b) hold a valid aircraft maintenance engineer licence;
- (c) (i) hold at least one valid rating; or
(ii) have completed an approved course;
- (d) have successfully completed the training referred to in Regulation 66.09.2;
- (e) have passed the theoretical knowledge examination referred to in Regulation 66.09.3; and
- (f) have acquired the experience referred to in Regulation 66.09.4.

Training

66.09.2 An applicant for the issuing of a Grade One aircraft maintenance instructor rating shall have successfully completed the appropriate training as prescribed in Document SA-CATS-AMEL.

Theoretical knowledge examination

- 66.09.3** (1) An applicant for the issuing of a Grade One aircraft maintenance instructor rating shall have passed the appropriate written examination as prescribed in Document SA-CATS-AMEL.
- (2) An applicant who fails the written examination referred to in sub-regulation (1), may apply for re-testing after the appropriate period specified in Document SA-CATS-AMEL.

Experience

66.09.4 An applicant for the issuing of a Grade One aircraft maintenance instructor rating shall comply with the requirements for the appropriate experience as prescribed in Document SA-CATS-AMEL.

Application for Grade One aircraft maintenance instructor rating

66.09.5 An application for the issuing of a Grade One aircraft maintenance instructor rating shall be –

- (a) made to the Commissioner in the appropriate form as prescribed in Document SA-CATS-AMEL; and
- (b) accompanied by –
 - (i) original or certified proof of –
 - (aa) the age of the applicant;

- (bb) compliance with the requirements referred to in Regulation 66.09.1(e), (f) and (g); and
- (cc) the applicant's competency to exercise the privileges referred to in Regulation 66.08.8;
- (ii) a certified true copy of the aircraft maintenance engineer licence held by the applicant; and
- (iii) the appropriate fee as prescribed in Part 187.

Issuing of Grade One aircraft maintenance instructor rating

66.09.6 (1) The Commissioner shall issue a Grade One aircraft maintenance instructor rating if –

- (a) the applicant complies with the requirements referred to in Regulation 66.09.1; and
 - (b) the Commissioner is satisfied that the applicant is competent to exercise the privileges referred to in Regulation 66.09.8.
- (2) The rating shall be issued on the appropriate form as prescribed in Document SA-CATS-AMEL.

Period of validity

66.09.7 A Grade One aircraft maintenance instructor rating shall be valid for the period for which the aircraft maintenance engineer licence is valid.

Privileges of Grade One aircraft maintenance instructor rating

66.09.8 The holder of a Grade One aircraft maintenance instructor rating shall be entitled to –

- (a) give academic or practical instruction on any of the valid ratings held by him or her; and
- (b) act as an examiner in any of the valid ratings held by him or her, if designated by the Commissioner in terms of Regulation 66.01.11.

Renewal of Grade One aircraft maintenance instructor rating

66.09.9 (1) To renew a Grade One aircraft maintenance instructor rating, the holder thereof shall, within the 24 months preceding the date of expiry of the rating, have served for not less than six months as an aircraft maintenance instructor.

- (2) An application for the renewal of the rating shall, within 90 days immediately preceding the date of expiry of such rating, be –
- (a) made to the Commissioner in the appropriate form as prescribed in Document SA-CATS-AMEL; and

- (b) accompanied by –
 - (i) a certified true copy of the aircraft maintenance engineer licence held by the applicant;
 - (ii) the appropriate fee as prescribed in Part 187; and
 - (iii) original or certified proof of –
 - (aa) compliance with the provisions of sub-regulation (1); and
 - (bb) the applicant's competency to exercise the privileges referred to in Regulation 66.09.8.
- (3) The Commissioner shall renew the rating if –
 - (a) the applicant complies with the requirements referred to in sub-regulations (1) and (2); and
 - (b) the Commissioner is satisfied that the applicant is competent to exercise the privileges referred to in Regulation 66.09.8.
- (4) The rating shall be renewed in the appropriate form as prescribed in Document SA-CATS-AMEL.
- (5) The renewal of the rating shall be valid for the period for which the aircraft maintenance engineer licence is valid.

SUBPART 10 : APPROVED PERSON CERTIFICATE

Applicability

66.10.1 This subpart shall apply to the issuing of approvals to natural persons, other than licensed aircraft maintenance engineers, licensed pilots and persons authorised by the holder of an aircraft maintenance organisation approval, to carry out maintenance on South African registered non-type certificated aircraft, their engines, components and equipment.

