

CIVIL AVIATION [(NO. 9) AVIATION TRAINING
ORGANIZATION] REGULATIONS, 2004

Arrangement of Regulations

Regulation

1. Citation

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Legal Notice No. 52

REPUBLIC OF TRINIDAD AND TOBAGO

THE CIVIL AVIATION ACT, 2001

REGULATIONS

MADE BY THE AUTHORITY WITH THE APPROVAL
OF THE MINISTER UNDER SECTION 33 OF THE CIVIL AVIATION ACT

THE CIVIL AVIATION [(NO. 9) AVIATION TRAINING
ORGANIZATION] REGULATIONS, 2004

1. These Regulations may be cited as the Civil Aviation [(No. 9) Citation
Aviation Training Organization] Regulations, 2004.

PART I

CERTIFICATION REQUIREMENTS:
AVIATION TRAINING ORGANIZATION

2. In these regulations—

Interpretation

“accountable manager” means the manager who has corporate authority for ensuring that all training can be financed and carried out to the standard required by the Authority;

“advanced flight training device” means a flight training device which has a cockpit that accurately replicates a specific make, model, and type aircraft cockpit, and handling characteristics that accurately model the aircraft handling characteristics;

“authorized instructor” has the meaning assigned to it under Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004;

“Aviation Training Organization satellite” means a facility of an Aviation Training Organization at a location other than primary location of such Aviation Training Organization;

“examiner” has the meaning assigned to it by Civil Aviation [(No. 1) General Application and Personnel Licensing] Regulations, 2004;

“flight simulator” means a device that—

(a) is a full-size aircraft cockpit replica of a specific type, make model and series of aircraft;

(b) includes the hardware and software necessary to represent the aircraft in ground operations and flight operations;

“flight training device” means an instrument that—

(a) is a full-size replica of the instrument, equipment, panels, and controls of an aircraft, open or in an enclosed cockpit, including the hardware and software for the systems installed, that is necessary to stimulate the aircraft in ground and flight operations;

(b) need not have a force cueing or visual system; and

(c) has been approved or accepted by the Authority;

“flight training equipment” means a flight simulator, a flight training device and an aircraft;

“Level 1 Flight Training Specifications” means the specific approvals of a flight training facility that conducts all or substantially all of each flight training course using aircraft;

“Level 2 Flight Training Specifications” means the specific approvals of a flight training facility that conducts all or substantially all of each flight training course using simulation media that are qualified and approved by the Director General;

“line-operational simulation” means simulation conducted using operational-oriented flight scenarios that accurately replicate interaction among flight crew members and between flight crew members and dispatch facilities, other crew members, air traffic control, and ground operations;

“line orientation flight training” means flight training in a simulator with a complete crew using representative flight segments that contain normal, abnormal, and emergency procedures that may be expected in line operations;

“specialty curriculum” means a set of courses designed to comply with the Act or Regulations made thereunder which is approved by the Authority for use at an Aviation Training Organization with Level 2 Flight Training Specifications; and

“Training Specifications” means a document issued to an approved Aviation Training Organization by the Authority that specifies the checking, testing authorizations, limitations and training programme requirements for such organization.

3. The provisions of Part I of the Civil Aviation [(No.1) General Application and Personnel Licencing] Regulations, 2004 shall apply to all certificates issued by the Authority in accordance with these Regulations.

Application of Civil Aviation [(No. 1) General] Regulations, 2004 to these Regulations

PART II

GENERAL REQUIREMENTS FOR AVIATION TRAINING ORGANIZATIONS

4. (1) A person shall not conduct training of airmen unless he—
- (a) holds a valid Aviation Training Organization Certificate with the appropriate Training Specifications for such training issued by the Authority in accordance with these Regulations; and
 - (b) is permitted under the Act or Regulations made thereunder, to conduct such aviation training.
- (2) A person shall not conduct training, testing or checking in an advanced flight training device or a flight simulator unless—
- (a) he is an air operator training his own flight crew; or
 - (b) he holds an Aviation Training Organization Certificate with the appropriate Training Specifications, issued under these Regulations.

Restriction on conduct of aviation training

Application for an Aviation Training Organization Certificate

5. (1) A person wishing to apply for an Aviation Training Organization Certificate to conduct aviation training and testing for airmen shall—
- (a) apply to the Authority in the prescribed form;
 - (b) pay the prescribed fee;
 - (c) be at least eighteen years of age;
 - (d) be able to or have persons employed in the Organization who are able to read, speak, write and understand the English language; and
 - (e) meet the requirements of these Regulations.
- (2) An application under subregulation (1), shall be—
- (a) submitted at least ninety days before the date of intended commencement of training by the applicant; and
 - (b) accompanied by—
 - (i) two copies of the Training Procedures Manual of the applicant which contains the matters set out in Schedule 1 and which shall be approved by the Authority;

General requirements for issue of Aviation Training Organization Certificate

Schedule 1

- (ii) a list of the training functions to be performed by the Aviation Training Organization; and
- (iii) any additional information the Director General requires the applicant to submit.

(3) Where the applicant under subregulation (1)(d), is unable to read, speak, write or understand the English language, but employs a person who can read, speak write and understand the English language, such person shall hold a management function in his organization.

(4) An applicant for an Aviation Training Organization Certificate shall ensure that the facilities and equipment described in his application are—

- (a) available for inspection and evaluation prior to the grant of the Aviation Training Organization Certificate; and
- (b) in place and operational at the location of the proposed Aviation Training Organization prior to issuance of an Aviation Training Organization Certificate under these Regulations.

Issue of an Aviation Training Organization Certificate

Issue of
Aviation
Training
Organization
Certificate

6. (1) Where the Director General is satisfied that an applicant for an Aviation Training Organization Certificate under regulation 5, meets the requirements of these Regulations he may recommend the Authority issue to such applicant an Aviation Training Organization Certificate.

(2) An Aviation Training Organization Certificate under subregulation (1), shall comprise—

- (a) a document for public display signed by the Authority; and
- (b) a document containing the Training Specifications with the terms, conditions, and authorizations applicable to the Aviation Training Organization.

(3) The document for display under subregulation (2)(a), shall contain—

- (a) all the business names included on the application under which the holder of an Aviation Training Organization Certificate (hereinafter referred to as an “Aviation Training Organization”), may conduct operations and the address of each business office used by the Aviation Training Organization;
- (b) the principal location of the Aviation Training Organization;

- (c) the date of issue and period of validity for each page issued;
 - (d) the authorized locations of operations; and
 - (e) training specifications for the following categories, as applicable:
 - (i) flight crew training;
 - (ii) aircraft maintenance training; and
 - (iii) any other aviation training.
- (4) The Training Specifications under subregulation (2)(b) shall contain—
- (a) the type of training authorized, including approved courses;
 - (b) the category, class, and type of aircraft that may be used for training, testing, and checking where applicable;
 - (c) for each flight simulator or flight training device, the make, model, and series of aeroplane or the set of aeroplanes being simulated and the qualification level assigned, or the make, model, and series of rotorcraft, or set of rotorcraft being simulated and the qualification level assigned;
 - (d) for each flight simulator and flight training device subject to qualification evaluation by the Authority, the identification number assigned by the Director General;
 - (e) the name and address of each satellite Aviation Training Organization, and the approved courses offered at each satellite Aviation Training Organization;
 - (f) authorized deviations or waivers from these Regulations; and
 - (g) any other items the Authority may require.

Suspension or Refusal of an Aviation Training Organization Certificate

7. The Director General may recommend that the Authority suspend or refuse to issue an Aviation Training Organization Certificate in accordance with these Regulations where it comes to his attention that—

Suspension or refusal, of an Aviation Training Organization Certificate.

- (a) the applicant or the Aviation Training Organization—
 - (i) does not meet the requirements of these Regulations;
 - (ii) has failed for more than sixty days to maintain the required facilities, aircraft or personnel;
 - (iii) held an approval for the management and conduct of aviation services which was suspended or revoked within the previous five years;

- (iv) has provided incomplete, inaccurate, fraudulent or false information in applying for the Aviation Training Organization Certificate.
- (v) held a certificate or aviation document issued by the Authority that was suspended or revoked within the previous five years by reason of criminal, fraudulent, improper action or insanity on the part of such person; or
- (vi) employs or proposes to employ a person in a management position or supervisor capacity who—
 - (A) held a certificate or aviation document issued by the Authority that was suspended or revoked within the previous five years by reason of criminal, fraudulent, improper action or insanity on the part of such person; or
 - (B) contributed materially to the suspension or revocation of a certificate or aviation document issued by the Authority; or
- (b) where a person having substantial ownership of the organization—
 - (i) held a certificate or aviation document issued by the Authority that was suspended or revoked within the previous five years by reason of criminal, fraudulent, improper action or insanity on the part of such a person; or
 - (ii) contributed materially to the suspension or revocation of a certificate or aviation document issued by the Authority.

Revocation of an Aviation Training Organization Certificate

Revocation of
an Aviation
Training
Organization

8. In addition to the general conditions under Part I of the Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004, for the revocation of aviation documents issued by the Authority, the conditions for refusal or suspension of an Aviation Training Organization Certificate under regulation 7, shall apply to the revocation of an Aviation Training Organization Certificate.

Renewal of an Aviation Training Organization Certificate

Renewal of
Aviation
Training
Organization
Certificate

9. (1) An Aviation Training Organization shall, sixty days before the expiration of its Aviation Training Organization Certificate issued in accordance with these Regulations, apply to the Authority for the renewal of such Aviation Training Organization Certificate.

- (2) An application under subregulation (1), shall be—
- (a) made in the prescribed form;
 - (b) accompanied by—
 - (i) the prescribed fee; and
 - (ii) any documents required by the Authority.

(3) The Director General may, where he is satisfied that an Aviation Training Organization under subregulation (1), continues to meet the requirements of these Regulations, recommend the Authority issue a renewed Aviation Training Organization Certificate to an Aviation Training Organization which shall contain the initial date of issue of its Aviation Training Organization Certificate as well as the date on which it was renewed.

Acceptance of an Aviation Certificate issued by an Aviation Training Organization of another Contracting State

10. Where the Director General is satisfied that an Aviation Training Organization, approved by another Contracting State meets the requirements of these Regulations, he may recommend the Authority accept an Training Certificate issued by such Aviation Training Organization.

Acceptance of
an Aviation
Training
Certificate
issued by
another
Contracting
State

Amendment of an Aviation Training Organization Certificate

11. (1) The Director General may recommend that the Authority amend an Aviation Training Organization Certificate—

- (a) where he determines that such amendment is required; or
- (b) upon the application of the Aviation Training Organization.

Amendment
to an Aviation
Training
Organization
Certificate

(2) An Aviation Training Organization shall submit an application to amend its Aviation Training Organization Certificate issued under regulation 5, at least sixty days before the commencement of operations under the amended Aviation Training Organization Certificate, unless the Director General specifies a different period for the filing of the application.

(3) An Aviation Training Organization shall not amend any part of its Training Procedures Manual without the prior approval of the Authority.

Duration of an Aviation Training Organization CertificateDuration of
an Aviation
Training
Organization
Certificate

12. (1) An Aviation Training Organization Certificate issued in accordance with these Regulations shall remain valid until—

- (a) the last day of the twelfth month from the month on which the Aviation Training Organization Certificate was issued;
- (b) the date that any change in ownership of the Aviation Training Organization occurs; or
- (c) the date of any significant change in the Aviation Training Organization facilities.

(2) A change of ownership of an Aviation Training Organization invalidates the Aviation Training Organization Certificate issued to such Aviation Training Organization unless—

- (a) the Aviation Training Organization makes an application for an appropriate amendment to such Aviation Training Organization Certificate within thirty days; and
- (b) no significant change in the facilities, operating personnel, or approved training courses is involved.

(3) Notwithstanding subregulations (1) and (2), an Aviation Training Organization with Level 1 or Level 2 Flight Training Specifications issued in accordance with these Regulations, shall remain valid unless surrendered, suspended or revoked.

(4) Where an Aviation Training Organization Certificate is surrendered or revoked, the holder of such Aviation Training Organization Certificate shall return it to the Authority.

DeviationsApproval for
deviation
from
Regulations

13. (1) The Director General may recommend that the Authority issue a deviation from any requirement of these Regulations.

(2) An Aviation Training Organization requesting a deviation under this Regulation shall provide the Authority with information acceptable to the Director General which shows—

- (a) justification for the deviation; and
- (b) that such deviation will not adversely affect the quality of instruction, testing or evaluation.

Restrictions on AdvertisingRestrictions
on
advertising
by Aviation
Training
Organization

14. (1) An Aviation Training Organization shall not—

- (a) make any statement relating to its Aviation Training Organization Certificate and training specifications that is false or designed to mislead any person contemplating enrolment in such Aviation Training Organization;

(b) advertise that such Aviation Training Organization is certified,

unless such advertisement clearly differentiates between courses that have been approved and those that have not been approved under these Regulations.

(2) An Aviation Training Organization whose Aviation Training Organization Certificate has been surrendered, suspended or revoked shall promptly—

(a) remove all indications, including signs, wherever located, that the Aviation Training Organization was certified by the Authority; and

(b) notify all advertising agents and advertising media employed or contracted by the Aviation Training Organization, to cease all advertising which indicates that such Aviation Training Organization is certified by the Authority.

Personnel Requirements

15. (1) An applicant for an Aviation Training Organization Certificate under regulation 5, shall nominate a person in his organization as the accountable manager responsible for establishing and promoting the training standards and quality policy of his organization and such person shall be approved by the Authority.

Required
personnel for
an Aviation
Training
Organization

(2) An Aviation Training Organization shall employ sufficient staff to plan and perform knowledge and practical training, conduct knowledge examinations and practical assessments in accordance with its approval, except that, when another organization is used to provide practical training and assessments, the staff of such other organizations may be nominated to carry out any combination of the roles of authorized instructor and examiner, subject to compliance with Civil Aviation[(No. 1) General Application and Personnel Licensing] Regulations, 2004.

Location, Facilities and Equipment

16. (1) An Aviation Training Organization shall maintain facilities, equipment and material to the standards required by its Aviation Training Organization Certificate.

Location,
facilities,
equipment
and materials
of an Aviation
Training
Organization

(2) Where an Aviation Training Organization wishes to make a change to its facilities, equipment or material that have been approved for a particular curriculum under its Training Procedures Manual, it shall, prior to making such changes apply first to the Authority for approval.

(3) Where an Aviation Training Organization wishes to relocate its facilities it shall apply to the Authority in writing for approval for such relocation.

(4) An application under subregulation (3) for approval to relocate facilities shall be made at least thirty days before the date of the intended relocation.

(5) The Director General may prescribe the conditions under which the Aviation Training Organization may operate while it is changing its location or housing facilities.

(6) Where an Aviation Training Organization changes the location of its facilities without first seeking and obtaining the approval of the Authority for such relocation, its Aviation Training Organization Certificate shall be revoked.

(7) An applicant under regulation 5 shall establish and an Aviation Training Organization shall maintain a principal business office located at the address specified in its application or its Aviation Training Organization Certificate.

(8) The principal business office of an Aviation Training Organization under subregulation (7), shall not be shared with, or used by, any other person who holds an Aviation Training Organization Certificate.

(9) An applicant under regulation 5, or an Aviation Training Organization shall ensure that—

- (a) each room, training booth or other space used or proposed to be used for instructional purposes is temperature controlled, lit and ventilated to conform to local building, sanitation and health codes;
- (b) the facilities used or proposed to be used for instruction are not routinely subject to significant distractions caused by flight operations and maintenance operations at the airport; and
- (c) a student shall not attend classes of instruction more than eight hours in any day or more than six days of forty hours in any consecutive seven-day periods.

(10) An Aviation Training Organization shall maintain records required by these Regulations in facilities adequate for such purpose.

(11) An Aviation Training Organization with Aircraft Maintenance Training Specification or an applicant under regulation 5 for an Aviation Training Organization with Aircraft Maintenance Training Specifications shall maintain the following instructional equipment as appropriate to the Training Specifications applied for or which he holds:

(a) various kinds of airframe structures, airframe systems and components, powerplants, and power plant systems and components, including propellers, of a quantity and type suitable to complete the practical projects required by its approved curricula; and

(b) at least one aircraft of a type acceptable to the Authority.

(12) The equipment under subregulation (11)(a), is not required to be in an airworthy condition, and where damaged prior to use by the Aviation Training Organization, shall have been repaired enough for complete assembly.

(13) An Aviation Training Organization with Aircraft Maintenance Training Specification or an applicant under regulation 5 for an Aviation Training Organization with Aircraft Maintenance Training Specifications, shall—

(a) have airframes, powerplants, propellers, appliances, and components thereof, to be used for instruction and from which students will gain practical working experience;

(b) ensure that the airframes, powerplants, propellers, appliances, and components thereof be sufficiently diversified as to show the different methods of construction, assembly, inspection, and operation when installed in an aircraft for use;

(c) provide and maintain training aids or operational mock-ups of the retractable landing gear and wing flaps that are acceptable to the Authority, where an aircraft used for instructional purposes does not have retractable landing gear and wing flaps;

(d) ensure that the special tools and shop equipment required by subregulation (14) are in satisfactory working condition for instructional and practice purposes.

(14) An Aviation Training Organization with Aircraft Maintenance Training Specifications shall—

(a) ensure that it maintains a sufficient number of units of the material described in subregulation (13) so that no more than eight students work on any one unit at one time; and

(b) maintain, on its premises and under the full control of the Aviation Training Organization, an adequate supply of material, special tools, and shop equipment used in constructing and maintaining aircraft as is appropriate to its approved curriculum, in order to assure that each student will be properly instructed.

Schedule 2

(15) An applicant for an Aviation Training Organization Certificate with Aircraft Maintenance Training Specifications, shall have the facilities, equipment, and materials prescribed in Schedule 2, appropriate to the training specification sought and the maximum number of students expected to be taught at any time.

(16) An applicant for an Aviation Training Organization Certificate with Level 1 or Level 2 Flight Training Specifications and an Aviation Training Organization with Level 1 or Level 2 Flight Training Specifications shall have available exclusively, for adequate periods of time and at a location approved by the Authority, adequate flight training equipment and courseware, including flight simulator or advanced flight training device as applicable.

(17) An applicant under regulation 5, that plans to conduct pilot flight training shall show that he has continuous use of a briefing area located at each airport at which training flights originate that is—

- (a) adequate to shelter students waiting to engage in their training flights;
- (b) arranged and equipped for the conduct of pilot briefings; and
- (c) for an Aviation Training Organization with an instrument rating or commercial pilot course, equipped with adequate communication to sources of weather and flight planning information.

Schedule 3

(18) The airport used under subregulation (17), shall have an adequate runway, the necessary training equipment and meet the requirements prescribed by the Implementing Standards to this regulation under Schedule 3.

Approval of Training Course

Approval of
training
course

17. (1) A Training Procedures Manual under regulation 5(2)(b)(i), shall indicate in the Training and Examination Procedures Part of the Training Procedures Manual—

- (a) which courses are parts of the core curriculum and which courses are parts of the specialty curriculum;
- (b) which requirements of the Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004, would be satisfied by the curriculum or curricula; and
- (c) which requirements of the Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004, would not be satisfied by the curriculum or curricula.

(2) Where a Aviation Training Organization commences operations under a curriculum specified in its Training Procedures Manual, and the Director General determines that such Aviation Training Organization is not meeting the requirements of such curriculum, the Director General may recommend that the Authority direct such Aviation Training Organization to make revisions to such curriculum.

(3) Where an Aviation Training Organization is directed to make revision to its curriculum in accordance with subregulation (2), and it fails to make such revision within thirty days of the direction given, its Aviation Training Organization Certificate may be suspended or revoked in accordance with section 39 of the Civil Aviation Act.

Act No. 11 of
2001

Training Programme Curriculum

18. (1) An applicant under regulation 5, shall ensure that a curriculum submitted under his Training Procedures Manual meets the applicable requirements and contains—

Training
Programme
Curriculum
Requirements

- (a) a course outline for each proposed curriculum;
- (b) minimum aircraft and flight training equipment requirements for each proposed curriculum as applicable;
- (c) minimum authorized instructor and examiner qualifications for each proposed curriculum;
- (d) a curriculum for initial training and continuing training of each authorized instructor or examiner employed to instruct in a proposed curriculum; and
- (e) for each curriculum that provides for the issuance of a licence or rating in fewer than the minimum hours prescribed by the Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulation, 2004—
 - (i) a means of demonstrating the ability to accomplish such training in the reduced number of hours; and
 - (ii) a means of tracking student performance.

Satellite Aviation Training Organization

19. (1) An Aviation Training Organization may conduct training in accordance with a curriculum approved by the Authority at a satellite Aviation Training Organization where—

Satellite
Aviation
Training
Organization's

- (a) the facilities, equipment, personnel and course content of the Aviation Training Organization satellite meets the applicable requirements of these Regulations;

- (b) the authorized instructors and examiners at the Aviation Training Organization satellite are under the direct supervision of management personnel of the principal Aviation Training Organization;
- (c) the Aviation Training Organization notifies the Authority in writing at least sixty days prior to proposed commencement of operations of its Aviation Training Organization satellite; and
- (d) the Training Specifications of the Aviation Training Organization reflect the name and address of the satellite Aviation Training Organization and the approved courses offered at the satellite Aviation Training Organization.

(2) The Director General shall recommend the Authority issue Training Specifications which prescribe the operations required and authorized at each satellite Aviation Training Organization.

Changes to an Aviation Training Organization

Changes
requiring
notice to the
authority

20. (1) An Aviation Training Organization shall notify the Authority at least thirty days prior to—

- (a) a new accountable manager being designated;
- (b) the instructional and evaluation staff being changed; and
- (c) the housing, training facilities and equipment, procedures, curricula, and work scope being varied or changed so as to potentially affect its Training Specifications.

(2) The Director General may prescribe the conditions under which an Aviation Training Organization may operate during such changes unless the Authority determines that its Aviation Training Organization Certificate should be suspended.

(3) Failure to inform the Authority of the changes specified in subregulation (1), may result in the suspension or revocation of the Aviation Training Certificate of an Aviation Training Organisation effective from the date the changes were implemented.

(4) An approved Aviation Training Organization with Aircraft Maintenance Training Specifications shall only conduct training, knowledge examinations and practical assessments away from the subregulation (2) locations in accordance with a control procedure acceptable to the Authority.

(5) A location under subregulation (3) is not required to be listed in the Training Procedures Manual.

Inspections by the Director General

21. (1) The Director General may conduct inspections to determine whether an Aviation Training Organization meets the requirements under which its Aviation Training Organization Certificate and applicable training specifications were issued.

Inspections
by the
Director
General

(2) Notwithstanding subregulation (1), the Director General may, at any time, inspect the operations of an Aviation Training Organization to determine whether it complies with these Regulations.

(3) After an inspection is made under this regulation, the Aviation Training Organization concerned shall be notified by the Authority, in writing, of any deficiencies found during the inspection.

Record Keeping Requirements

22. (1) An Aviation Training Organization shall maintain a record of the following information in respect of each of its student:

Aviation
Training
Organization
record
keeping
requirement

- (a) his name;
- (b) a copy of his licence, if any, and medical certificate, if required;
- (c) the name of the course and the make and model of flight training equipment used, if applicable;
- (d) his prerequisite experience and course time completed;
- (e) the date the student completed his course of training, terminated training, or transferred to another Aviation Training Organization ;
- (f) his performance on each lesson and the name of the authorized instructor providing instruction;
- (g) a current progress record showing the practical projects or laboratory work completed or to be completed for each subject;
- (h) the date and result of each knowledge test and end-of-course practical test and the name of the examiner conducting the test; and
- (i) the number of hours of additional training that was accomplished after any unsatisfactory practical test.

(2) The logbook of a student shall not be considered as sufficient to meet the requirements of any record required by subregulation (1).

(3) An Aviation Training Organization shall maintain a record for each authorized instructor conducting training at the Aviation Training Organization and each authorized instructor designated by it as an examiner which contains—

- (a) terms of reference;
- (b) the qualifications;
- (c) the experience;
- (d) the training history,

of such authorized instructor or examiner.

(4) An Aviation Training Organization shall—

- (a) maintain the records required by subregulation (1) for at least two years following the completion of training, testing or checking;
- (b) maintain the qualification records required by subregulation (3) while the authorized instructor or examiner is in the employ of the Aviation Training Organization; and
- (c) maintain the records required by subregulation (3), for at least two years.

(5) An Aviation Training Organization shall provide the records required by this regulation to the Authority upon request, within a reasonable time and shall store and maintain such records required by—

- (a) subregulation (1) at the Aviation Training Organization, or satellite Aviation Training Organization where the training, testing, or checking, where appropriate, occurred, or at another location acceptable to the Authority; and
- (b) subregulation (3) at the Aviation Training Organization or satellite Aviation Training Organization where the authorized instructor or examiner is primarily employed, or at another location acceptable to the Authority.

(6) An Aviation Training Organization shall provide to its student, upon request and at a reasonable time, a copy of his training records.

(7) An Aviation Training Organization shall keep a current record of each student enrolled, showing, where applicable—

- (a) the instructions credited; and
- (b) the authenticated transcript of grades from the Aviation Training Organizations previously attended.

Transcripts of Student Grades

23. (1) An Aviation Training Organization shall upon completion of a course of aviation training at its organization by a student, issue to such student a Certificate of Completion. Transcripts of grades of student

(2) An Aviation Training Organization shall include in a Certificate of Completion issued it under subregulation (1)—

- (a) the name and the certificate number of the Aviation Training Organization;
- (b) the name of the student to whom it was issued;
- (c) the title of the approved curriculum;
- (d) the date of completion of the approved course;
- (e) a statement that the student has satisfactorily completed each required stage of the approved course of training including the tests for those stages;
- (f) an authentication by an official of the Aviation Training Organization ; and
- (g) a statement showing the cross-country flight training that the student received in the course of training, where applicable.

(3) An Aviation Training Organization shall not issue a Certificate of Completion to a student, or recommend a student for a licence or rating, unless such student has—

- (a) completed the training specified in the approved course of training; and
- (b) passed the required tests.

Requirement to provide Transcripts on Request

24. (1) Upon request, an Aviation Training Organization shall provide a student who attended aviation training at its Aviation Training Organization, a transcript of his grades. Requirement to provide transcripts on request

(2) An Aviation Training Organization shall include in the transcript required under subregulation (1)—

- (a) the curriculum in which the student was enrolled;
- (b) whether the student satisfactorily completed that curriculum
- (c) the final grades the student received; and
- (d) an authentication by an official of the Aviation Training Organization.

PART III

FLIGHT TRAINING SPECIFICATION

Applicability

Applicability of Part III 25. This Part prescribes the requirements for an Aviation Training Organization for the training of flight crew.

Training Specifications for Pilot Training

Training specifications for pilot training 26. Where the Director General is satisfied that an applicant for an Aviation Training Organization with flight training specification meets the requirements of these Regulation, he may recommend the Authority issue an Aviation Training Organization Certificate with the following training specifications:

- (a) Level 1 Flight Training Specifications; or
- (b) Level 2 Flight Training Specifications.

General Personnel Requirements for an Aviation Training Organisation with Flight Training Specifications

Required staff for an Aviation Training Organization with flight Training Specifications 27. (1) An applicant under regulation 5 for an Aviation Training Organization Certificate with Level 1 Flight Training Specifications or Level 2 Flight Training Specifications shall appoint and maintain a sufficient number of authorized instructors who are qualified in accordance with these Regulations to perform the duties to which they are assigned.

(2) An applicant under regulation 5 for an Aviation Training Organization Certificate with Level 1 Flight Training Specifications shall meet the applicable personnel requirements of these Regulations.

(3) An Aviation Training Organization with Level I Flight Training Specifications, shall appoint, a sufficient number of examiners to provide the required checks and tests within seven days of training completion by a student of any curriculum leading to an airman licence, rating or both.

(4) An Aviation Training Organization shall—

- (a) have and maintain, a sufficient number of management personnel who are qualified and competent to perform required duties; and
- (b) ensure that its management representatives and its personnel who are designated to conduct training, are able to understand, read, write, and fluently speak the English language.

(5) The persons listed in this regulation may serve in more than one position in an Aviation Training Organization, provided such person is qualified for those positions.

Flight Crew Training Curricula

28. (1) The Director General may recommend that the Authority approve the following courses of instruction for an Aviation Training Organization with Level 1 Flight Training Specifications: Curriculum for flight crew training

(a) licencing and rating courses—

- (i) private pilot course;
- (ii) instrument rating course;
- (iii) commercial pilot licencing course;
- (iv) airline transport pilot licencing course;
- (v) flight instructor rating course;
- (vi) flight instructor instrument rating course;
- (vii) ground instructor authorization course;
- (viii) additional aircraft category or class rating course;
- (ix) aircraft type rating course; and
- (x) flight engineer course;

(b) special preparation courses—

- (i) pilot refresher course;
- (ii) flight authorized instructor refresher course;
- (iii) ground authorized instructor refresher course;
- (iv) flight engineer refresher course;
- (v) agricultural aircraft operations course;
- (v) rotorcraft external-load operations course;
- (vi) special operations course; and
- (vii) test pilot course; and

(c) pilot ground school course.

(2) The minimum curriculum for the licensing and rating courses at subregulation (1)(a) is prescribed in the applicable Implementing Standard to this regulation under Schedule 3.

Schedule 3

(3) The minimum curriculum for the special preparation courses under subregulation (1)(b) is prescribed in the applicable Implementing Standard to this regulation under Schedule 3.

(4) The minimum curriculum for the pilot ground training course at subregulation (1)(c) is prescribed in the applicable Implementing Standard to this regulation under Schedule 3.

(5) An Aviation Training Organization with a Level 2 Flight Training Specifications may, where it has the applicable simulation media required to conduct a course under subregulation (1)(a), conduct such course.

(6) The Director General may recommend that the Authority approve a course under subregulation (1)(a), and a simulator medium in respect of such course.

Aircraft Requirements

Aircraft
requirements

29. (1) An applicant for an Aviation Training Organization Certificate with Level 1 Flight Training Specifications and an Aviation Training Organization with Level 1 Flight Training Specifications, shall ensure each aircraft used for flight instruction and solo flights—

- (a) has a valid Airworthiness Certificate;
- (b) is maintained and inspected in accordance with the requirements of the Act and Regulations made thereunder; and
- (c) is equipped as required in the training specifications for the approved course for which it is used.

(2) Except as provided in subregulation (3), an applicant for an Aviation Training Organization Certificate with Level 1 Flight Training Specifications and an Aviation Training Organization with Level 1 Flight Training Specifications, shall ensure that each aircraft used for flight instruction has at least a two pilot stations with engine power and flight controls that are easily reached and that operate in a conventional manner from both pilot stations.

(3) An Aviation Training Organization may, with the approval of the Authority, use an aircraft with controls such as nose-wheel steering, switches, fuel selectors, and engine air flow controls that are not easily reached and operated in a conventional manner by both pilots for flight instruction, where the Aviation Training Organization determines that the flight instruction can be conducted in a safe manner considering the location of controls and their non-conventional operation, or both.

(4) An Aviation Training Organization shall ensure that each aircraft used in a course involving Instrument Flight Rules operations is equipped and maintained for Instrument Flight Rules operations.

Flight Simulator and Flight Training Devices

30. (1) An applicant for or the holder of an Aviation Training Organization Certificate with Level 1 Flight Training Specifications and Level 2 Flight Training Specifications shall show that each flight simulator and flight training device used for training, testing, and checking is approved or accepted by the Authority for—

Requirements for flight simulator and flight training devices in an Aviation Training Organization with Level 1 Flight Training Specifications or Level 2 Flight Training Specifications

- (a) each manoeuvre and procedure for the make, model, and series of aircraft, set of aircraft, or aircraft type simulated, as applicable; and
- (b) each curriculum or training course in which the flight simulator or flight training device is used, where that curriculum or course is used to satisfy any requirement of these Regulations.

(2) An applicant for, and holder of, an Aviation Training Organization with Level 1 Training Specifications shall show that each flight simulator and flight training device used by him—

- (a) represents the aircraft for which the course is approved;
- (b) is used only for training given by an authorized instructor; and
- (c) is not used for more than twenty five per cent of the total flight training hour requirements.

(3) An Aviation Training Organization with Level 1 Flight Training Specifications or Level 2 Flight Training Specifications, shall ensure that prior to use, the approval of the flight simulator or flight training device required under this regulation includes—

- (a) the set of aircraft or type aircraft;
- (b) where applicable, the particular variation within type for which the training, testing, or checking is being conducted; and
- (c) the particular manoeuvre, procedure or crew member function to be performed.

(4) An Aviation Training Organization with Level 1 Flight Training Specifications or Level 2 Flight Training Specifications, shall ensure that each flight simulator or flight training device which it uses is—

- (a) maintained to ensure the reliability of the performance, functions and all other characteristics required for its initial acceptance or approval;
- (b) modified to conform with any modification to the aircraft being simulated if the modification results in changes to performance, function, or other characteristics required for approval;

- (c) given a functional preflight check each day before being used; and
- (d) provided with a discrepancy log in which the authorized instructor or examiner, at the end of each training session, enters each discrepancy.

(5) Unless otherwise authorized by the Authority, an Aviation Training Organization with Level 1 Flight Training Specifications shall ensure that each component of a flight simulator or flight training device which it uses is operative where the component is essential to, or involved in, the training, testing or checking of airmen.

***Instructor Requirements for Aviation Training Organization
with Level 2 Flight Training Specifications***

Training
Specifications
instructor
requirements
for an Aviation
Training
Organization
with Level 2
Flight

31. An Aviation Training Organization with Level 2 Flight Training Specifications shall not employ a person as an authorized instructor in a flight training course that is subject to approval by the Authority unless such person—

- (a) is eighteen years of age;
- (b) is able to read, write, speak, and understand the English language;
- (c) holds a Flight Instructor Rating, where he conducts training in an aircraft in flight;
- (d) satisfies the requirements of paragraph (e), where he conducts training in a flight simulator; and
- (e) meets at least one of the following requirements—
 - (i) the aeronautical experience requirements for a Commercial Pilot Licence, excluding the required hours of instruction in preparation for the skill test for the Commercial Pilot Licence;
 - (ii) the aeronautical experience requirements for Airline Transport Pilot Licence, where instructing in a flight simulator or flight training device that represents an aeroplane requiring a type rating or where conducting training in a curriculum leading to the issuance of an Airline Transport Pilot Licence; or
 - (iii) is employed as a Simulator Flight Instructor qualified to conduct training on flight training equipment;
- (f) an Aviation Training Organization with Level 2 Flight Training Specifications shall appoint one or more authorized instructor in writing for each approved course prior to such authorized instructor instructing that course; and

- (g) prior to initial appointment under paragraph (f), a flight and simulator instructor shall meet the requirements of the applicable Implementing Standard to this regulation under Schedule 3.

Schedule 3

Privileges of Instructors and Examiners of an Aviation Training Organization with Level 2 Flight Training Specifications

32. (1) An authorized instructor appointed by an Aviation Training Organization with Level 2 Flight Training Specifications may conduct—
- (a) instruction for each curriculum for which he is qualified; and
- (b) testing and checking for which he is qualified.
- (2) An examiner of an Aviation Training Organization with Level 2 Flight Training Specifications may conduct instruction, testing and checking required by these Regulations.

Privileges and limitations of an authorized instructor or examiner for an Aviation Training Organisation with Level 2 Flight Training Specifications

(3) An authorized instructor or examiner appointed by an Aviation Training Organisation may give endorsements in accordance with the Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004, where he is authorized by the Authority to instruct or examine on a curriculum that requires such endorsements.

(4) An Aviation Training Organization shall not allow an authorized instructor to—

- (a) conduct more than eight hours of instruction in any twenty-four consecutive hour period, or more than six days or forty hours in any seven day period excluding time spent on briefings and debriefings;
- (b) provide flight training equipment instruction unless that authorized instructor meets the applicable requirements of regulation 33; or
- (c) provide flight instruction in an aircraft unless that authorized instructor—
- (i) meets the applicable requirements of regulation 33;
- (ii) holds a Flight Instructor rating;
- (iii) holds pilot licences and ratings applicable to the category, class, and type aircraft in which he is instructing;
- (iv) where instructing or examining in an aircraft in flight while occupying a required crew member seat, holds at least a current Class 2 Medical Certificate; and

- (v) meets the recency of experience requirements of the Civil Aviation [(No. 2) Operations] Regulations, 2004.