Authority to act as approved person

- 66.10.2** (1) No person shall act as an approved person on non-type certificated aircraft referred to in sub-regulation (3), unless such person is the holder of a valid approved person certificate with the appropriate rating issued by the Commissioner or, if applicable, the organisation approved for the purpose in terms of Part 149, as the case may be.
- (2) The holder of an approved person certificate shall not exercise privileges other than those granted by the approval and the appropriate rating held by such holder.

Categories of aircraft

66.10.3 An approved person certificate may be issued in respect of any of the following categories of non-type certificated aircraft --

- (a) Aeroplanes, including micro-light aeroplanes
- (b) Helicopters
- (c) Gyroplanes
- (d) Gliders, including power assisted and touring gliders
- (e) Manned captive and manned free balloons

Categories and classes of ratings

66.10.4 (1) The categories of ratings for an approved person certificate are --

- (a) inspection rating; and
 - (b) repair rating.
- (2) The ratings referred to in sub-regulation (1) may be issued in one or more of the following classes:
- (a) Airframes, for the airframes of any of the categories of non-type certificated aircraft registered in the Republic referred to in regulation 66.10.3. The approved person certificate shall indicate the particular category, class and type or group of types of aircraft airframes for which the holder of the certificate holds authorisation.
 - (b) Engines, for the engines listed in the Document SA-CATS-AMEL, installed in non-type certificated aircraft registered in the Republic. The approved person certificate shall indicate the particular type or types of engines for which the holder of the certificate holds authorisation.
 - (c) Equipment, for --
 - (i) avionics equipment;
 - (ii) electrical equipment;
 - (iii) instrument equipment;
 - (iv) combination of such equipment;
 - (d) Welding.

The approved person certificate shall indicate the particular type of avionics, electrical, instrument or a combination of such equipment for which the holder of the certificate holds authorisation

Competency

66.10.5 The holder of an approved person certificate shall not exercise the privileges granted by the approval and rating unless such holder maintains competency by complying with the appropriate requirements prescribed in this Part.

Consumption of alcohol and drugs

66.10.6 No approved person shall --

- (a) carry out any maintenance on an aircraft, its components or equipment while the concentration of alcohol in any specimen of blood from any part of his or her body is more than 0.02 gram per 100 millilitres, or when under the influence of any drug having a narcotic effect; or
- (b) consume alcohol or take in any drug having a narcotic effect whilst carrying out maintenance on an aircraft, its components or equipment.

Language

66.10.7 An approved person shall have sufficient ability in reading, speaking and understanding the English language to enable him or her to adequately carry out his or her responsibilities as an approved person.

Requirements for approval and rating

66.10.8 An applicant for the issuing of an approved person certificate with the appropriate category and rating shall --

- (a) be not less than 18 years of age;
- (b) have successfully passed the theoretical knowledge examination referred to in regulation 66.10.9; and
- (c) have acquired the experience referred to in regulation 66.10.10.

Theoretical knowledge examination

66.10.9 (1) An applicant for the issuing of an approved person certificate shall have successfully passed the written examination set by the Commissioner or, if applicable, the organisation approved for the purpose in terms of Part 149, as the case may, prescribed in Document SA-CATS-AMEL.

- (2) A candidate who fails the written examinations referred to in sub-regulation (1), may within 30 days from the date of notification of the examination results apply in writing for a re-mark.
- (3) The application shall be made on form CA66.10.3 and be accompanied by the appropriate fee prescribed in Part 187.
- (4) If the remark is successful, the fee will be refunded.

- (5) An applicant, who fails the written examinations referred to in sub-regulation (1), may apply for re-testing after the appropriate period specified in Document SA-CATS-AMEL.

Experience

66.10.10 (1) An applicant for the issuing of an approved person certificate shall either -

- (a) be the primary builder of, and have obtained an Authority to Fly for his or her own aircraft; or
- (b) have obtained proven aircraft maintenance experience for at least 12 months, compatible with the particular rating.