Instructor Training and Testing for an Aviation Training Organization with Level 2 Flight Training Specifications

Authorized instructor training and testing requirements for an Aviation Training Organization with Level 2 Flight Training Specifications

33. (1) An Aviation Training Organization shall ensure that except as provided in subregulation (3), prior to the initial appointment of an authorized instructor in its organization and every twelve months beginning the first day of the month following initial appointment of an authorized instructor, such—

- (a) authorized instructor satisfactorily completes an approved course of ground instruction in at least—
- (i) the fundamental principles of the learning process;
 - (ii) elements of effective teaching, instruction methods, and techniques;
 - (iii) authorized instructor duties, privileges, responsibilities and limitations of his instructor rating;
 - (iv) training policies and procedures; and
 - (v) cockpit resource management and crew co-ordination; and
 - (vi) evaluation;
- (b) authorized Flight Instructor or authorized Simulator Flight Instructor satisfactorily demonstrates to a designated examiner knowledge of and proficiency in, instructing in a representative segment of each curriculum for which that authorized Flight Instructor or authorized Simulator Flight Instructor is designated to instruct under these Regulations;
- (c) authorized instructor who instructs in a flight simulator or flight training device satisfactorily completes an approved course of training in the operation of the flight simulator and an approved course of ground instruction, applicable to the training courses the authorized instructor is designated to instruct, which shall include—
- (i) proper operation of flight simulator and flight training device controls and systems;
 - (ii) proper operation of environmental and fault panels;
 - (iii) limitations of simulation; and
 - (iv) minimum equipment requirements for each curriculum;

- (d) authorized flight instructor who provides training in an aircraft satisfactorily completes an approved course of ground instruction and flight training in an aircraft, flight simulator or flight training device, which shall include—
 - (i) performance and analysis of flight training procedures and manoeuvres applicable to the training courses that the authorized instructor is designated to instruct;
 - (ii) technical subjects covering aircraft subsystems and operating rules applicable to the training courses that the authorized instructor is designated to instruct;
 - (iii) emergency operations;
 - (iv) emergency situations likely to develop during training; and
 - (v) appropriate safety measures; and
- (e) authorized instructor who instructs in flight training equipment passes a knowledge test and annual proficiency check—
 - (i) in the flight training equipment in which the authorized instructor will be instructing; and
 - (ii) on the subject matter and manoeuvres of a representative segment of each curriculum for which the authorized instructor will be instructing.

(2) In addition to the requirements of subregulation (1), an Aviation Training Organization shall ensure that an authorized instructor, appointed by it, who instructs in a flight simulator that the Authority has approved for all training and testing for an Airline Transport Pilot Licence, an aircraft type rating test, or both, has met the applicable requirements of the Implementing Standards to this regulation under Schedule 3.

Schedule 3

(3) The Director General in making a recommendation to the Authority in respect of the renewal of a Flight Instructor rating of an authorized instructor appointed by an Aviation Training Organisation, shall take into consideration the completion of a curriculum required by subregulations (1), or (2) taken in the month before or after the month in which it is due, as taken in the month in which it was due for the purpose of computing when the next training is due.

(4) The Director General in making a recommendation to the Authority in respect of the renewal of a Flight Instructor rating of an authorized instructor appointed by an Aviation Training Organisation, may give credit in respect of subregulation (1) or (2), to a Flight Instructor who has satisfactorily completed an authorized instructor training course for an air operator, where the Authority finds such a course is equivalent to the requirements of subregulation (1) or (2).

**Examiner Requirements for an Aviation Training Organization
with Level 2 Flight Training Specifications**

Examiner
requirements
for an
Aviation
Training
Organization
with Level 2
Flight
Training
Specifications

34. (1) Except as provided by subregulation (4), an Aviation Training Organization with Level 2 Flight Training Specifications shall ensure that an examiner who it appoints:

- (a) is approved by the Authority;
- (b) is in compliance with regulations 31, 32 and 33;
- (c) prior to his designation has satisfactorily completed a curriculum within a twelve month period that includes the following—
 - (i) examiner duties, functions and responsibilities;
 - (ii) methods, procedures, and techniques for conducting required tests and checks;
 - (iii) evaluation of pilot performance; and
 - (iv) management of unsatisfactory tests and subsequent corrective action; and
- (d) where conducting an evaluation in flight training equipment, satisfactorily passes a knowledge test and annual proficiency check in a flight simulator or aircraft on which the examiner will be conducting a skill test.

(2) In making a recommendation in respect of the re-training requirement of an examiner, the Director General shall take into consideration the fact that such examiner completed the curriculum required by subregulation (1)(c), in the month before or the month after the month in which it was due.

(3) The Director General may in making a recommendation to the Authority in respect of the re-training requirements for an examiner, give credit for the requirements of subregulation (1)(c) to an examiner who has satisfactorily completed an examiner training course for an air operator where the Authority finds such a course equivalent to the requirements of subregulation (1)(c).

**Personnel Requirements for an Aviation Training Organisation
with a Level I Flight Training Specifications**

Personnel
requirements
for an Aviation
Training
Organization
with Level 1
Flight Training
Specifications

35. (1) In addition to the requirements for personnel of an Aviation Training Organization with Flight Training Specifications set out in regulation 27, an applicant for, and the holder of an Aviation Training Organization Certificate with Level 1 Flight Training Specifications shall have—

- (a) adequate flight and ground authorized instructors, with the relevant ratings and approvals;

- (b) commercial pilots with a lighter-than-air rating, where applicable; and
- (c) a Chief Flight Instructor, who is qualified and competent to perform the duties assigned in each approved training course.

(2) An authorized instructor for ground or flight training shall hold a flight instructor rating, ground instructor authorization or Commercial Pilot Licence with a lighter-than-air rating, as appropriate, with ratings for the approved training course and any aircraft used in that course.

36. (1) An Aviation Training Organization with Level 1 Flight Training Specifications shall appoint a Flight Instructor in his organization as the Chief Flight Instructor to perform supervisory functions over all other instructors for a particular set course.

Chief Flight Instructor qualifications for an Aviation Training Organization with Level 1 Flight training specifications

(2) A Chief Flight Instructor under subregulation (1), shall meet one or more of the requirements of the Implementing Standards of this regulation under Schedule 3.

(3) A Chief Flight Instructor appointed in accordance with these Regulations and assigned to conduct a training course shall— Schedule 3

- (a) complete at least once every twelve months, a ground training course or flight training in accordance with an approved syllabus; or
- (b) complete an approved flight instructor refresher course.

Assistant Chief Flight Instructor Qualifications

37. (1) An Aviation Training Organization with Level 1 Flight Training Specifications shall appoint an instructor in his organization as an assistant Chief Flight Instructor.

Assistant Chief Flight Instructor qualifications for Aviation Training Organization with Level 1 Flight Training Specifications

(2) An assistant Chief Flight Instructor under subregulation (1) shall meet one or more of the requirements of the Implementing Standards to this regulation under Schedule 3.

(3) An assistant Chief Flight Instructor appointed in accordance with these Regulations and assigned to conduct a training course shall— Schedule 3

- (a) complete at least once every twelve months, a ground training course or flight training in accordance with an approved syllabus; or
- (b) complete an approved flight instructor refresher course.

Check Instructor Qualifications

Check
Instructor
qualifications
for Aviation
Training
Organization
with Level 1
Flight
Training
Specifications

38. (1) An Aviation Training Organization shall designate an instructor in his organization as an Check Instructor, to conduct student stage checks, end of course tests and instructor proficiency checks under these Regulations.

(2) A Check Instructor under subregulation (1), shall meet the requirements of the Implementing Standards to this regulation under Schedule 3.

Check
Instructor
qualifications
for Aviation
Training
Organization
with Level 1
Flight
Training
Specifications

39. (1) No person other than a Flight Instructor or Commercial Pilot with a lighter-than-air rating, where applicable, who has the ratings and the minimum qualifications specified for the approved training course may give a student flight training under an approved course of training.

(2) An Aviation Training Organization shall not authorize a student pilot to start a solo flight unless such flight has been approved by an authorized instructor who is present at the Aviation Training Organization.

(3) A Flight Instructor or commercial pilot with a lighter-than-air rating who is assigned to conduct a flight training course shall—

(a) prior to receiving authorization to train students in a flight training course, accomplish—

(i) a review of and a briefing on the objectives and standards of such training course; and

(ii) an initial proficiency check in each make and model of aircraft used in that training course in which he provides training.

(b) every twelve months after the month in which the person last complied with paragraph (a), accomplish a proficiency check in one of the aircraft in which students train.

(4) The tasks set out in subregulation (1), shall be administered by the Chief Flight Instructor, assistant Chief Flight Instructor or Check Instructor of the Aviation Training Organization.

Instructor
ground
training for
Aviation
Training
Organization
with Level 1
Flight
Training
Specifications

40. (1) Except as provided in subregulation (2), each authorized instructor who is assigned to a ground training course, shall hold a Ground Instructor Authorization or a Flight Instructor rating or a Commercial Pilot Licence with a lighter-than-air rating with the appropriate rating for that course of training.

(2) A person who does not meet the requirements of subregulation (1) may be assigned ground training duties in a ground training course, if—

- (a) the chief instructor who is assigned to that ground training course finds the person qualified to give that training; and
- (b) the authorized instructor serves under the supervision of the Chief Flight Instructor or the assistant Chief Flight Instructor who is present at the facility when the training is given.

(3) An authorized instructor shall not be used in a ground training course until that authorized instructor has been briefed in regard to the objectives and standards of that course by the Chief Flight Instructor, assistant Chief Flight Instructor, or Check Instructor.

41. An Aviation Training Organization with Level 1 Flight Training Specifications shall, during training ensure that the Chief Flight Instructor or an assistant Chief Flight Instructor is—

- (a) available at such Aviation Training Organization; or
- (b) contactable by telephone, radio or other electronic means.

Chief Flight instructor responsibility for Aviation Training Organization with Level 1 Flight Training Specifications

42. (1) An Aviation Training Organization with Level 2 Flight Training Specifications may allow flight simulator authorized instructors and examiners to meet recency of experience requirements through the use of a flight simulator or flight training device where that flight simulator or flight training device is used in a course approved in accordance with these regulations.

Privileges of a certified Aviation Training Organization with Level 2 Flight Training Specifications

(2) An Aviation Training Organization with Level 1 Flight Training Specifications may credit towards the curriculum requirements of a course, previous training and pilot experience and knowledge, provided the student meets the requirements prescribed in the Implementing Standards to this regulation under Schedule 3.

Schedule 3

Limitations of an Aviation Training Organization Certificate

43. (1) An Aviation Training Organization with Level 1 Flight Training Specifications or Level 2 Flight Training Specifications shall—

Limitations of an Aviation Training Organization

- (a) ensure that the freeze, slow motion or repositioning feature in a flight simulator or flight training device is not used during testing or checking; and
- (b) ensure that a repositioning feature in a flight simulator or flight training device is used during line operational simulation for evaluation and line-oriented flight training only to advance along a flight route to the point where the descent and approach phase of the flight begins.

(2) When practical testing, flight checking, or line operational simulation is being conducted, an Aviation Training Organization with Level 2 Flight Training Specifications shall ensure that one of the following occupies each supporting crew member position—

- (a) a crew member qualified as co-pilot in the aircraft category and class; and
- (b) a student.

(3) Notwithstanding subregulation 2(a), a flight instructor who is giving instruction may not occupy a crew member position where practical resting, flight checking or line operational simulation is being conducted.

(4) Notwithstanding subregulation 2(b), a student may be used in a crew member position with any other student not on the same specific course where practical resting, flight checking or line operational simulation is being conducted.

Items to be Carried by Student Pilot on Training and Solo Flight

Limitations
on student
pilot enrolled
in actual
flight
curricula

44. A student pilot shall carry the following items on each aircraft he uses for flight training and solo flights—

- (a) a pre-takeoff and pre-landing checklist; and
- (b) the aircraft operating handbook or aircraft flight manual for the aircraft where one is furnished by the manufacturer.

Enrollment Documents

Enrollment
Document
For Aviation
Training
Organisation
with Level 1
and Level 2
Flight
Training
Specifications

45. (1) An Aviation Training Organisation with Level 1 and Level 2 Flight Training Specifications, shall furnish each student upon enrollment, a copy of—

- (a) a certificate of enrolment containing—
 - (i) the name of the course in which the student is enrolled; and
 - (ii) the date of enrollment.
- (b) the training syllabus of the student;
- (c) the safety procedures and practices of the Aviation Training Organisation for student pilots, which describe—
 - (i) the use of the facilities and the operation of the aircraft of the Aviation Training Organisation;
 - (ii) the weather minimum required by the Aviation Training Organisation for dual solo flights ;
 - (iv) the procedures for starting and taxiing aircraft on the ramp;
 - (v) fire precautions and procedures;
 - (vi) re-dispatch procedures after un-programmed landings, on and off airports;

Seal of
Parachute
Rigger

- (vii) aircraft discrepancies and write-offs;
- (viii) securing of aircraft when not in use;
- (ix) fuel reserves necessary for local and cross-country flights;
- (x) avoidance of other aircraft in flight and on the ground;
- (xi) minimum altitude limitations and simulated emergency landing instructions; and
- (xii) a description of and instructions regarding the use of assigned practice areas.

(2) An applicant for an Aviation Training Organisation with Level 1 or Level 2 Flight Training Specifications shall maintain a monthly listing of persons enrolled in each training course offered by the Aviation Training Organization.

(3) An applicant for an Aviation Training Organisation with Level 1 or Level 2 Flight Training Specifications shall ensure that each training course for which it seeks approval meets the minimum curriculum requirements.

PART IV

AIRCRAFT MAINTENANCE TRAINING REQUIREMENTS

Applicability

46. This Part prescribes the requirements for issuing approvals to an Aviation Training Organization with Aircraft Maintenance Training Specifications to conduct the approved training course and examinations required by and for such organizations to issue certificates to students upon successful completion of such courses.

Approval to Conduct Training

47. No person shall conduct training for the grant of a licence to conduct maintenance on an aircraft or aeronautical product unless he holds an Aviation Training Organization Certificate with an Aircraft Maintenance Training specifications issued under regulation 5 or has otherwise been approved by the Authority to conduct such training.

Application for Aviation Training Organization Certificate with Aircraft Maintenance Training Specifications

48. (1) A person wishing to apply for an Aviation Training Organization Certificate with Aircraft Maintenance Training specifications shall—

- (a) apply in the manner set out in regulation 5;
- (b) attach a copy of his Training Procedures Manual.

Applicability
of Part VI

Aircraft
Maintenance
Training

Application
and issue of
Aviation
Training
Organization
with Aircraft
Maintenance
Training
specifications

(2) Where the Director General is satisfied that an applicant under regulation 5, has met the relevant requirements of this Part he shall recommend the Authority issue to the applicant with an Aviation Training Organization Certificate with Aircraft Maintenance Training Specifications.

Aircraft Maintenance Engineer Training Courses

Director
General may
recommend
approval of
certain courses
of instruction

49. The Director General may where an applicant under regulation 48 meets the requirements of regulation 6, recommend the Authority approve the following courses of instruction:

- (a) Airframe rating;
- (b) Powerplant rating; and
- (c) Airframe and Powerplant rating

General Curriculum Requirements

Curriculum
requirements
for Aviation
Training
Organisation

50. (1) An Aviation Training Organization with Aircraft Maintenance Training Specification shall have a curriculum that is designed to qualify its students to perform the duties of an Aircraft Maintenance Engineer for a particular rating or ratings.

(2) A curriculum under subregulation (1) shall—

- (a) be approved by the Authority; and
- (b) offer at least the following number of hours of instruction:
 - (i) one thousand one hundred and fifty hours comprising four hundred general hours plus seven hundred and fifty airframe hours for an airframe rating;
 - (ii) one thousand one hundred and fifty hours comprising four hundred general hours and seven hundred and fifty powerplant hours for a powerplant rating;
 - (iii) one thousand nine hundred hours comprising four hundred general hours plus seven hundred and fifty airframe hours and seven hundred and fifty powerplant hours for a combined airframe and powerplant rating.

(3) An instruction unit hour under subregulation (2)(b), shall be not less than fifty minutes in length.

(4) A curriculum under this regulation shall cover the subjects and items prescribed in the applicable Implementing Standard to this regulation under Schedule 3

Schedule 3

(5) An Aviation Training Organization with Aircraft Maintenance Training Specifications, shall teach each subject to at least the indicated level of proficiency defined in the applicable Implementing Standard to this regulation under Schedule 3.

Schedule 3

(6) An Aviation Training Organisation with Aircraft Maintenance Training Specifications shall maintain a curriculum that shows—

- (a) the required practical projects to be completed;
- (b) the proportions of theory and other instruction to be given, for each subject; and
- (c) a list of the minimum required tests to be given.

(7) An Aviation Training Organization with Aircraft Maintenance Training Specifications may issue Aircraft Maintenance Engineer licences of competency to persons successfully completing speciality courses where all requirements are met and the licences of competency specifies the aircraft make and model to which the license applies.

Aircraft Maintenance Engineer Training Programme Providers

51. (1) The holder of a training organisation applicant may apply to the Authority for approval for an Aircraft Maintenance Engineer training programme.

Application
for approval
of Aircraft
Maintenance
Engineer
Training
Programme

(2) An air operator, an Aircraft Maintenance Organization or an Aviation Training Organization may apply to the Authority for approval for an Aircraft Maintenance Engineer training programme that meets the requirements of this Part.

Instructor Requirements

52. (1) An Aviation Training Organization with Aircraft Maintenance Training Specifications shall appoint an authorised instructor for each twenty-five students in each class held in a shop where students are performing actual tasks appropriate to the curriculum.