Application for approval or amendment

66.10.11 An application for the issuing of an approved person certificate or for an amendment thereof, shall --

- (a) be made to the Commissioner or if applicable, the organisation approved for the purpose in terms of Part 149, as the case may be, on the appropriate form as prescribed in Document SA-CATS-AMEL; and
- (b) be accompanied by --
 - (i) original or certified proof of --
 - (aa) the identity of the applicant;
 - (bb) the age of the applicant; and
 - (cc) the maintenance experience of the applicant;
 - (ii) original or certified proof that the applicant has passed the theoretical knowledge examination referred to in Regulation 66.10.9;
 - (iii) two recent passport-size photographs of the applicant; and
 - (iv) the appropriate fee as prescribed in Part 187.

Issuing of approval certificate

66.10.12 (1) The Commissioner or if applicable, the organisation approved for the purpose in terms of Part 149, as the case may be, shall issue an approved person certificate with the appropriate rating if the applicant complies with the requirements referred to in Regulation 66.10.11.

- (2) The certificate shall be issued on the appropriate form as prescribed in Document SA-CATS-AMEL.

- (3) The certificate shall specify the category and type of non-type certificated aircraft, its components or equipment in respect of which the holder of such certificate is entitled to exercise the privileges thereof.
- (4) Upon issuing of an approved person certificate, the applicant shall forthwith affix his or her signature in ink in the space on the certificate provided for such purpose.

Period of validity

66.10.13 (1) An approval person certificate issued in accordance with this subpart shall be valid for a period of 24 months, calculated from the date on which the approval is issued or from the date of expiry of the approval if such approval is renewed in accordance with the provisions of regulation 66.10.14.

- (2) Any amendment of an approval person certificate shall be valid for the period for which the certificate is valid.

Renewal of approved person certificate

66.10.14 (1) To renew an approved person certificate, the holder thereof shall --

- (a) within the 24 months preceding the date of expiry of the certificate, have carried out an inspection or maintenance on at least two aircraft or engines that the holder is rated on;
- (b) within 30 days immediately preceding the date of expiry of such certificate, submit an application for renewal of an approved person certificate to the Commissioner, or if applicable, the organisation approved for the purpose in terms of Part 149, as the case may be; accompanied by --
 - (i) a certified true copy of the certificate held by the applicant;
 - (ii) original or certified proof of compliance with the provisions of sub-regulation (1).
- (2) The application for the renewal of the certificate shall be made on the form prescribed in Document SA-CATS-AMEL.
- (3) The Commissioner or if applicable, the organisation approved for the purpose in terms of Part 149, as the case may be, shall renew the certificate if the applicant complies with the requirements referred to in sub-regulation (1).
- (4) The certificate shall be renewed on the appropriate form as prescribed in Document SA-CATS-AMEL.

Reissue

- 66.10.15** (1) The holder of an approved person certificate that has expired due to the lapse of the period referred to in regulation 66.10.13 may apply to the Commissioner or, if applicable, the organisation approved for the purpose in terms of Part 149, as the case may be, for the re-issue of the expired certificate. To qualify for the reissuing of the certificate the person needs to comply anew with the requirements prescribed in regulation 66.10.8.
- (2) Upon application for the re-issue of the expired certificate, the Commissioner or, if applicable, the organisation approved for the purpose in terms of Part 149, as the case may be, shall re-issue such certificate if the applicant complies with the requirements prescribed in sub-regulation (1).
- (3) The provisions of regulations 66.10.11 and 66.10.12 shall apply *mutatis mutandis* to an application referred to in sub-regulation (1).

Privileges and limitations

- 66.10.16** (1) Subject to the provisions of regulations 66.10.5 and 66.10.6, the holder of an approved person certificate shall be entitled –
- (a) if he or she is the holder of inspection rating –
- (i) to exercise in respect of a non-type certificated aircraft, the privileges of an authorised officer, inspector or authorised person provided for in regulations 24.01.8 and 24.01.9 in Part 24 of these Regulations; and
- (ii) to carry out inspections on a non-type certificated aircraft in accordance with the requirements prescribed in Part 24 as may be called for from time to time by the constructor or owner of the non-type certificated aircraft;
- (b) if he or she is the holder of the repair rating –
- (i) to carry out, in accordance with the requirements prescribed in Part 24, such maintenance, excluding the inspections referred to in sub-regulation (a)(ii), on a non-type certificated aircraft, its components and equipment as may be called for from time to time by the constructor or owner of the non-type certificated owner;
- (ii) certify in the aircraft's logbook/s –
- (aa) all maintenance carried out on the aircraft; and