Requirements
for
instructors of
an Aviation
Training
Organisation

(2) An Aviation Training Organization with Aircraft Maintenance Training Specifications may provide specialized instructors, who are not licensed in accordance with Civil Aviation [(No. 1) General Application and Personnel Licensing] Regulations, 2004, to teach mathematics, physics, basic electricity, basic hydraulics, drawing, and similar subjects.

(3) An Aviation Training Organization with Aircraft Maintenance Training Organisation Specifications shall maintain a list of the names and qualifications of such specialised instructors referred to in subregulation (2), and upon request, provide a copy of such list, with a summary of the qualifications of each specialised instructor to the Authority.

Attendance and Credit for Prior Instruction or Experience

Power of
Aviation
Training
Organisation
with Aircraft
Maintenance
Training
Organisation
Specifications
to give credit

53. (1) An Aviation Training Organization may give credit to a student—

(a) with instruction satisfactorily completed at—

- (i) an accredited university;
- (ii) an accredited vocational, technical, trade or high school;
- (iii) a military technical school;
- (iv) an Aviation Training Organization;
- (v) such other institutions as defined in its Training Procedures Manual.

(b) with previous aviation maintenance experience comparable to required curriculum subjects—

- (i) by determining the amount of credit to be allowed by documents verifying previous experience; and
- (ii) by giving the student a test equal to the one given to students who complete the comparable required curriculum subject at the Aviation Training Organization.

(c) seeking an additional rating with previous satisfactory completion of the general portion of an Aircraft Maintenance Engineer's curriculum.

(2) An Aviation Training Organisation with Aircraft Maintenance Training Specifications may allow credit for previous instruction under subsection (1) through the conduct of—

(a) an entrance test equal to one given to the students who complete a comparable required curriculum subject at the crediting Aviation Training Organization ;

(b) an evaluation of an authenticated transcript from the former school of the student; or

(c) an entrance test, in the case of an applicant from a military school.

(3) An Aviation Training Organization with Aircraft Maintenance Training Specifications shall show hours of absence from training allowed for students and shall show the method of ensuring that missed instructions is made available to the student.

**Aviation Training Organization with Aircraft Maintenance
Training Specifications Privileges**

54. (1) An Aviation Training Organization with Aircraft Maintenance Training specifications may carry out the following as permitted by and in accordance with its approved Training Procedures Manual—

Privileges of
the Aviation
Training
Organization
with Aircraft
Maintenance
Training
Specifications

- (a) approved basic training courses of the syllabus, or part thereof.
- (b) approved aircraft type or task training courses in accordance with the Civil Aviation Regulations [(No. 1) General Application and Personnel Licencing] Regulations, 2004;
- (c) the conduct of examinations on behalf of the Authority including, when requested by the Authority, the examination of students who did not attend the basic aircraft or aircraft type training course at the basic of aircraft type training course at the Aviation Training Organization; and
- (d) the issue of Certificates of Completion following successful completion of the approved basic or aircraft type training courses and examinations specified in paragraphs (a) (b) or (c).

(2) Training, knowledge examinations and practical assessments shall only be carried out—

- (a) at the locations identified on the Aviation Training Organisation Certificate of the Aviation Training Organisation with Aircraft Maintenance Training Organisation Specifications;
- (b) at any location specified in the approved Training Procedures Manual of an Aviation Training Organization with Aircraft Maintenance Training Organisation Specifications; or
- (c) at any other location approved by the Authority.

PART V

**TRAINING COURSES FOR AIRMEN OTHER THAN FLIGHT CREW AND
MAINTENANCE ENGINEERS**

55. (1) This Part provides an alternative means to accomplish flight training required by the Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004 and Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004.

Applicability
of Part V

(2) Certification under this Part is not required for training that is—

- (a) approved under the provisions of the Civil Aviation [(No.3) Air Operator Certification and Administration] Regulations, 2004; and
- (b) conducted under the Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004.

Flight Operations Officer Training Course

Flight
Operations
Officer
training
course
requirements

56. (1) An applicant for or the holder of an Aviation Training Organization Certificate, proposing to conduct Flight Operations Officers training courses for the granting of a Flight Operations Officer Authorization under Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004 by the Authority, shall apply to the Authority for approval to conduct such course.

(2) An application under subregulation (1), shall include an outline of the major topics and sub-topics to be covered, and the number of hours proposed for each.

(3) A training course under subregulation (1) shall extend over a minimum of two hundred total course hours covering the knowledge and practical training in the topics and sub-topics under subregulation (2).

(4) Where the Director General is satisfied that the proposed course meets the minimum requirements for the granting of a Flight Operations Officer Authorization under Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004, he may recommend the Authority grant approval to the Aviation Training Organization to conduct such course.

(5) An approval granted by the Authority to operate a Flight Operations Officer Training Course shall expire twenty-four months after the last day of the month of issuance of the approval.

(6) An Aviation Training Organisation approved to conduct a Flight Operations Officer Training Course shall apply to the Authority for renewal within thirty days prior to the expiration date of his approval

Personnel
requirements
for an
Aviation
Training
Organisation
approved to
conduct a
Flight
Operations
Officer
Training
Course

57. An Aviation Training Organisation approved to conduct a Flight Operations Officer Training Course shall ensure that he maintains an adequate number of authorized instructors who maintain a twenty-four month student passing average of at least eighty percent for the students taking the practical test on the first attempt.

Other Courses of Instruction

58. (1) Where an applicant for or the holder of an Aviation Training Organization Certificate meets the applicable requirements of regulation 5, the Director General may recommend that the Authority approve the following courses of instruction for airmen other than flight crew and aircraft maintenance engineers: Other courses of instruction

- (a) Air Traffic Services Training;
- (b) Cabin Crew;
- (c) Material Handlers;
- (d) Ground servicing personnel;
- (e) Security personnel; and
- (f) Such other courses approved by the Authority.

(2) The Director General may recommend that the Authority approve a course for where the applicant for or holder of an Aviation Training Organization Certificate shows that the course contains a curriculum that shall achieve a level of competency equal to, or greater than, that required by applicable parts of these Regulations.

Implementing Standards

59. The holder of or applicant for an Aviation Training Organisation Certificate under these Regulations in meeting the requirements of Regulations 16, 28, 31, 33, 36, 37, 38, 42, 45 and 50, shall ensure that he complies with the minimum implementing standards set out in Schedule 3. Requirements to comply with minimum standards

Schedule 3

Director General may amend Schedules

60. The Director General may, by Order amend any of the Schedules. Director General to amend Schedules

Transitional

61. (1) The Aviation Training Organization requirements under these Regulations shall come into effect twelve months from the date of publication of these Regulations. Transitional Provision

(2) A holder of an Aviation Training Organization Certificate who on the commencement of these Regulations continues to operate as an Aviation Training Organization under his existing Certificate shall apply to the Authority for re-certification under these Regulations and successfully complete his re-certification within the six months period provided under subregulation (1).

SCHEDULE 1

[Regulation 5 (2)(b)(i)]

An applicant for an Aviation Training Organization certificate and training specification shall provide to the Authority the following information—

- (a) a statement showing that the minimum qualification requirements for each management position are met or exceeded;
- (b) a statement acknowledging that the applicant may notify the Authority within ten working days of any change made in the assignment of persons in the required management positions;
- (c) the proposed training specifications requested by the applicant;
- (d) the proposed evaluation authorisation;
- (e) a description of the flight training equipment that the applicant proposes to use;
- (f) a description of the applicant's training facilities, equipment, and qualifications of personnel to be used, and proposed evaluation plans;
- (g) a training programme curriculum, including syllabi, outlines, courseware, procedures, and documentation, upon request by the Authority;
- (h) a description of a recordkeeping system that will identify and document the details of training, qualification, and licensing of students, instructors, and evaluation aviation training organizations;
- (i) a description of quality control measures proposed; and
- (j) a method of demonstrating the applicant's qualification and ability to provide training for a license or rating in fewer than the minimum hours prescribed in Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004, if the applicant proposes to do so.

SCHEDULE 2

[Regulation 16 (15)]

An applicant for, and holder of, an Aviation Training Organization certificate shall have facilities the Authority determines are appropriate for the maximum number of students expected to be taught at any time, as follows:

- (a) an enclosed classroom;
- (b) suitable facilities arranged to assure proper separation from the working space, for parts, tools, materials, and similar articles;
- (c) suitable area for application of finishing materials, including paint spraying;
- (d) suitable areas equipped with washtank and degreasing equipment with air pressure or other adequate cleaning equipment;
- (e) suitable facilities for running engines;
- (f) suitable area with adequate equipment, including benches, tables, and test equipment, to disassemble, service, and inspect;
 - (i) ignition systems, electrical equipment, and appliances;
 - (ii) carburetors and fuel systems; and
 - (iii) hydraulic and vacuum systems for aircraft, aircraft engines, and their appliances;
- (g) suitable space with adequate equipment, including tables, benches, stands, and jacks, for disassembling, inspecting, and rigging aircraft;
- (h) suitable space with adequate equipment for disassembling, inspecting, assembling, troubleshooting, and timing engines.

SCHEDULE 3

IMPLEMENTING STANDARDS

Regulation 16 (18) Airport Requirements

An applicant for, and holder of, an Aviation Training Organization certificate with Level 1 Flight Training Specifications shall show that the airport at which training flights originate has the following:

- (a) at least one runway or takeoff area that allows training aircraft to make a normal takeoff and landing at the aircraft's maximum certified takeoff gross weight under the following conditions:
 - (i) wind not more than 5 knots;
 - (ii) temperatures equal to the mean high temperature for the hottest month of the year in the operating area;
 - (iii) if applicable, with the powerplant operation, and landing gear and flap operation recommended by the manufacturer; and
 - (iv) in the case of a takeoff—
 - (A) with smooth transition from lift-off to the best rate of climb speed without exceptional piloting skills or techniques; and
 - (B) clearing all obstacles in the takeoff flight path by at least 50 feet;
- (b) a wind direction indicator that is visible from the end of each runway at ground level;
- (c) a traffic direction indicator when—
 - (i) the airport does not have an operating control tower; and
 - (ii) traffic and wind advisories are not available;
- (d) except as provided in paragraph (e), permanent runway lights if that airport is to be used for night training flights; and
- (e) adequate non-permanent lighting or shoreline lighting for an airport or seaplane base for night training flights in seaplanes, if approved by the Authority.

Regulation 28(1)(a)(i): Private Pilot Licensing Course

The following curriculum meets the minimum curriculum standard for a private pilot licensing course:

- (1) Ratings:
 - (a) aeroplane single-engine;
 - (b) aeroplane multiengine;
 - (c) rotorcraft helicopter;
 - (d) rotorcraft gyroplane;
 - (e) powered-lift;
 - (f) glider;
 - (g) lighter-than-air airship; and
 - (h) lighter-than-air balloon.
- (2) Eligibility for enrolment: A person shall hold a student pilot license prior to enrolling in the flight portion of the private pilot licensing course.

(3) Aeronautical knowledge training:

(a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each approved course includes at least the following hours of ground training on the following aeronautical knowledge areas, appropriate to the aircraft category and class rating—

- (i) 35 hours for an aeroplane, rotorcraft, or powered-lift category rating;
- (ii) 15 hours for a glider category rating;
- (iii) 10 hours for a lighter-than-air category with a balloon class rating; and
- (iv) 35 hours for a lighter-than-air category with an airship class rating;

(b) ground training shall include the following aeronautical knowledge areas:

- (i) applicable Trinidad and Tobago regulations for private pilot privileges, limitations, and flight operations;
- (ii) accident reporting requirements of Trinidad and Tobago;
- (iii) applicable subjects of the Authority provided aeronautical information publications;
- (iv) aeronautical charts for visual flight rules navigation using pilotage, dead reckoning, and navigation systems;
- (v) radio communication procedures;
- (vi) recognition of critical weather situations from the ground and in flight, windshear avoidance, and the procurement and use of aeronautical weather reports and forecasts;
- (vii) safe and efficient operation of aircraft, including collision avoidance, and recognition and avoidance of wake turbulence;
- (viii) effects of density altitude on takeoff and climb performance;
- (ix) weight and balance computations;
- (x) principles of aerodynamics, powerplants, and aircraft systems;
- (xi) if the training course is for an aeroplane category or glider category rating, stall awareness, spin entry, spins, and spin recovery techniques;
- (xii) aeronautical decision making and judgement; and
- (xiii) pre-flight action that includes:
 - (A) obtaining information on runway lengths, data on takeoff and landing distances, weather reports and forecasts, and fuel requirements; and
 - (B) planning for alternatives if a planned flight cannot be completed or delays are encountered.

(4) Flight training:

(a) each applicant for, and holder of, an aviation training organization certificate with this rating shall include at least the following hours of flight training on the areas of operation listed in paragraph (d), appropriate to the aircraft category and class rating:

- (i) 35 hours for an aeroplane, rotorcraft, powered-lift, or airship rating;
- (ii) 6 hours for a glider rating; and
- (iii) 8 hours for a balloon rating;

- (b) each applicant for, and holder of, an aviation training organization certificate with this rating shall include at least the following hours of flight training in each course:
- (i) for each category and class, unless otherwise noted, 20 hours from a licensed flight instructor on the applicable areas of operation that includes at least—
 - (A) 3 hours of cross-country flight training in the category and class involved;
 - (B) 3 hours of night flight training in the category and class involved that includes—
 - (I) one cross-country flight of more than 100-nautical-miles total distance; and
 - (II) 10 takeoffs and 10 landings to a full stop (with each landing involving a flight in the traffic pattern);
 - (C) 3 hours of instrument training in the category and class involved; and
 - (D) 3 hours in the category and class involved in preparation for the practical test within 60 days preceding the date of the test;
 - (c) specific training for other categories and classes as shown:
 - (i) for a rotorcraft helicopter and gyroplane course—
 - (A) 3 hours of night flight training in a helicopter that includes one cross-country flight of more than 50-nautical-miles total distance;
 - (ii) for a glider course: 4 hours from a licensed flight instructor on the applicable areas of operation in paragraph (d) and (e) that includes at least—
 - (A) five training flights in a glider on launch/tow procedures approved for the course and in the applicable areas of operation listed in paragraphs (d) and (e); and
 - (B) three training flights in a glider in preparation for the practical test within 60 days preceding the date of the test;
 - (iii) for a lighter-than-air airship course: 20 hours from a commercial pilot with an airship rating on the applicable areas of operation in paragraph (d) and (e) that include at least—
 - (A) 3 hours cross country training in an airship;
 - (B) 3 hours of night flight training in an airship that includes—
 - (I) one cross-country flight over 25 nautical-miles total distance; and
 - (II) five takeoffs and five landings to a full stop (with each landing involving a flight in the traffic pattern);

- (iv) for a lighter-than-air balloon course: 8 hours, including at least five flights, from a commercial pilot with a balloon rating on the applicable areas of operation in paragraph (d) and (e), that includes—
 - (A) if the training is being performed in a gas balloon—
 - (I) two flights of 1 hour each;
 - (II) one flight involving a controlled ascent to 3,000 feet above the launch site; and
 - (III) two flights in preparation for the practical test within sixty days preceding the date of the test;
 - (B) if the training is being performed in a balloon with an airborne heater—
 - (I) two flights of 30 minutes each;
 - (II) one flight involving a controlled ascent to 2,000 feet above the launch site; and
 - (III) two flights in preparation for the practical test within 60 days preceding the date of the test;
- (d) each approved course shall include flight training in the following areas of operation that are applicable to the aircraft category and class rating:
 - (i) preflight preparation;
 - (ii) preflight procedures;
 - (iii) airport and seaplane base operations;
 - (iv) takeoffs, landings, and go-arounds;
 - (v) performance manoeuvres;
 - (vi) ground reference manoeuvres;
 - (vii) navigation;
 - (viii) slow flight and stalls;
 - (ix) basic instrument manoeuvres;
 - (x) emergency operations;
 - (xi) night operations; and
 - (xii) postflight procedures;
- (e) in addition, for the specific category and class of aircraft shown, each approved course shall include the applicable flight training in the following areas of operation:
 - (i) for a multiengine aeroplane course, multiengine operations;
 - (ii) for a rotorcraft helicopter course; hovering manoeuvres;
 - (iii) for a rotorcraft gyroplane course flight at slow airspeeds;
 - (iv) for a powered-lift course hovering manoeuvres;
 - (v) for a glider course—
 - (A) launches/tows, as appropriate, and landings;
 - (B) performance speeds; and
 - (C) soaring techniques;
 - (vi) for a lighter-than-air balloon course launches and landings;

- (5) Solo flight training. Each approved course shall include at least the following solo flight training:
- (a) for an aeroplane single-engine course: 5 hours of solo flight training in a single-engine aeroplane on the applicable areas of operation in paragraph (4)(d) that includes at least—
 - (i) one solo cross-country flight of at least 100 nautical miles with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 50 nautical miles between the takeoff and landing locations; and
 - (ii) three takeoffs and three landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower;
 - (b) for an aeroplane multiengine course: 5 hours of flight training in a multiengine aeroplane performing the functions of a pilot in command while under the supervision of a licensed flight instructor, the training shall consist of the applicable areas of operation in paragraph (4)(d) and include at least—
 - (i) one cross-country flight of at least 100 nautical miles with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 50 nautical miles between the takeoff and landing locations; and
 - (ii) three takeoffs and three landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower;
 - (c) for a rotorcraft helicopter course: 5 hours of solo flight training in a helicopter on the applicable areas of operation in paragraph (4)(d) that includes at least—
 - (i) one solo cross-country flight of more than 50 nautical miles with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 25 nautical miles between the takeoff and landing locations; and
 - (ii) three takeoffs and three landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower;
 - (d) for a rotorcraft gyroplane course: 5 hours of solo flight training in gyroplanes on the applicable areas of operation in paragraph (4)(d) that includes at least—
 - (i) one solo cross-country flight of more than 50 nautical miles with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 25 nautical miles between the takeoff and landing locations; and
 - (ii) three takeoffs and three landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower;

- (e) for a powered-lift course: 5 hours of solo flight training in a powered-lift on the applicable areas of operation in paragraph (4)(d) that includes at least—
 - (i) one solo cross-country flight of at least 100 nautical miles with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 50 nautical miles between the takeoff and landing locations;
 - (ii) three takeoffs and three landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower; and
 - (iii) transition from hover to forward flight using wing lift;
 - (f) for a glider course: two solo flights in a glider on the applicable areas of operation in paragraph (4)(d) and the launch and tow procedures appropriate for the approved course;
 - (g) for a lighter-than-air airship course: 5 hours of flight training in the applicable areas of operation shown in paragraph (4)(d) in an airship performing the functions of pilot in command while under the supervision of a commercial pilot with an airship rating;
 - (h) for a lighter-than-air balloon course: training on the applicable areas of operation in paragraph (4)(d), as applicable, and
 - (i) two solo flights in a balloon with an airborne heater; or
 - (ii) at least two flights in a gas balloon performing the functions of pilot in command while under the supervision of a commercial pilot with a balloon rating.
- (6) Stage checks and end-of-course tests.
- (a) each student, to graduate from a private pilot course shall satisfactorily accomplish the stage checks and end-of-course tests, consisting of the applicable areas of operation listed in paragraph (4)(d) for the aircraft category and class rating;
 - (b) each student shall demonstrate satisfactory proficiency prior to being endorsed to operate an aircraft in solo flight.