- (bb) all modifications incorporated on the aircraft; and
 - (iii) certify, in accordance with the regulations in Part 24, the release to service of the non-type certificated aircraft.
- (2) The holder of an approved person certificate is not authorised to grant permission to the constructor to fly his or her aircraft for the purposes of carrying out proving test flights unless he or she is the holder of the appropriate flight test rating.
 - (3) Any inspection carried out on a non-type certificated aircraft in terms of regulation 24.01.8 shall be of a conditional nature in that the approved person carrying out the inspection shall not be required to guarantee the airworthiness of the aircraft.
 - (4) Whenever an authorised person issues a release of service for a non-type certificated aircraft he or she thereby certifies that he or she is satisfied that the aircraft and all its equipment are in every way serviceable for flight and that all maintenance has been carried out in accordance with the Civil Aviation Regulations of 1997, as amended, and with the aircraft's approved maintenance schedule.
 - (5) The holder of an authorised person certificate who wishes to carry out welding on a non-type certificated aircraft shall be the holder, or have been the holder of any kind of welding certificate.

Register of approved persons

- 66.10.17** (1) The Commissioner or, if applicable, the organisation approved for the purpose in terms of Part 149, as the case may be, shall maintain a register of all approved person certificates issued, renewed or reissued in terms of this part.
- (2) The register shall contain the following particulars --
 - (a) the full name of the holder of the certificate;
 - (b) the postal address of the holder of the certificate;
 - (c) the date on which the certificate was issued, renewed or reissued;
 - (d) particulars of the ratings held by the certificate holder; and
 - (e) the nationality of the holder of the certificate.
 - (3) The particulars referred to in sub-regulation (2) shall be recorded in the register within seven days from the date on which the certificate is issued, renewed or reissued.

- (4) The register shall be kept at a safe place at the office of the Commissioner or, if applicable, the organisation approved for the purpose in terms of Part 149, as the case may be.

Responsibilities of certificate holder

66.10.18 The holder of an approved person certificate shall maintain an logbook up to date in which he or she shall record details of all inspections and maintenance carried out. The format of the logbook and the manner in which it will be kept shall be as prescribed in Part 43.

Suspension and cancellation of certificate and appeal

66.10.19 (1) The procedure for the suspension and cancellation of approved person certificate and appeal shall be as prescribed in regulation 66.01.12.

- (2) For the purposes of this subpart, the meaning of the expression ‘the Commissioner’ in Regulation 66.01.12 shall be extended to mean ‘the Commissioner or, if applicable, the organisation approved for the purpose in terms of Part 149, as the case may be’.

SCHEDULE 5

5. Proposal to amend Part 91 of the Civil Aviation Regulations, 1997

5.1 Proposed amendment of Regulation 91.04.5 (Flight, navigation and associated equipment for aircraft operated under IFR) of Part 91 of the Regulations

It is proposed to amend regulation 91.04.5 of Part 91 by the deletion of sub-regulation (i).

5.2 Motivation:

Sub-regulation (i) ‘a rate-of-climb and descent indicator’ duplicates sub-regulation (e) ‘a vertical-speed indicator’.

5.3 Current regulation:

“Flight, navigation and associated equipment for aircraft operated under IFR

91.04.5 No owner or operator shall operate an aircraft in accordance with IFR, unless such aircraft is equipped with –

...

- (e) a vertical-speed indicator;

- ...
(i) a rate-of-climb and descent indicator;

SCHEDULE 6

6. **Proposal to amend Part 91 of the Civil Aviation Regulations, 1997**

6.1 **Proposed amendment of Regulation 91.04.10 (Flight Recorder) of Part 91 of the Regulations**

It is proposed to amend regulation 91.04.10 'Flight Recorder' by the substitution of the expression 'every six months' in sub-regulation (9)(a) with the expression 'annually'.

6.2 **Motivation**

ICAO, in Annex 6 to the Convention, prescribes only an annual inspection. Currently, South African operators apply for, and are granted, an exemption from regulation 91.04.10 to the effect that the particular inspection may be carried out annually, rather than six-monthly.

6.3 **Current regulation:**

"Flight recorder
91.04.10 (1) ...

- ...
(9) The owner or the operator of the aircraft shall –
- (a) copy and check the data on the flight recorder every six months, for the purpose of ensuring that such flight recorder is serviceable; and
 - (b) record and retain the results of such check for a period of five years calculated from the date of such check."

SCHEDULE 7**7. Proposal to amend Part 121 of the Civil Aviation Regulations, 1997****7.1 Proposed amendment of Part 121**

It is proposed to substitute Subpart 9 of Part 121 with the following new Subpart 9:

“SUBPART 9: MAINTENANCE**General**

121.09.1 The operator of a large commercial air transport aeroplane shall not operate the aeroplane unless such aeroplane is maintained in accordance with the regulations in Part 43.

Approved maintenance schedule (AMS)

- 121.09.2** (1) The operator of a large commercial air transport aeroplane shall ensure that the aeroplane is maintained in accordance with a maintenance schedule, established by the operator and approved by the Commissioner.
- (2) The approved maintenance schedule shall contain details, including frequency, of all maintenance required to be carried out on the aeroplane.
- (3) The approved maintenance schedule shall be maintained in accordance with procedures described in the approved maintenance control manual, contemplated in regulation 121.09.3.
- (4) Any proposed amendment to the approved maintenance schedule, referred to in sub-regulation (1), shall require the prior approval of the Commissioner before incorporation.

Maintenance control manual (MCM)

- 121.09.3** (1) An operator of a large commercial air transport aeroplane shall establish a maintenance control manual, describing the organisation and the procedures for ensuring the sustained airworthiness

of the operated aeroplanes, in the format as prescribed in Document SA-CATS-GMR.

- (2) The maintenance control manual, referred to in sub-regulation (1), and any subsequent amendment thereof, shall be approved by the Commissioner."

7.2 Motivation

The revision of Part 43 'General Maintenance Rules' standardises on the expression 'approved maintenance schedule' and introduces the maintenance control manual. The proposed amendment brings Part 121 in line with the provisions of Part 43. The referred-to maintenance control manual includes provision for a reliability programme as well as for the contracting-out of maintenance.

7.3 Current regulation

"SUBPART 9: MAINTENANCE

General

121.01.9 The operator of a large commercial air transport aeroplane shall not operate the aeroplane unless such aeroplane is maintained in accordance with the regulations in Part 43.

Aeroplane maintenance schedule

- 121.09 2** (1) The operator of a large commercial air transport aeroplane shall ensure that the aeroplane is maintained in accordance with an aeroplane maintenance schedule established by the operator.
- (2) The schedule shall contain details, including frequency, of all maintenance required to be carried out on the aeroplane.
 - (3) The schedule shall include a reliability program if the Commissioner determines that such reliability programme is necessary.
 - (4) The aeroplane maintenance schedule referred to in sub-regulation (1) and any subsequent amendment thereof shall be approved by the Commissioner.

Maintenance contracted to approved maintenance organisation

121.09.3 If maintenance on a large commercial air transport aeroplane is carried out by the holder of an aircraft maintenance organisation approval with the appropriate rating issued in terms of Part 145, the operator of the aeroplane shall ensure that all contracted maintenance is carried out in accordance with the regulations in Part 43.”

SCHEDULE 8**Proposal to amend Part 127 of the Civil Aviation Regulations, 1997****8.1 Proposed amendment of Part 127**

It is proposed to substitute Subpart 9 of Part 127 with the following new Subpart 9:

“SUBPART 9: MAINTENANCE**General**

127.09.1 The operator of a commercial air transport helicopter shall not operate the helicopter unless such helicopter is maintained in accordance with the regulations in Part 43.

Approved maintenance schedule (AMS)

- 127.09.2** (1) The operator of a commercial air transport helicopter shall ensure that the helicopter is maintained in accordance with a maintenance schedule, established by the operator and approved by the Commissioner.
- (2) The approved maintenance schedule shall contain details, including frequency, of all maintenance required to be carried out on the helicopter.
- (3) The approved maintenance schedule shall be maintained in accordance with procedures described in the approved maintenance control manual, contemplated in regulation 127.09.3.
- (4) Any proposed amendment to the approved maintenance schedule, referred to in sub-regulation (1), shall require incorporation.

Maintenance control manual (MCM)

- 127.09.3 (1) An operator of a commercial air transport helicopter shall establish a maintenance control manual, describing the organisation and the procedures for ensuring the sustained airworthiness of the operated helicopters, in the format as prescribed in Document SA-CATS-GMR.
- (2) The maintenance control manual, referred to in sub-regulation (1), and any subsequent amendment thereof, shall be approved by the Commissioner."