Regulation 28(1)(a)(ii): Instrument rating Course

The following curriculum meets the minimum curriculum standard for an instrument rating course and additional instrument rating course:

- (1) Ratings—
 - (a) instrument: aeroplane;
 - (b) instrument: helicopter; and
 - (c) instrument: powered-lift.
- (2) Eligibility for enrolment. A person shall hold at least a private pilot license with an aircraft category and class rating appropriate to the instrument rating for which the course applies prior to enrolling in the flight portion of the instrument rating course.

- (3) Aeronautical knowledge training.
- (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each approved course includes at least the following hours of ground training on the aeronautical knowledge areas appropriate to the instrument rating sought:
 - (i) 30 hours for an initial instrument rating; and
 - (ii) 20 hours for an additional instrument rating;
 - (b) ground training shall include the following aeronautical knowledge areas:
 - (i) applicable Trinidad and Tobago regulations for IFR flight operations;
 - (ii) appropriate information in aeronautical information publications provided by the Authority;
 - (iii) air traffic control system and procedures for instrument flight operations;
 - (iv) IFR navigation and instrument approaches to an airport by use of navigation systems;
 - (v) use of IFR enroute and instrument approach procedure charts;
 - (vi) procurement and use of aviation weather reports and forecasts, and the elements of forecasting weather trends on the basis of that information and personal observation of weather conditions;
 - (vii) safe and efficient operation of aircraft under IFR conditions;
 - (viii) recognition of critical weather situations and windshear avoidance;
 - (ix) aeronautical decision making and judgement; and
 - (x) crew resource management, to include crew communication and co-ordination.
- (4) Flight training:
- (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least the following hours of flight training on the applicable areas of operation listed in paragraph (c):
 - (i) 35 hours for an initial instrument rating; and
 - (ii) 15 hours for an additional instrument rating;
 - (b) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes the following flight training:
 - (i) for an instrument aeroplane course: instrument training from a licensed flight instructor with an instrument rating on the applicable areas of operation in paragraph (c) including at least one cross-country flight that—
 - (A) is in the category and class of aeroplane that the course is approved for, and is performed under if;
 - (B) is a distance of at least 250 nautical miles with one segment of the flight consisting of at least a straight-line distance of 100 nautical miles between airports;
 - (C) involves an instrument approach at each airport; and
 - (D) involves three approaches with the use of different kinds of navigation systems;

- (ii) for an instrument helicopter course: instrument training from a licensed flight instructor with an instrument rating on the applicable areas of operation in paragraph (c) including at least one cross-country flight that;
 - (A) is performed in a helicopter under IFR;
 - (B) is a distance of at least 100 nautical miles with one segment of the flight consisting of at least a straight-line distance of 50 nautical miles between airports;
 - (C) involves an instrument approach at each airport; and
 - (D) involves three approaches with the use of different kinds of navigation systems;
 - (iii) for an instrument powered-lift course: instrument training from a licensed flight instructor with an instrument rating on the areas of operation in paragraph (c) including at least one cross-country flight that;
 - (A) is in a powered-lift and is performed under IFR;
 - (B) involves transition from wing-borne to rotor-borne flight under IFR;
 - (C) is a distance of at least 250 nautical miles with one segment of the flight consisting of at least a straight-line distance of 100 nautical miles between airports;
 - (D) involves an instrument approach at each airport; and
 - (E) involves three different kinds of approaches with the use of navigation systems;
 - (c) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes the flight training on the applicable areas of operation listed in this paragraph appropriate to the instrument aircraft category and class rating—
 - (i) preflight preparation;
 - (ii) preflight procedures;
 - (iii) air traffic control clearances and procedures;
 - (iv) flight by reference to instruments;
 - (v) navigation systems;
 - (vi) instrument approach procedures;
 - (vii) emergency operations; and
 - (viii) postflight procedures.
- (5) Stage checks and end-of-course tests. Each student, to graduate from an instrument rating course shall satisfactorily accomplish the stage checks and end-of-course tests, consisting of the areas of operation listed in paragraph (4)(c) that are appropriate to the aircraft category and class rating.

Regulation 28(1)(a)(iii): Commercial Pilot Licensing Course

The following curriculum meets the minimum curriculum standard for a commercial pilot licensing course:

- (1) Ratings:
 - (a) aeroplane single-engine;
 - (b) aeroplane multiengine;
 - (c) rotorcraft helicopter;
 - (d) rotorcraft gyroplane;
 - (e) powered-lift;
 - (f) glider;
 - (g) lighter-than-air airship;
 - (h) lighter-than-air balloon.
- (2) Eligibility for enrolment: A person shall hold the following prior to enrolling in the flight portion of the commercial pilot licensing course:
 - (a) at least a private pilot license; and
 - (b) if the course is for a rating in an aeroplane or a powered-lift category—
 - (i) hold an instrument rating in the aircraft that is appropriate to the aircraft category rating for which the course applies; or;
 - (ii) be enrolled concurrently in an instrument rating course that is appropriate to the aircraft category rating for which the course applies, and pass the required instrument rating practical test prior to completing the commercial pilot licensing course.
- (3) Aeronautical knowledge training:
 - (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least the following ground training on the applicable aeronautical knowledge areas listed in paragraph (b):
 - (i) 65 hours for an aeroplane category rating, powered-lift category rating, or a lighter-than-air category with an airship class rating;
 - (ii) 30 hours for a rotorcraft category rating;
 - (iii) 20 hours for a glider category rating;
 - (iv) 20 hours for a lighter-than-air category with a balloon class rating;
 - (b) ground training shall include the following aeronautical knowledge areas:
 - (i) Trinidad and Tobago regulations that apply to commercial pilot privileges, limitations, and flight operations;
 - (ii) accident reporting requirements of Trinidad and Tobago;
 - (iii) basic aerodynamics and the principles of flight;
 - (iv) meteorology, to include recognition of critical weather situations, windshear recognition and avoidance, and the use of aeronautical weather reports and forecasts;
 - (v) safe and efficient operation of aircraft;
 - (vi) weight and balance computations;
 - (vii) use of performance charts;
 - (viii) significance and effects of exceeding aircraft performance limitations;
 - (ix) use of aeronautical charts and a magnetic compass for pilotage and dead reckoning;
 - (x) use of air navigation facilities;

- (xi) aeronautical decision making and judgement;
- (xii) principles and functions of aircraft systems;
- (xiii) manoeuvres, procedures, and emergency operations appropriate to the aircraft;
- (xiv) night and high-altitude operations;
- (xv) descriptions of and procedures for operating within the Trinidad and Tobago airspace system;
- (xvi) procedures for flight and ground training for lighter-than-air ratings.

(4) Flight training:

(a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least the following flight training on the applicable areas of operation listed in paragraph (c)—

- (i) 155 hours for an aeroplane, powered-lift, or an airship rating;
- (ii) 115 hours for a rotorcraft rating;
- (iii) 6 hours for a glider rating;
- (iv) 10 hours and 8 training flights for a balloon rating.

(b) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least the following flight training:

(i) for an aeroplane single-engine course: 55 hours of flight training from a licensed flight instructor on the areas of operation listed in paragraph (c) that includes at least—

- (A) 5 hours of instrument training in a single-engine aeroplane;
- (B) 10 hours of training in a single-engine aeroplane that has retractable landing gear, flaps, and a controllable pitch propeller, or is turbine-powered;
- (C) one cross-country flight in a single-engine aeroplane of at least a 2-hour duration, a total straight-line distance of more than 100 nautical miles from the original point of departure, and occurring in day visual flight rules conditions;
- (D) one cross-country flight in a single-engine aeroplane of at least a 2-hour duration, a total straight-line distance of more than 100 nautical miles from the original point of departure, and occurring in night visual flight rules conditions; and
- (E) 3 hours in a single-engine aeroplane in preparation for the practical test within 60 days preceding the date of the test;

(ii) for an aeroplane multiengine course: the flight training shown in paragraph (c), accomplished in a multiengine aeroplane;

(iii) for a rotorcraft helicopter and gyroplane course—the flight training shown in paragraph (c), accomplished in a helicopter; except 30 hours of flight training from a licensed flight instructor on the areas of operation listed in paragraph (c) and (d) that includes at least—

- (A) 5 hours of instrument training;

- (B) one cross-country flight in a helicopter of at least a 2-hour duration, a total straight-line distance of more than 50 nautical miles from the original point of departure, and occurring in day visual flight rules conditions; and
- (C) one cross-country flight in a helicopter of at least a 2-hour duration, a total straight-line distance of more than 50 nautical miles from the original point of departure, and occurring in night visual flight rules conditions;
- (iv) for a powered-lift course: the applicable flight training shown in paragraph (c), flown in a powered-lift aircraft;
- (v) for a glider course: 4 hours of flight training from a licensed flight instructor on the areas of operation in paragraph (c) and (d), that includes at least—
 - (A) five training flights in a glider on launch/tow procedures approved for the course and on the appropriate areas of operation listed in paragraph (c) and (d); and
 - (B) three training flights in a glider in preparation for the practical test within the 60 days preceding the date of the test;
- (vi) for a lighter-than-air airship course: 55 hours of training in airships from a commercial pilot with an airship rating on the areas of operation in paragraphs (c) and (d) that includes at least—
 - (A) 3 hours of instrument training in an airship;
 - (B) one cross-country flight in an airship of at least a 1-hour duration, a total straight-line distance of more than 25 nautical miles from the original point of departure, and occurring in day visual flight rules conditions;
 - (C) one cross-country flight in an airship of at least a 1-hour duration, a total straight-line distance of more than 25 nautical miles from the original point of departure, and occurring in night visual flight rules conditions; and
 - (D) 3 hours in an airship, in preparation for the practical test within 60 days preceding the date of the test;
- (vii) for a lighter-than-air balloon course: flight training from a commercial pilot with a balloon rating on the areas of operation in paragraph (e)(8) that includes at least—
 - (A) for a gas balloon—
 - (I) two flights of 1 hour each;
 - (II) one flight involving a controlled ascent to at least 5,000 feet above the launch site; and
 - (III) two flights in preparation for the practical test within 60 days preceding the date of the test;

- (B) for a balloon with an airborne heater—
 - (I) two flights of 30 minutes each;
 - (II) one flight involving a controlled ascent to at least 3,000 feet above the launch site; and
 - (III) two flights in preparation for the practical test within 60 days preceding the date of the test;
- (c) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes the flight training on the following areas of operation, as applicable:
 - (i) for an aeroplane single-engine course—
 - (A) preflight preparation;
 - (B) preflight procedures;
 - (C) airport and seaplane base operations;
 - (D) takeoffs, landings, and go-arounds;
 - (E) performance manoeuvres;
 - (F) navigation;
 - (G) slow flight and stalls;
 - (H) emergency operations;
 - (I) high-altitude operations; and
 - (J) postflight procedures;
 - (d) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course for the following category and class ratings includes flight training on the applicable areas of operation:
 - (i) for an aeroplane multiengine course multiengine operations;
 - (ii) for a rotorcraft helicopter course—
 - (A) hovering manoeuvres;
 - (B) transition to wing-borne flight;
 - (C) transition to hover; and
 - (D) special operations;
 - (iii) for a rotorcraft gyroplane course, flight at slow airspeeds;
 - (iv) for a powered-lift course—
 - (A) hovering manoeuvres; and
 - (B) special operations;
 - (v) for a glider course—
 - (A) launches or tows, as appropriate, and landings; and
 - (B) soaring techniques;
 - (vi) for a lighter-than-air airship course—
 - (A) fundamentals of instructing;
 - (B) technical subjects; and
 - (C) preflight lessons on a manoeuvre to be performed in flight;

- (vii) for a lighter-than-air balloon course—
 - (A) fundamentals of instructing;
 - (B) technical subjects;
 - (C) preflight lesson on a manoeuvre to be performed in flight; and
 - (D) launches and landings.

(5) Solo training. Each applicant for, and holder of, an Aviation Training Organization certificate with Level 1 Flight Training Specifications, shall ensure that each approved course includes at least the following solo flight training:

(a) for an aeroplane single-engine course: 10 hours of solo flight training in a single-engine aeroplane on the areas of operation in paragraph (4)(c)(i) that include at least—

- (i) one cross-country flight, if the training is being performed on a small island, with landings at a minimum of three points, and one of the segments consisting of a straight-line distance of at least 150 nautical miles;
- (ii) one cross-country flight, if the training is being performed on other than a small island, with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 250 nautical miles; and
- (iii) 5 hours in night visual flight rules conditions with 10 takeoffs and 10 landings with each landing involving a flight with a traffic pattern at an airport with an operating control tower;

(b) for an aeroplane multiengine course, 10 hours of flight training in a multiengine aeroplane performing the functions of pilot in command while under the supervision of a licensed flight instructor, consisting of the areas of operation in paragraph (4)(d)(i) that include at least—

- (i) one cross-country flight, if the training is being performed on a small island, with landings at a minimum of three points, and one of the segments consisting of a straight-line distance of at least 150 nautical miles;
- (ii) one cross-country flight, if the training is being performed on a small island, with landings at a minimum of three points and one segment of the flight consisting of straight-line distance of at least 250 nautical miles; and
- (iii) 5 hours in night visual flight rules conditions with 10 takeoffs and 10 landings with each landing involving a flight with a traffic pattern at an airport with an operating control tower;

(c) for a rotorcraft helicopter course: 10 hours of solo flight training in a helicopter on the areas of operation in paragraph (4)(d)(ii) that include at least—

- (i) one cross-country flight with landings at a minimum of three points and one segment of the flight consisting of a straight-line distance of at least 50 nautical miles from the original point of departure; and

- (ii) 5 hours in night visual flight rules conditions with 10 takeoffs and 10 landings with each landing involving a flight with a traffic pattern at an airport with an operating control tower;
 - (d) for a rotorcraft-gyroplane course: 10 hours of solo flight training in a gyroplane on the areas of operation in paragraph (4)(d)(iii) that include at least—
 - (i) one cross-country flight with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 50 nautical miles from the original point of departure; and
 - (ii) 5 hours in night visual flight rules conditions with 10 takeoffs and 10 landings with each landing involving a flight with a traffic pattern at an airport with an operating control tower;
 - (e) for a powered-lift course: 10 hours of solo flight training in a powered-lift on the areas of operation in paragraph (4)(d)(iv) that include at least—
 - (i) one cross-country flight, if the training is being performed on a small island, with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 150 nautical miles;
 - (ii) one cross-country flight, if the training is being performed on a small island, with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 250 nautical miles; and
 - (iii) 5 hours in night visual flight rules conditions with 10 takeoffs and 10 landings with each landing involving a flight with a traffic pattern at an airport with an operating control tower;
 - (f) for a glider course: 5 solo flights in a glider the areas of operation in paragraph (4)(d)(v);
 - (g) for a lighter-than-air airship course: 10 hours of flight training in an airship, while performing the functions of pilot in command under the supervision of a commercial pilot with an airship rating consisting of the areas of operation in paragraph (4)(d)(vi) that include at least—
 - (i) one cross-country flight with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 25 nautical miles from the original point of departure; and
 - (ii) 5 hours in night visual flight rules conditions with 10 takeoffs and 10 landings with each landing involving a flight with a traffic pattern;
 - (h) for a lighter-than-air balloon course—
 - (i) training on the applicable areas of operation in paragraph (4)(d)(vii), while performing the duties of pilot in command under the supervision of a commercial pilot with a balloon rating;
 - (ii) two solo flights is for a hot air balloon rating; and
 - (iii) at least two flights in a gas balloon for a gas balloon rating;
- (6) Stage checks and end-of-course tests:
- (a) each student, to graduate from a commercial pilot course, shall satisfactorily accomplish the stage checks and end-of-course tests consisting of the applicable areas of operation listed in paragraph (4)(d); and
 - (b) each student shall demonstrate satisfactory proficiency prior to being endorsed to operate an aircraft in solo flight.

Regulation 28(1)(a)(iv): Airline Transport Pilot Licensing Course

The following curriculum meets the minimum curriculum standard for an Airline Transport Pilot Licensing Course:

- (1) Rating:
 - (a) aeroplane single-engine;
 - (b) aeroplane multiengine;
 - (c) rotorcraft helicopter;
 - (d) powered-lift.
- (2) Eligibility for enrolment: Prior to enrolling in the flight portion of the airline transport pilot licensing course, a person shall—
 - (a) meet the aeronautical experience requirements prescribed in Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004, Part III for an Airline Transport Pilot License that is appropriate to the aircraft category and class rating for which the course applies;
 - (b) hold at least a commercial pilot license and an instrument rating;
 - (c) meet the military experience requirements under Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004 to qualify for a Commercial Pilot License and an instrument rating, if the person is a rated military pilot or former rated military pilot of an armed force of Trinidad and Tobago; or
 - (d) hold a foreign Airline Transport Pilot License or foreign Commercial Pilot License and an instrument rating, issued by a contracting state to the convention on international civil aviation.
- (3) Aeronautical knowledge areas:
 - (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least 40 hours of ground training on the applicable aeronautical knowledge areas listed in paragraph (b);
 - (b) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that ground training includes the following aeronautical knowledge areas:
 - (i) applicable Trinidad and Tobago regulations that relate to airline transport pilot privileges, limitations, and flight operations;
 - (ii) meteorology, including knowledge of and effects of fronts, frontal characteristics, cloud formations, icing, and upper-air data;
 - (iii) general system of weather and notam collection, dissemination, interpretation, and use;
 - (iv) interpretation and use of weather charts, maps, forecasts, sequence reports, abbreviations, symbols;
 - (v) Trinidad and Tobago weather service functions as they pertain to operations in the Trinidad and Tobago airspace system;
 - (vi) windshear and microburst awareness, identification and avoidance;
 - (vii) principles of air navigation under instrument meteorological conditions in the Trinidad and Tobago airspace system;

- (viii) air traffic control procedures and pilot responsibilities as they relate to en route operations, terminal area and radar operations, and instrument departure and approach procedures;
 - (ix) aircraft loading; weight and balance; use of charts, graphs, tables, formulas, and computations; and the effects on aircraft performance;
 - (x) aerodynamics relating to an aircraft's flight characteristics and performance in normal and abnormal flight regimes;
 - (xi) human factors;
 - (xii) aeronautical decision making and judgement; and
 - (xiii) crew resource management to include crew communication and co-ordination.
- (4) Flight training:
- (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least 25 hours of flight training on the applicable areas of operation listed in paragraph (b), including at least 15 hours of instrument flight training; and
 - (b) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes flight training on the following areas of operation, as applicable:
 - (i) preflight preparation;
 - (ii) preflight procedures;
 - (iii) takeoff and departure phase;
 - (iv) in-flight manoeuvres;
 - (v) instrument procedures;
 - (vi) landings and approaches to landings;
 - (vii) normal and abnormal procedures;
 - (viii) emergency procedures; and
 - (ix) postflight procedures.
- (5) Stage checks and end-of-course tests. Each student, to graduate from an airline transport pilot course shall satisfactorily accomplish the stage checks and end-of-course tests, consisting of the areas of operation listed in paragraph 4(b) that are appropriate to the aircraft category and class rating for which the course applies.

Regulation 28(2)(a)(v): Flight Instructor Course

The following curriculum meets the minimum curriculum standard for a flight instructor licensing course and an additional flight instructor rating course:

- (1) Rating:
- (a) aeroplane single-engine;
 - (b) aeroplane multiengine;
 - (c) rotorcraft helicopter;
 - (d) rotorcraft gyroplane;
 - (e) powered-lift;
 - (f) glider category.

- (2) Eligibility for enrolment: A person shall hold the following prior to enrolling in the flight portion of the flight instructor or additional flight instructor rating course:
- (a) a commercial pilot license or an airline transport pilot license with an aircraft category and class rating appropriate to the flight instructor rating for which the course applies; and
 - (b) an instrument rating or privilege in an aircraft that is appropriate to the aircraft category and class rating for which the course applies, if the course is for a flight instructor aeroplane or powered-lift instrument rating.
- (3) Aeronautical knowledge training:
- (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least the following ground training in the aeronautical knowledge areas listed in paragraph (b):
 - (i) 40 hours of training if the course is for an initial issuance of a flight instructor certificate; or;
 - (ii) 20 hours of training if the course is for an additional flight instructor rating;
 - (b) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that ground training includes the following aeronautical knowledge areas:
 - (i) the fundamentals of instructing, including:
 - (A) the learning process;
 - (B) elements of effective teaching;
 - (C) student evaluation and testing;
 - (D) course development;
 - (E) lesson planning; and
 - (F) classroom training techniques;
 - (ii) the aeronautical knowledge areas required for—
 - (A) a private and commercial pilot license that is appropriate to the category and class rating sought; and
 - (B) an instrument rating that is appropriate to the aircraft category and class rating for which the course applies, if the course is for an aeroplane or powered-lift aircraft rating;
 - (c) an aviation training organization with level 1 flight training specifications may credit a student who satisfactorily completes 2 years of study on the principles of education at a college or university with no more than 20 hours of the training required in paragraph (a)(i).
- (4) Flight training.
- (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least the following flight training on the applicable areas of operation of paragraphs (b) and (c):
 - (i) 25 hours for an aeroplane, rotorcraft, or powered-lift rating; and
 - (ii) 10 hours and 10 flights for a glider category rating;

(b) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes flight training on the following areas of operation, as applicable for each category and class:

- (i) fundamentals of instructing;
- (ii) technical subject areas;
- (iii) preflight preparation;
- (iv) preflight lesson on a manoeuvre to be performed in flight;
- (v) preflight procedures;
- (vi) airport and seaplane base operations;
- (vii) takeoffs, landings, and go-arounds;
- (viii) fundamentals of flight;
- (ix) performance manoeuvres;
- (x) ground reference manoeuvres;
- (xi) slow flight, stalls, and spins;
- (xii) basic instrument manoeuvres;
- (xiii) emergency operations; and
- (xiv) postflight procedures;

(c) for the category and class of aircraft shown below, each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes flight training in the following areas of operation, as applicable:

- (i) for an aeroplane: multiengine course, multiengine operations;
- (ii) for a rotorcraft: helicopter course—
 - (A) hovering manoeuvres; and
 - (B) special operations;
- (iii) for a rotorcraft: gyroplane course flight at slow airspeeds;
- (iv) for a powered-lift course—
 - (A) hovering manoeuvres;
 - (B) transition to wing-borne flight;
 - (C) transition to hover; and
 - (D) special operations;
- (v) for a glider course—
 - (A) launches, landings, and go-around;
 - (B) performance speeds; and
 - (C) soaring techniques.

(5) Stage checks and end-of-course tests:

(a) each student, to graduate from a flight instructor course shall satisfactorily accomplish the stage checks and end-of-course tests, consisting of the applicable areas of operation listed in paragraph (4);

(b) a student enrolled in a flight instructor-aeroplane rating or flight instructor-glider rating course shall have—

- (i) received a logbook endorsement from a licensed flight instructor certifying the student received ground and flight training on stall awareness, spin entry, spins, and spin recovery procedures in an aircraft that is certified for spins and that is appropriate to the rating sought; and
- (ii) demonstrated instructional proficiency in stall awareness, spin entry, spins, and spin recovery procedures.

Regulation 28(1)(a)(vi): Flight Instructor Instrument Rating Course

This following curriculum meets the minimum curriculum standard for a flight instructor instrument licensing course:

- (1) Ratings:
 - (a) flight instructor instrument: aeroplane;
 - (b) flight instructor instrument: helicopter; and
 - (c) flight instructor instrument: powered-lift aircraft;
- (2) Eligibility for enrolment: A pilot shall hold, prior to enrolling in the flight portion of the course—
 - (a) a commercial pilot license or airline transport pilot license with a category and class rating appropriate to the rating sought; and
 - (b) for commercial pilot license holders, an instrument rating that is appropriate to the rating sought.
- (3) Aeronautical knowledge training:
 - (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least 15 hours of ground training on the applicable aeronautical knowledge areas listed in paragraph (b);
 - (b) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes ground training on the following aeronautical knowledge areas:
 - (i) the fundamentals of instructing including—
 - (A) learning process;
 - (B) elements of effective teaching;
 - (C) student evaluation and testing;
 - (D) course development;
 - (E) lesson planning; and
 - (F) classroom training techniques;
 - (ii) the aeronautical knowledge areas required for the instrument rating that is appropriate to the category and class of aircraft.
- (4) Flight training:
 - (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least 15 hours of flight training in the applicable areas of operation of paragraph (b);
 - (b) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course for the flight instructor-instrument rating includes flight training on the following areas of operation:
 - (i) fundamentals of instructing;
 - (ii) technical subject areas;
 - (iii) pre-flight preparation;
 - (iv) pre-flight lesson on a manoeuvre to be performed in flight;
 - (v) air traffic control clearances and procedures;
 - (vi) flight by reference to instruments;

- (vii) navigation systems;
 - (viii) instrument approach procedures;
 - (ix) emergency operations; and
 - (x) post-flight procedures.
- (5) Stage checks and end-of-course tests: Each student, to graduate from a flight instructor instrument course shall satisfactorily accomplish the stage checks and end-of-course tests, consisting of the applicable areas of operation listed in paragraph (4) (b).

Regulation 28(1)(a)(vii): Ground Instructor Authorization Course

The following curriculum meets the minimum curriculum standard for a ground instructor licensing course and an additional ground instructor rating course, issued under Civil Aviation [(No. 1) General Application and Personnel Licencing] Regulations, 2004:

- (1) Ratings:
- (a) ground instructor: basic;
 - (b) ground instructor: advanced; and
 - (c) ground instructor: instrument.
- (2) Aeronautical knowledge training:
- (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least the following ground training on the applicable knowledge areas listed in paragraphs (b), (c), (d) and (e);
 - (i) 20 hours of training for an initial issuance of a ground instructor certificate; or
 - (ii) 10 hours of training for an additional ground instructor rating;
 - (b) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that ground training includes the following aeronautical knowledge areas:
 - (i) learning process;
 - (ii) elements of effective teaching;
 - (iii) student evaluation and testing;
 - (iv) course development;
 - (v) lesson planning; and
 - (vi) classroom training techniques;
 - (c) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that ground training for a basic ground instructor license includes the aeronautical knowledge areas applicable to a private pilot;
 - (d) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that ground training for an advanced ground instructor rating includes the aeronautical knowledge areas applicable to a private, commercial, and airline transport pilot;
 - (e) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that ground training for an instrument ground instructor rating includes the aeronautical knowledge areas applicable to an instrument rating; and
 - (f) an aviation training organization with level 1 flight training specifications may credit a student who satisfactorily completed 2 years of study on the principles of education at a college or university with 10 hours of the training required in paragraph (a)(i);

(3) Stage checks and end-of-course tests:

Each student, to graduate from a ground instructor course shall satisfactorily accomplish the stage checks and end-of-course tests, consisting of the applicable knowledge areas of paragraph (2).

Regulation 28(1)(a)(viii): Additional Aircraft Category or Class Rating Course

The following curriculum meets the minimum curriculum standard for an additional aircraft category rating course or an additional aircraft class rating course:

(1) Ratings:

- (a) aeroplane single-engine;
- (b) aeroplane multiengine;
- (c) rotorcraft helicopter;
- (d) rotorcraft gyroplane;
- (e) powered-lift;
- (f) glider;
- (g) lighter-than-air airship; and
- (h) lighter-than-air balloon.

(2) Eligibility for enrolment. A person shall hold the level of pilot license for the additional aircraft category and class rating for which the course applies prior to enrolling in the flight portion of an additional aircraft category or additional aircraft class rating course.

(3) Aeronautical knowledge training. Each applicant for, and holder of, an Aviation Training Organization certificate with Level 1 Flight Training Specifications shall ensure that each course for an additional category rating and additional class rating includes the total number of hours of training in all the aeronautical knowledge areas appropriate to the aircraft rating and pilot license level sought.

(4) Flight training. Each applicant for, and holder of, an Aviation Training Organization certificate with Level 1 Flight Training Specifications shall ensure that each course for an additional aircraft category rating or additional aircraft class includes the total number of hours of flight training on all of the areas of operation of this paragraph appropriate to the aircraft rating and pilot license level for which the course applies.

(5) Stage checks and end-of-course tests:

- (a) each student, to graduate from an additional aircraft category rating course or an additional aircraft class rating course shall satisfactorily accomplish the stage checks and end-of-course tests, consisting of the applicable areas of operation in paragraph (4);
- (b) each student shall demonstrate satisfactory proficiency prior to being endorsed to operate an aircraft in solo flight.

Regulation 28(1)(a)(ix): Aircraft Type Rating Course

The following curriculum meets the minimum Level 1 Aviation Training Organization curriculum standard for an aircraft type rating course for:

(1) Ratings.

- (a) a type rating in an aeroplane category: single-engine class;
- (b) a type rating in an aeroplane category: multiengine class;
- (c) a type rating in a rotorcraft category: helicopter class;
- (d) a type rating in a powered-lift category; and
- (e) other aircraft type ratings specified by the Authority through the aircraft type certificate procedures.

- (2) Eligibility for enrollment:
- (a) prior to enrolling in the flight portion of an aircraft type rating course, a person shall hold at least a private pilot license;
 - (b) an instrument rating in the category and class of aircraft that is appropriate to the aircraft type rating for which the course applies, provided the aircraft's type certificate does not have a visual flight rules limitation; or
 - (c) be concurrently enrolled in an instrument rating course in an aircraft of the type rating sought, and pass the required instrument rating practical test concurrently with the type rating practical test.
- (3) Aeronautical knowledge training:
- (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least 10 hours of ground training on the applicable aeronautical knowledge areas listed in paragraph (b);
 - (b) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that ground training includes the following aeronautical areas:
 - (i) subjects requiring a practical knowledge of the aircraft type and its powerplant, systems, components, operational, and performance factors;
 - (ii) the aircraft's normal, abnormal, and emergency procedures, and the operations and limitations relating thereto;
 - (iii) appropriate provisions of the approved aircraft's flight manual;
 - (iv) location of and purpose of inspecting each item on the aircraft's checklist that relate to the exterior and interior preflight; and
 - (v) use of the aircraft's prestart checklist, appropriate control system checks, starting procedures, radio and electronic equipment checks, and the selection of proper navigation and communication radio facilities and frequencies.
- (4) Flight training:
- (a) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each course includes at least—
 - (i) flight training on the applicable areas of operation of paragraph (b) in the aircraft type for which the course applies; and
 - (ii) at least 5 hours shall be instrument training in the aircraft for which the course applies;
 - (b) each applicant for, and holder of, an aviation training organization with level 1 flight training specifications certificate shall ensure that each type rating course includes the flight training on the following areas of operation:
 - (i) preflight preparation;
 - (ii) preflight procedures;
 - (iii) takeoff and departure phase;
 - (iv) in-flight manoeuvres;
 - (v) instrument procedures;
 - (vi) landings and approaches to landings;
 - (vii) normal and abnormal procedures;
 - (viii) emergency procedures; and
 - (ix) postflight procedures.
- (5) Stage checks and end-of-course tests: Each student, to graduate from an aircraft type rating course shall satisfactorily accomplish the stage checks and end-of-course tests, consisting of the applicable areas of operation for the Airline Transport Pilot License.

Regulation 28(1)(a)(x): Flight Engineer Course

- (1) Each flight engineer training course holder shall comply with the following:
- (a) training course outline:
- (i) format: An applicant shall prepare separate course outlines for each type of aeroplane;
 - (ii) ground course outline;
 - (iii) the Authority will accept any arrangement of subjects if all the subject material listed here is included and at least the minimum programmed hours are assigned to each subject;
 - (iv) if any flight engineer training course holder desires to include additional subjects in the ground course curriculum, the hours allotted these additional subjects may not be included in the minimum programmed classroom hours;
 - (v) all subjects, except theory of flight and aerodynamics and regulations, shall apply to the same type of aeroplane in which the flight engineer training course holder presents training;

Subject Area	Classroom Hours
Civil Aviation Regulations	10
Theory of Flight and Aerodynamics	10
Aeroplane Familiarisation, to include, as applicable:	90
Specifications Construction features Flight controls Hydraulic systems Pneumatic systems Electrical systems Anti-icing and de-icing systems Pressurisation and air-conditioning systems Vacuum systems Pilot static systems Instrument systems Fuel and oil systems Emergency equipment	
Engine Familiarisation, to include, as applicable:	45
Specifications Construction features Lubrication Ignition Fuel systems Accessories Propellers Instrumentation Emergency equipment	

Subject Area		Classroom Hours
Normal Operations (Ground and Flight), to include, as appropriate	Servicing methods and procedures Operation of all the aeroplane systems Operation of all the engine systems Loading and centre of gravity computations Cruise control (normal, long range, maximum endurance) Power and fuel computation Meteorology as applicable to engine operation	50
Emergency Operations, to include	Landing gear, brakes, flaps, speed brakes, and leading edge devices Pressurisation and air-conditioning Portable fire extinguishers Fuselage fire and smoke control Loss of electrical power Engine fire control Engine shut-down and restart Oxygen	80
Total (exclusive of final tests)		285

(b) flight course outline:

- (i) the flight training curriculum shall include at least 10 hours of flight instruction in an aeroplane. A student may not credit the flight time required for the practical test as part of the required flight instruction;
- (ii) the flight engineer training course holder shall present all of the flight training in the same type aircraft;
- (iii) as appropriate to the aircraft type, the flight engineer training course holder shall teach the following subjects in the flight training course:

SUBJECT AREA	
Normal Duties, Procedures and Operations	To include as appropriate— Aeroplane preflight. Engine starting, power checks, pretakeoff, postlanding and shut-down procedures. Power control. Temperature control. Engine operation analysis. Operation of all systems. Fuel management. Logbook entries. Pressurisation and air conditioning.

SUBJECT AREA	
Recognition And Correction Of In-Flight Malfunctions	Analysis of abnormal engine operation. Analysis of abnormal operation of all systems. Corrective action.
Emergency Operations In Flight	Engine fire control. Fuselage fire control. Smoke control. Loss of power or pressure in each system. Engine overspeed. Fuel dumping. Landing gear, spoilers, speed brakes, and flap extension and retraction. Engine shut-down and restart. Use of oxygen.

(iv) the Authority may allow the school to teach the flight training time in a flight simulator;

(v) to obtain credit for flight training time in a flight simulator, the student shall occupy the flight engineer station and operate the controls.

(2) Revisions: Each flight engineer training course holder shall request revisions of the course outlines, facilities or equipment by following the procedures for original approval of the course.

(3) Ground school credits:

(a) a flight engineer training course holder may grant credit to a student in the ground school course for comparable previous training or experience that the student can show by written evidence;

(b) a flight engineer training course holder shall meet the quality of instruction described in this standard;

(c) before granting credit for previous training or experience, the flight engineer training course holder shall ensure that the student passes a test given by the flight engineer training course holder on the subject for which the credit is to be given;

(d) the flight engineer training course holder shall incorporate results of the test, the basis for credit allowance, and the hours credited as part of the student's records.