8.2 Motivation

The revision of Part 43 'General Maintenance Rules' standardises on the expression 'approved maintenance schedule' and introduces the maintenance control manual. The proposed amendment brings Part 127 in line with the provisions of Part 43. The referred-to maintenance control manual includes provision for a reliability programme as well as for the contracting-out of maintenance.

8.3 Current regulation

"SUBPART 9: MAINTENANCE

General

127.01.9 The operator of a commercial air transport helicopter shall not operate the helicopter unless such helicopter is maintained in accordance with the regulations in Part 43.

Helicopter maintenance schedule

- 127.09 2 (1) The operator of a commercial air transport helicopter shall ensure that the helicopter is maintained in accordance with a helicopter maintenance schedule established by the operator.
- (2) The schedule shall contain details, including frequency, of all maintenance required to be carried out on the helicopter.
- (3) The schedule shall include a reliability program if the Commissioner determines that such reliability programme is necessary.

- (4) The helicopter maintenance schedule referred to in subregulation (1) and any subsequent amendment thereof shall be approved by the Commissioner.

Maintenance contracted to approved maintenance organisation

127.09.3 If maintenance on a commercial air transport helicopter is carried out by the holder of an aircraft maintenance organisation approval with the appropriate rating issued in terms of Part 145, the operator of the helicopter shall ensure that all contracted maintenance is carried out in accordance with the regulations in Part 43."

SCHEDULE 9

Proposal to amend Part 135 of the Civil Aviation Regulations, 1997

9.1 Proposed amendment of Part 135 of the CAR

It is proposed to substitute Subpart 9 of Part 135 with the following new Subpart 9:

"SUBPART 9: MAINTENANCE

General

135.09.1 The operator of a small commercial air transport aeroplane shall not operate the aeroplane unless such aeroplane is maintained in accordance with the regulations in Part 43.

Approved maintenance schedule (AMS)

- 135.09.2** (1) The operator of a small commercial air transport aeroplane shall ensure that the aeroplane is maintained in accordance with a maintenance schedule, established by the operator and approved by the Commissioner.
- (2) The approved maintenance schedule shall contain details, including frequency, of all maintenance required to be carried out on the aeroplane.
 - (3) The approved maintenance schedule shall be maintained in accordance with procedures described in the approved maintenance control manual, contemplated in regulation 121.09.3.

- (4) Any proposed amendment to the approved maintenance schedule, referred to in sub-regulation (1), shall require the prior approval of the Commissioner before incorporation.

Maintenance control manual (MCM)

- 135.09.3 (1) An operator of a small commercial air transport aeroplane shall establish a maintenance control manual, describing the organisation and the procedures for ensuring the sustained airworthiness of the operated aeroplanes, in the format as prescribed in Document SA-CATS-GMR.
- (2) The maintenance control manual, referred to in sub-regulation (1), and any subsequent amendment thereof, shall be approved by the Commissioner.”

9.2 Motivation

The revision of Part 43 ‘General Maintenance Rules’ standardises on the expression ‘approved maintenance schedule’ and introduces the maintenance control manual. The proposed amendment brings Part 135 in line with the provisions of Part 43. The referred-to maintenance control manual includes provision for a reliability programme as well as for the contracting-out of maintenance.

9.3 Current regulation

“SUBPART 9: MAINTENANCE

General

135.01.9 The operator of a small commercial air transport aeroplane shall not operate the aeroplane unless such aeroplane is maintained in accordance with the regulations in Part 43.

Aeroplane maintenance schedule

- 135.09 2 (1) The operator of a small commercial air transport aeroplane shall ensure that the aeroplane is maintained in accordance with an aeroplane maintenance schedule established by the operator.
- (2) The schedule shall contain details, including frequency, of all maintenance required to be carried out on the aeroplane.

- (3) The schedule shall include a reliability program if the Commissioner determines that such reliability programme is necessary.
- (4) The aeroplane maintenance schedule referred to in sub-regulation (1) and any subsequent amendment thereof shall be approved by the Commissioner.

Maintenance contracted to approved maintenance organisation

135.09.3 If maintenance on a small commercial air transport aeroplane is carried out by the holder of an aircraft maintenance organisation approval with the appropriate rating issued in terms of Part 145, the operator of the aeroplane shall ensure that all contracted maintenance is carried out in accordance with the regulations in Part 43.”