(4) Records and reports:

(a) the flight engineer training course holder shall maintain, for at least two years after a student graduates, fails, or drops from a course, a record of the student's training, including a chronological log of the subject course, attendance examinations, and grades;

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- (b) except as provided in paragraph (c), the flight engineer training course holder shall submit to the Authority, not later than January 31 of each year, a report for the previous calendar year's training, to include—
- (i) name, enrolment and graduation date of each student;
 - (ii) ground school hours and grades of each student;
 - (iii) flight and flight simulator hours, and grades of each student; and
 - (iv) names of students failed or dropped, together with their school grades and reasons for dropping;
- (c) upon request, the Authority may waive the reporting requirements of subparagraph (b) of this paragraph for an approved flight engineer course that is part of an approved training course under Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004.
- (5) Quality of instruction:
- (a) the Authority shall revoke approval of a flight engineer training course holder's ground course whenever less than 80 per cent of the students pass the Authority knowledge test on the first attempt;
 - (b) the Authority shall revoke approval of a flight engineer training course holder's flight course whenever less than 80 per cent of the students pass the Authority practical test on the first attempt;
 - (c) notwithstanding paragraphs (a) and (b), the Authority may allow continued approval of a ground or flight course when the Authority finds—
 - (i) that the failure rate was based on less than a representative number of students; or
 - (ii) that the flight engineer training course holder has taken satisfactory means to improve the effectiveness of the training.
- (6) Time limitation: Each student shall apply for the written test and the flight test within 90 days after completing the ground school course.
- (7) Statement of course completion:
- (a) each flight engineer training course holder shall give to each student who successfully completes an approved flight engineer ground school training course, and passes the Authority knowledge test, a statement of successful completion of the course that indicates the date of training, the type of aeroplane on which the ground course training was based, and the number of hours received in the ground school course;
 - (b) each flight engineer training course holder shall give each student who successfully completes an approved flight engineer flight course, and passed the Authority practical test, a statement of successful completion of the flight course that indicates the dates of the training, the type of aeroplane used in the flight course, and the number of hours received in the flight course;
 - (c) a flight engineer training course holder who is approved to conduct both the ground course and the flight course may include both courses in a single statement of course completion if the provisions of paragraphs (a) and (b) of this subsection are included; and
 - (d) the requirements of this paragraph do not apply to a holder of an Air Operator Certificate with an approved training course under Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004, providing the student receives a flight engineer license upon completion of that course.
- (8) Duration: Except for a course operated as part of an approved training course under of Civil Aviation [(No.3) Air Operator Certification and Administration] Regulations, 2004, the approval to operate a flight engineer ground course or flight course terminates 24 months after the last day of the month of issue.

Regulation 28(1)(b): Special Preparation Courses

This following curriculum meets the minimum curriculum standard for the special preparation courses that are listed in regulation 28(1)(b).

- (1) Eligibility for enrolment: Prior to enrolling in the flight portion of a special preparation course, a person shall hold a pilot license, flight instructor certificate, or ground instructor license that is appropriate for the exercise of the operating privileges or authorisations sought.
- (2) General requirements—
 - (a) to be approved, an applicant for a special preparation course shall present to the Authority a proposal that:
 - (i) meets the appropriate requirements of this standard;
 - (ii) prepares the graduate with the necessary skills, competency, and proficiency to exercise safely the privileges of the certificate, rating, or authorisation for which the course is established;
 - (iii) includes ground and flight training on the operating privileges or authorisation sought.
 - (3) Stage check and end-of-course tests: Each person, to graduate from a special preparation course shall satisfactorily accomplish the stage checks and end-of-course tests, consisting of the areas of operation that are appropriate to the operating privileges or authorisation sought, and for which the course applies.
 - (4) Agricultural aircraft operations course: A special preparation course for pilots in agricultural aircraft operations shall include at least the following:
 - (a) 25 hours of training on—
 - (i) agricultural aircraft operations;
 - (ii) safe piloting operating practices and procedures for handling, dispensing, and disposing agricultural and industrial chemicals, including operating in and around congested areas; and
 - (iii) applicable provisions of the Act or Regulations made thereunder;
 - (b) 15 hours of flight training on agricultural aircraft operations.
 - (5) Rotorcraft external-load operations course: A special preparation course for pilots of external-load operations shall include at least the following:
 - (a) 10 hours of training on—
 - (i) rotorcraft external-load operations;
 - (ii) safe piloting operating practices and procedures for external-load operations, including operating in and around congested areas; and
 - (iii) applicable provisions of the Act or Regulations made thereunder;
 - (b) 15 hours of flight training on external-load operations.
 - (6) Test pilot course: Each applicant for, and holder of, a special preparation course for test pilot duties shall include at least the following:
 - (a) aeronautical knowledge training on—
 - (i) performing aircraft maintenance, quality assurance, and certification test flight operations; and
 - (ii) applicable parts of these regulations that pertain to aircraft maintenance, quality assurance, and certification tests;
 - (b) 15 hours of flight training—

- (7) Special operations course:
- (a) a special preparation course for pilots in special operations that are mission-specific for certain aircraft shall include at least the following:
 - (i) aeronautical knowledge training on—
 - (A) performing that special flight operation;
 - (B) safe piloting operating practices and procedures for performing that special flight operation;
 - (C) applicable parts of these regulations that pertain to that special flight operation; and
 - (D) pilot in command duties and responsibilities for performing that special flight operation;
 - (ii) flight training on that special flight operation.
- (8) Pilot refresher course: Each applicant for, and holder of, a special preparation pilot refresher course for a pilot license, aircraft category and class rating, or an instrument rating shall include at least the following:
- (a) 4 hours of aeronautical knowledge training on—
 - (i) the aeronautical knowledge areas that are applicable to the level of pilot license, category rating, class rating, or instrument rating sought;
 - (ii) safe piloting operating practices and procedures; and
 - (iii) applicable provisions of Civil Aviation [(No. 1) General Application and Personnel Licencing and (No. 3) Air Operator Certification and Administration] Regulations, 2004;
 - (b) 6 hours of flight training on the areas of operation that are applicable to the level of pilot license, aircraft category and class rating, or instrument rating, as appropriate, for performing pilot-in-command duties and responsibilities.
- (9) Flight instructor refresher course: Each applicant for, and holder of, a special preparation flight instructor refresher course shall include at least a combined total of 16 hours of aeronautical knowledge training, flight training, or any combination of ground and flight training on the following:
- (a) aeronautical knowledge training on—
 - (i) the aeronautical knowledge areas that apply to student, private, and commercial pilot licenses and instrument ratings;
 - (ii) the aeronautical knowledge areas that apply to flight instructor certificates;
 - (iii) safe piloting operating practices and procedures, including airport operations and operating in the Trinidad and Tobago airspace system; and
 - (iv) applicable provisions of Civil Aviation [(No. 1) General Application and Personnel Licencing and (No. 3) Air Operator Certification and Administration] Regulations, 2004;
 - (b) flight training, to review—
 - (i) the areas of operations applicable to student, private, and commercial pilot licenses and instrument ratings; and
 - (ii) the skills, competency, and proficiency for performing flight instructor duties and responsibilities.

- (10) Ground instructor refresher course: A special preparation ground instructor refresher course shall include at least 16 hours of aeronautical knowledge training on—
- (a) the aeronautical knowledge areas that apply to student, private, and commercial pilots and instrument rated pilots and ground instructors;
 - (b) safe piloting operating practices and procedures, including airport operations and operating in the Trinidad and Tobago airspace system; and
 - (c) applicable provisions of Civil Aviation [(No. 1) General Application and Personnel Licencing and (No. 3) Air Operator Certification and Administration] Regulations, 2004.

Regulation 28(1)(c): Pilot Ground School Course

The following curriculum meets the minimum curriculum standard for a pilot ground school course:

- (1) General requirements: Each applicant for, and holder of, an approved training course for a pilot ground school shall include training on the aeronautical knowledge areas that are—
 - (a) needed to safely exercise the privileges of the certificate, rating, or Authority for which the course is established; and
 - (b) conducted to develop competency, proficiency, resourcefulness, self-confidence, and self-reliance in each student.
- (3) Aeronautical knowledge training requirements: Each applicant for, and holder of, an approved pilot ground school course shall include—
 - (a) the aeronautical knowledge training that is appropriate to the aircraft rating and pilot license level for which the course applies; and
 - (b) an adequate number of total aeronautical knowledge training hours appropriate to the aircraft rating and pilot license level for which the course applies.
- (4) Stage checks and end-of-course tests: Each person, to graduate from a pilot ground school course shall satisfactorily accomplish the stage checks and end-of-course tests, consisting of the areas of operation that are appropriate to the operating privileges or authorisation that graduation from the course will permit.

Regulation 33(2) Level 2 Aviation Training Organization Instructor Training and Testing requirements

- (1) Prior to initial designation, each flight and simulator flight instructor shall complete the following requirements:
 - (a) complete at least 8 hours of ground training on the following subject matter:
 - (i) instruction methods and techniques;
 - (ii) training policies and procedures;
 - (iii) the fundamental principles of the learning process;
 - (iv) instructor duties, privileges, responsibilities, and limitations;

- (v) proper operation of simulation controls and systems;
 - (vi) proper operation of environmental control and warning or caution panels;
 - (vii) limitations of simulation;
 - (viii) minimum equipment requirements for each curriculum;
 - (ix) revisions to the training courses; and
 - (x) cockpit resource management and crew co-ordination;
- (b) satisfactorily complete a knowledge test—
- (i) on the subjects specified in paragraph (a); and
 - (ii) that is accepted by the Authority as being of equivalent difficulty, complexity, and scope as the tests provided by the Authority for the flight instructor aeroplane and instrument flight instructor knowledge tests.

(2) Each certificate holder shall ensure that each instructor who instructs in a flight simulator that the Authority has approved for all training and all testing for the airline transport pilot licensing test, aircraft type rating test, or both, has met at least one of the following requirements:

- (a) each instructor shall have performed 2 hours in flight, including three takeoffs and three landings as the sole manipulator of the controls of an aircraft of the same category and class, and, if a type rating is required, of the same type replicated by the approved flight simulator in which that instructor is designated to instruct;
- (b) each instructor shall have participated in an approved line-observation programme as specified in Civil Aviation [(No. 2) Operations] Regulations, 2004 and that—
 - (i) was accomplished in the same aeroplane type as the aeroplane represented by the flight simulator in which that instructor is designated to instruct; and
 - (ii) included line-oriented flight training of at least 1 hour of flight during which the instructor was the sole manipulator of the controls in a flight simulator that replicated the same type aircraft for which that instructor is designated to instruct.

Regulation 36(2) Aviation Training Organization with Level 1 Flight Training Specification Chief Flight Instructor Qualification

(1) Each Aviation Training Organization shall designate a supervisory instructor for a flight training course who shall meet one or more of the following requirements, as applicable:

- (a) hold a commercial pilot license or an airline transport pilot license, and, except for a chief instructor for a training course solely for a lighter-than-air rating, a current flight instructor license with appropriate aircraft category, class, and instrument ratings for the category and class of aircraft used in the course;
- (b) meet the pilot in command recent flight experience requirements of Civil Aviation [(No. 2) Operations] Regulation, 2004 as applicable;

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- (c) pass a knowledge test on—
- (i) teaching methods;
 - (ii) applicable provisions of Authority provided aeronautical information publications;
 - (iii) applicable provisions of Civil Aviation [(No. 1) General Application and Personnel Licensing], Regulations 2004, Civil Aviation [(No. 2) Operations] Regulations, 2004 and Civil Aviation [(No. 9) Aviation Training Organization] Regulations, 2004; and
 - (iv) the objectives and approved course completion standards of the course for which the person seeks to obtain designation; and
- (d) pass a proficiency test on instructional skills and ability to train students on the flight procedures and manoeuvres appropriate to the course.
- (2) Except for a training course for gliders, balloons, or airships, the chief instructor shall meet the applicable requirements in paragraphs (3), (4), and (5).
- (3) For a training course for a private pilot license or rating, a chief instructor shall have—
- (a) at least 1,000 hours as pilot in command; and
 - (b) primary flight training experience as a licensed flight instructor or an instructor in a military pilot flight training programme, or a combination thereof, consisting of at least 2 years and a total of 500 flight hours.
- (4) For a training course for an instrument rating or a rating with instrument privileges, a chief instructor shall have—
- (a) at least 100 hours of flight time under actual or simulated instrument conditions;
 - (b) at least 1,000 hours as pilot in command and
 - (c) instrument flight instructor experience as a licensed flight instructor-instrument or an instructor in a military pilot flight training programme, or a combination thereof, consisting of at least—
 - (i) 2 years and a total of 250 flight hours; or
 - (ii) 400 flight hours of instrument flight instruction.
- (5) For a training course for other than a private pilot license or rating, or an instrument rating or a rating with instrument privileges, a chief instructor shall have—
- (a) at least 2,000 hours as pilot in command; and
 - (b) flight training experience as a licensed flight instructor or an instructor in a military pilot flight training programme, or a combination thereof, consisting of at least 3 years and a total of 1,000 flight hours.
- (6) A chief instructor for a training course for gliders or balloons is required to have only 40 per cent of the hours required in paragraphs (3) and (5).
- (7) A chief instructor for a training course for airships is required to have only 40 percent of the hours required in paragraphs (3), (4), and (5).
- (8) To be eligible as chief instructor for a ground school course, a person shall have one year of experience as a ground school instructor at a certified Level 1 Aviation Training Organization.

Regulation 36(2) Aviation Training Organization with Level 1 Flight Training Specification—Assistant Chief Flight Instructor Qualification

(1) To be eligible for designation as an assistant chief instructor, a person shall meet the following requirements:

- (a) hold a commercial pilot or an airline transport pilot license and, except for the assistant chief instructor for a training course for a lighter-than-air rating, a current flight instructor license with appropriate aircraft category, class, and instrument ratings for the category and class of aircraft used in the course;
- (b) meet the pilot in command recent flight experience requirements of Civil Aviation [(No. 2) Operations] Regulation, 2004, as applicable;
- (c) pass a knowledge test on—
 - (i) teaching methods;
 - (ii) applicable provisions of the Trinidad and Tobago-provided aeronautical information publications;
 - (iii) applicable provisions of Civil Aviation [(No. 1) General Application and Personnel Licensing], Regulations 2004, Civil Aviation [(No. 2) Operations] Regulations, 2004 and Civil Aviation [(No. 9) Aviation Training Organization] Regulations, 2004; and
 - (iv) the objectives and approved course completion standards of the course for which the person seeks to obtain designation;
- (d) pass a proficiency test on the flight procedures and manoeuvres appropriate to that course;
- (e) meet the applicable requirements in paragraphs (2), (3), and (4), except that an assistant chief instructor for a training course for gliders, balloons, or airships is required to have only 40 per cent of the hours required in paragraphs (2) and (3).

(2) For a training course for a private pilot license or rating, an assistant chief instructor shall have—

- (a) at least 500 hours as pilot in command; and
- (b) flight training experience as a licensed flight instructor or an instructor in a military pilot flight training programme, or a combination thereof, consisting of at least 1 year and a total of 250 flight hours.

(3) For a training course for an instrument rating or a rating with instrument privileges, an assistant chief flight instructor shall have—

- (a) at least 50 hours of flight time under actual or simulated instrument conditions;
- (b) at least 500 hours as pilot in command; and
- (c) instrument flight instructor experience as a licensed flight instructor-instrument or an instructor in a military pilot flight training programme, or a combination thereof, consisting of at least 1 year and a total of 125 flight hours.

(4) For a training course other than for a private pilot license or rating, or an instrument rating or a rating with instrument privileges, an assistant chief instructor shall have—

- (a) at least 1,000 hours as pilot in command; and
- (b) flight training experience as a licensed flight instructor or an instructor in a military pilot flight training programme, or a combination thereof, consisting of at least 1½ years and a total of 500 flight hours.

(5) To be eligible for designation as an assistant chief instructor for a ground school course, a person shall have 6 months of experience as a ground school instructor at a certified Level 1 Aviation Training Organization.

Regulation 38(2) Aviation Training Organization with Level 1 Flight Training Specification—Check Instructor Qualifications

(1) To be designated as a check instructor for conducting student stage checks, end-of-course tests, and instructor proficiency checks under this Part, a person shall meet the following requirements, as applicable:

- (a) pass a test, given by the chief instructor, on;
 - (i) teaching methods;
 - (ii) applicable provisions of the Trinidad and Tobago-provided aeronautical information publications;
 - (iii) applicable provisions of Civil Aviation [(No. 1) General Application and Personnel Licensing], Regulations 2004, Civil Aviation [(No. 2) Operations] Regulations, 2004 and Civil Aviation [(No. 9) Aviation Training Organization] Regulations, 2004; and
 - (iv) the objectives and course completion standards of the approved training course for the designation sought;
- (b) for flight checks and tests—
 - (i) meet the requirements in paragraph (1)(a);
 - (ii) hold a commercial pilot license or an airline transport pilot license and, except for a check instructor for a training course for a lighter-than-air rating, a current flight instructor license, with appropriate aircraft category, class, and instrument ratings for the category and class of aircraft used in the course;
 - (iii) meet the pilot in command recent flight experience requirements of Civil Aviation [(No. 2) Operations] Regulation, 2004, as applicable; and
 - (iv) pass a proficiency test, given by the chief instructor or assistant chief instructor, on the flight procedures and manoeuvres of the approved training course;
- (c) for checks and tests that relate to ground training—
 - (i) meet the requirements in paragraph (1)(a);
 - (ii) except for a training course for a lighter-than-air rating, hold a current flight instructor license or ground instructor license with ratings appropriate to the category and class of aircraft used in the course; and
 - (iii) for a training course for a lighter-than-air rating, hold a commercial pilot license with a lighter-than-air category rating and the appropriate class rating.

(2) Before functioning as a check instructor, a person who meets the eligibility requirements in paragraph (a) shall—

- (a) be designated in writing by the chief instructor to conduct student stage checks, end-of-course tests, and instructor proficiency checks; and
- (b) be approved by the Authority.

(3) A check instructor may not conduct a stage check or an end-of-course test of any student for whom the check instructor has—

- (a) served as the principal instructor; or
- (b) recommended for a stage check or end-of-course test.

Regulation 42(2) Transfer Privileges

(1) An Aviation Training Organization with Level 1 Flight Training Specifications receiving a student from another Level 1 Aviation Training Organization may credit that pilot's previous experience towards the curriculum requirements of a course subject to the following conditions:

- (a) if the credit is based upon regulation 42 or regulation 53, the gaining aviation training organization may credit that student not more than 50 per cent of the curriculum requirements;
- (b) if the credit is not based upon regulation 42 or regulation 53, the gaining aviation training organization may credit that student not more than 25 per cent of the curriculum requirements.

Note: The receiving Aviation Training Organization shall determine the amount of course credit to be credited under paragraph (a) or paragraph (b), based on a proficiency test or knowledge test, or both, of the student.

(2) The receiving Aviation Training Organization may grant credit for training specified in paragraph (1)(a) or paragraph (1)(b) only if the previous provider of the training has certified the kind and amount of training provided, and the result of each stage check and end-of-course test, if applicable, given to the student.

(3) An AMT training course holder may evaluate and grant credit for an entrant's previous training provided—

- (a) the AMT training course holder determines that the training is verifiable and comparable to portions of the training programme; and
- (b) the individual requesting credit passes an examination given by the AMT training course holder, which is equivalent to those examinations given by the AMT training course holder for the same subject in the training programme.

Regulation 45 Training Course: Contents

(1) Each applicant for, and holder of, an Aviation Training Organization certificate with Level 1 Flight Training Specifications shall ensure that each training course contains—

- (a) a description of each flight simulator or flight training device used for training;
- (b) a listing of the airports at which training flights originate and a description of the facilities, including pilot briefing areas that are available for use by the school's students and personnel at each of those airports;
- (c) a description of the type of aircraft including any special equipment used for each phase of training;
- (d) the minimum qualifications and ratings for each instructor assigned to ground or flight training; and
- (e) a training syllabus that includes—
 - (i) the prerequisites for enrolling in the ground and flight portion of the course that include the pilot license and rating (if required by this part), training, pilot experience, and pilot knowledge;
 - (ii) a detailed description of each lesson, including the lesson's objectives, standards, and planned time for completion;
 - (iii) course learning objectives;

- (iv) stage learning objectives and standards; and
 - (v) a description of the checks and tests to be used to measure learning after each stage of training.
- (2) An Aviation Training Organization with Level 2 Specifications may—
- (a) include training in a flight simulator or flight training device, provided it is representative of the aircraft for which the course is approved, meets the requirements of this paragraph, and the training is given by an authorised instructor; and
 - (b) permit a student to credit training in a flight simulator that meets the requirements of regulation 30 for a maximum of 25 percent of the total flight training hour requirements of the approved course.

Regulation 50(4) AMT Airframe and/or Powerplant Rating

CURRICULUM REQUIREMENTS

This standard defines terms used in Sections A, B, and C of this part, and describes the levels of proficiency at which items under each subject in each curriculum must be taught, as outlined in Sections A, B, and C.

- (1) Definitions. As used in Sections A, B, and C:
- (a) “inspect” means to examine by sight and touch;
 - (b) “check” means to verify proper operation;
 - (c) “troubleshoot” means to analyse and identify malfunctions;
 - (d) “service” means to perform functions that assure continued operation;
 - (e) “repair” means to correct a defective condition. Repair of an airframe or powerplant system includes component replacement and adjustment, but not component repair; and
 - (f) “overhaul” means to disassemble, inspect, repair as necessary, and check.
- (2) Teaching levels.
- (a) level 1 requires—
 - (i) knowledge of general principles, but no practical application;
 - (ii) no development of manipulative skill; and
 - (iii) instruction by lecture, demonstration, and discussion;
 - (b) level 2 requires—
 - (i) knowledge of general principles, and limited practical application;
 - (ii) development of sufficient manipulative skill to perform basic operations; and
 - (iii) instruction by lecture, demonstration, discussion, and limited practical application;
 - (c) level 3 requires—
 - (i) knowledge of general principles, and performance of a high degree of practical application;
 - (ii) development of sufficient manipulative skills to simulate return to service; and

(iii) instruction by lecture, demonstration, discussion, and a high degree of practical application.

- (3) Teaching materials and equipment. The curriculum may be presented utilising currently accepted educational materials and equipment, including, but not limited to: Civil Aviation Training Organizations, computers, and audio-visual equipment.

SECTION A—GENERAL CURRICULUM SUBJECTS

This section list the subjects required for at least 400 hours of general curriculum subjects. The number in parentheses before each item listed under each subject heading indicates the level of proficiency at which that item shall be taught.

TEACHING
LEVEL

A. BASIC ELECTRICITY

- (2) 1. Calculate and measure capacitance and inductance.
- (2) 2. Calculate and measure electrical power.
- (3) 3. Measure voltage, current, resistance, and continuity.
- (3) 4. Determine the relationship of voltage, current, and resistance in electrical circuits.
- (3) 5. Read and interpret aircraft electrical circuit diagrams, including solid state devices and logic functions.
- (3) 6. Inspect and service batteries.

B. AIRCRAFT DRAWINGS

- (2) 7. Use aircraft drawings, symbols, and system schematics.
- (3) 8. Draw sketches of repairs and alterations.
- (3) 9. Use blueprint information.
- (3) 10. Use graphs and charts.

C. WEIGHT AND BALANCE

- (2) 11. Weigh aircraft.
- (3) 12. Perform complete weight and balance check and record data.

D. FLUID LINES AND FITTINGS

- (3) 13. Fabricate and install rigid and flexible fluid lines and fittings.

E. MATERIALS AND PROCESSES

- (1) 14. Identify and select appropriate nondestructive testing methods.
- (2) 15. Perform dye penetrate, eddy current, ultrasonic, and magnetic particle inspections.
- (1) 16. Perform basic heat treating processes.
- (3) 17. Identify and select aircraft hardware and materials.
- (3) 18. Inspect and check welds.
- (3) 19. Perform precision measurements.

F. GROUND OPERATION AND SERVICING

- (2) 20. Start, ground operate, move, service, and secure aircraft and identify typical ground operation hazards.
- (2) 21. Identify and select fuels.

TEACHING
LEVEL

A. BASIC ELECTRICITY

G. CLEANING AND CORROSION CONTROL

- (3) 22. Identify and select cleaning materials.
- (3) 23. Inspect, identify, remove, and treat aircraft corrosion and perform aircraft cleaning.

H. MATHEMATICS

- (3) 24. Extract roots and raise numbers to a given power.
- (3) 25. Determine areas and volumes of various geometric shapes.
- (3) 26. Solve ratio, proportion, and percentage problems.
- (3) 27. Perform algebraic operations involving addition, subtraction, multiplication, and division of positive and negative numbers.

I. MAINTENANCE FORMS AND RECORDS

- (3) 28. Write descriptions of work performed including aircraft discrepancies and corrective actions using typical aircraft maintenance records.
- (3) 29. Complete required maintenance forms, records, and inspection reports.

J. BASIC PHYSICS

- (2) 30. Use and understand the principles of simple machines; sound, fluid, and heat dynamics; basic aerodynamics; aircraft structures; and theory of flight.

K. MAINTENANCE PUBLICATIONS

- (3) 31. Demonstrate ability to read, comprehend, and apply information contained in CAA and manufacturers aircraft maintenance specifications, data sheets, manuals, publications, and related Model Civil Aviation Regulations (MCARs) Airworthiness Directives, and Model Advisory Material.
- (3) 32. Read technical data.

L. MECHANIC PRIVILEGES AND LIMITATIONS

- (3) 33. Exercise mechanic privileges within the limitations prescribed by Part 2 of the MCARs.

SECTION B—AIRFRAME CURRICULUM SUBJECTS

This section list the subjects required in at least 750 hours of each airframe curriculum, in addition to at least 400 hours in general curriculum subjects. The number in parentheses before each item listed under each subject heading indicates the level of proficiency at which that item must be taught.

I. AIRFRAME STRUCTURES

TEACHING
LEVEL

A. WOOD STRUCTURES

- (1) 1. Service and repair wood structures.
- (1) 2. Identify wood defects.
- (1) 3. Inspect wood structures.

TEACHING
LEVEL

B. AIRCRAFT COVERING

- (1) 4. Select and apply fabric and fiberglass covering materials.
- (1) 5. Inspect, test, and repair fabric and fiberglass.

C. AIRCRAFT FINISHES

- (1) 6. Apply trim, letters, and touchup paint.
- (2) 7. Identify and select aircraft finishing materials.
- (2) 8. Apply finishing materials.
- (2) 9. Inspect finishes and identify defects.

D. SHEET METAL AND NONMETALLIC STRUCTURES

- (2) 10. Select, install, and remove special fasteners for metallic, bonded, and composite structures.
- (2) 11. Inspect bonded structures.
- (2) 12. Inspect, test and repair fiberglass, plastics, honeycomb, composite, and laminated primary and secondary structures.
- (2) 13. Inspect, check, service, and repair windows, doors, and interior furnishings.
- (3) 14. Inspect and repair sheet metal structures.
- (3) 15. Install conventional rivets.
- (3) 16. Form, layout, and bend sheet metal.

E. WELDING

- (1) 17. Weld magnesium and titanium.
- (1) 18. Solder stainless steel.
- (1) 19. Fabricate tubular structures.
- (2) 20. Solder, braze, gas weld, and arc weld steel.
- (1) 21. Weld aluminum and stainless steel.

F. ASSEMBLY AND RIGGING

- (1) 22. Rig rotary wing aircraft.
- (2) 23. Rig fixed wing aircraft.
- (2) 24. Check alignment of structures.
- (3) 25. Assemble aircraft components, including flight control surfaces.
- (3) 26. Balance, rig, and inspect moveable primary and secondary flight control surfaces.
- (3) 27. Jack aircraft.

G. AIRFRAME INSPECTION

- (3) 28. Perform airframe conformity and airworthiness inspections.

II. AIRFRAME SYSTEMS AND COMPONENTS

A. AIRCRAFT LANDING GEAR SYSTEMS

- (3) 29. Inspect, check, service, and repair landing gear, retraction systems, shock struts, brakes, wheels, tires, and steering systems.

TEACHING
LEVEL

B. HYDRAULIC AND PNEUMATIC POWER SYSTEMS

- (2) 30. Repair hydraulic and pneumatic power systems components.
- (3) 31. Identify and select hydraulic fluids.
- (3) 32. Inspect, check, service, troubleshoot, and repair hydraulic and pneumatic power systems.

C. CABIN ATMOSPHERE CONTROL SYSTEMS

- (1) 33. Inspect, check, troubleshoot, service, and repair heating, cooling, air conditioning, pressurization systems, and air cycle machines.
- (1) 34. Inspect, check, troubleshoot, service, and repair heating, cooling, air conditioning, and pressurization systems.
- (2) 35. Inspect, check, troubleshoot, service and repair oxygen systems.

D. AIRCRAFT INSTRUMENTS SYSTEMS

- (1) 36. Inspect, check, service, troubleshoot, and repair electronic flight instrument systems and both mechanical and electrical heading, speed, altitude, temperature, pressure, and position indicating systems to include the use of built-in test equipment.
- (2) 37. Install instruments and perform a static pressure system leak test.

E. COMMUNICATION AND NAVIGATION SYSTEMS

- (1) 38. Inspect, check, and troubleshoot autopilot, servos, and approach coupling systems.
- (1) 39. Inspect, check, and service aircraft electronic communication and navigation systems, including VHF passenger address interphones and static discharge devices, aircraft VOR, ILS, LORAN, Radar beacon transponders, flight management computers, and GPWS.
- (2) 40. Inspect and repair antenna and electronic equipment installations.

F. AIRCRAFT FUEL SYSTEMS

- (1) 41. Check and service fuel dump systems.
- (1) 42. Perform fuel management transfer, and defuelling.
- (1) 43. Inspect, check, and repair pressure-fuelling systems.
- (2) 44. Repair aircraft fuel system components.
- (2) 45. Inspect and repair fluid quantity indicating systems.
- (2) 46. Troubleshoot, service, and repair fluid pressure and temperature warning systems.
- (3) 47. Inspect, check, service, troubleshoot, and repair aircraft fuel systems.

G. AIRCRAFT ELECTRICAL SYSTEMS

- (2) 48. Repair and inspect aircraft electrical system components; crimp and splice wiring to manufacturers' specifications, and repair pins and sockets of aircraft connectors.
- (3) 49. Install, check, and service airframe electrical wiring, controls, switches, indicators, and protective devices.
- (3) 50A. Inspect, check, troubleshoot, service, and repair alternating and direct current electrical systems.
- (1) 50B. Inspect, check, and troubleshoot constant speed and integrated speed drive generators.

TEACHING LEVEL	H. POSITION AND WARNING SYSTEMS
(2)	51. Inspect, check, and service speed and configuration warning systems, electrical brake controls, and antiskid systems.
(3)	52. Inspect, check, troubleshoot and service landing gear position indicating and warning systems.
	I. ICE AND RAIN CONTROL SYSTEMS
(2)	53. Inspect, check, troubleshoot, service, and repair airframe ice and rain control systems.
	J. FIRE PROTECTION SYSTEMS
(1)	54. Inspect, check, and service smoke and carbon monoxide detection systems.
(3)	55. Inspect, check, service, troubleshoot, and repair aircraft fire detection and extinguishing systems.

SECTION C—POWERPLANT CURRICULUM SUBJECTS

This section list the subjects required in at least 750 hours of each powerplant curriculum, in addition to at least 400 hours in general curriculum subjects.

The number in parentheses before each item listed under each subject heading indicates the level of proficiency at which that item must be taught.

I. POWERPLANT SYSTEMS AND COMPONENTS

TEACHING LEVEL	A. RECIPROCATING ENGINES
(1)	1. Inspect and repair a radial engine.
(2)	2. Overhaul reciprocating engine.
(3)	3. Inspect, check, service, and repair reciprocating engines and engine installations.
(3)	4. Install, troubleshoot, and remove reciprocating engines.
	B. TURBINE ENGINES
(2)	5. Overhaul turbine engine.
(3)	6. Inspect, check, service, and repair turbine engines and turbine engine installations.
(3)	7. Install, troubleshoot, and remove turbine engines.
	C. ENGINE INSPECTION
(3)	8. Perform powerplant conformity and airworthiness inspections.

II. POWERPLANT SYSTEMS AND COMPONENTS

	A. ENGINE INSTRUMENT SYSTEMS
(2)	9. Troubleshoot, service, and repair electrical and mechanical fluid rate-of-flow indicating systems.
(3)	10. Inspect, check, service, troubleshoot, and repair electrical and mechanical engine temperature, pressure, and rpm indicating systems.

TEACHING
LEVEL

B. ENGINE FIRE PROTECTION SYSTEMS

- (3) 11. Inspect, check, service, troubleshoot, and repair engine fire detection and extinguishing systems.

C. ENGINE ELECTRICAL SYSTEMS

- (2) 12. Repair engine electrical system components.
(3) 13. Install, check, and service engine electrical wiring, controls, switches, indicators, and protective devices.

D. LUBRICATION SYSTEMS

- (2) 14. Identify and select lubricants.
(2) 15. Repair engine lubrication system components.
(3) 16. Inspect, check, service, troubleshoot, and repair engine lubrication systems.

E. IGNITION AND STARTING SYSTEMS

- (2) 17. Overhaul magneto and ignition harness.
(2) 18. Inspect, service, troubleshoot, and repair reciprocating and turbine engine ignition systems and components.
(3) 19A. Inspect, service, troubleshoot, and repair turbine engine electrical starting systems.
(1) 19B. Inspect, service, and troubleshoot turbine engine pneumatic starting systems.

F. FUEL METERING SYSTEMS

- (1) 20. Troubleshoot and adjust turbine engine fuel metering systems and electronic engine fuel controls.
(2) 21. Overhaul carburetor.
(2) 22. Repair engine fuel metering system components.
(3) 23. Inspect, check, service, troubleshoot, and repair reciprocating and turbine engine fuel metering systems.

G. ENGINE FUEL SYSTEMS

- (2) 24. Repair engine fuel system components.
(3) 25. Inspect, check, service, troubleshoot, and repair engine fuel systems.

H. INDUCTION AND ENGINE AIRFLOW SYSTEMS

- (2) 26. Inspect, check, troubleshoot, service, and repair engine ice and rain control systems.
(1) 27. Inspect, check, service, troubleshoot and repair heat exchangers, superchargers, and turbine engine airflow and temperature control systems.
(3) 28. Inspect, check, service, and repair carburetor air intake and induction manifolds.

I. ENGINE COOLING SYSTEMS

- (2) 29. Repair engine cooling system components.
(3) 30. Inspect, check, troubleshoot, service, and repair engine cooling systems.

TEACHING

LEVEL

J. ENGINE EXHAUST AND REVERSER SYSTEMS

- (2) 31. Repair engine exhaust system components.
- (3) 32A. Inspect, check, troubleshoot, service, and repair engine exhaust systems.
- (1) 32B. Troubleshoot and repair engine thrust reverser systems and related components.

K. PROPELLERS

- (1) 33. Inspect, check, service, and repair propeller synchronizing and ice control systems.
- (2) 34. Identify and select propeller lubricants.
- (1) 35. Balance propellers.
- (2) 36. Repair propeller control system components.
- (3) 37. Inspect, check, service, and repair fixed pitch, constant speed, and feathering propellers, and propeller governing systems.
- (3) 38. Install, troubleshoot, and remove propellers.
- (3) 39. Repair aluminum alloy propeller blades.

L. UNDUCTED FANS

- (1) 40. Inspect and troubleshoot unducted fan systems and components.

M. AUXILIARY POWER UNIT

- (1) 41. Inspect, check, service, and troubleshoot turbine driven auxiliary power units.

Made by the Authority this 19th day of March, 2004.

R. LUTCHMEDIAL
Civil Aviation Authority

Approved by the Minister of Works and Transport.

F. KHAN
Minister of Works and Transport

Laid in the House of Representatives this day of , 2004.

Clerk of the House

Laid in the Senate this day of , 2004.

Clerk of the Senate