

PART III

AIRCRAFT MAINTENANCE AND INSPECTION

*Applicability of Part III*

24. This Part prescribes the requirements for maintenance and inspection of a Trinidad and Tobago aircraft and its associated aeronautical products.

Applicability  
of Part III

*Persons authorized to Perform Maintenance or Preventive Maintenance*

25. (1) A person shall not perform any task defined as maintenance, preventive maintenance or modification of a Trinidad and Tobago aircraft or its aeronautical products, unless such person is—

Persons  
authorized to  
perform  
maintenance  
or preventive  
maintenance

- (a) a pilot authorized by the Authority, limited to perform preventive maintenance on specified non-commercial Trinidad and Tobago small aircraft owned or operated by such pilot;
- (b) an Aircraft Maintenance Engineer, limited to perform maintenance, preventive maintenance, or modification of an aircraft or aeronautical product for which he holds a licence and;
- (c) performing maintenance, preventive maintenance or modification under the supervision of an Aircraft Maintenance Engineer, authorized to perform such maintenance who—
  - (i) personally observes the work being done to the extent necessary to ensure that it is being done properly; and
  - (ii) is readily available in person for consultation;
- (d) an Approved Maintenance Organization subject to the limitations of his Operations;
- (e) an air operator subject to the limitations of his Operations; or
- (f) a manufacturer holding an Approved Maintenance Organization Certificate issued or accepted by the Authority may—
  - (i) rebuild or modify any aeronautical product manufactured by that manufacturer under a Type Certificate or Production Certificate;

- (ii) rebuild or modify any aeronautical product manufactured by that manufacturer under a Technical Standard Order Authorization, a Parts Manufacturing Approved Standard in respect of material, parts, process or appliance issued by the State of Design; and
- (iii) where applicable, perform any inspection required by the Act or Regulations made thereunder on aircraft it manufactures, while currently operating under a Production Certificate or under a currently approved production inspection system for such aircraft.

(2) A person shall not perform maintenance, preventive maintenance or modification under subregulation (1), unless he has received, where applicable—:

- (a) basic aeronautical knowledge and skill training in the area of maintenance to be undertaken;
- (b) familiarization training on the aeronautical product on which maintenance is to be undertaken;
- (c) training on company maintenance procedures and documentation;
- (d) training on aircraft maintenance practices and procedures;
- (e) training on procedures for introduction into service of new equipment with which the maintenance personnel are not familiar;
- (f) continuing training on topics relevant to the operations; and
- (g) human factors training in the relevant aviation areas.

***Persons Authorized to Perform Inspections***

Persons  
authorized to  
perform  
inspections

26. A person, shall not perform the inspections required by the Act or Regulations made thereunder, for a Trinidad and Tobago aircraft and its aeronautical products prior to or after it has undergone maintenance, preventive maintenance, rebuilding, or modification, unless such person is—

- (a) an Aircraft Maintenance Engineer, who may conduct the required inspection subject to the limitations of his licence;
- (b) an Approved Maintenance Organization, who may conduct the required inspection subject to its Operations Specification;
- (c) a national air operator, who may conduct the required inspection subject to his Operations Specifications; or
- (d) a qualified person approved by the Authority to perform such inspection.

***Persons Authorized to issue Certificate of Release to Service***

27. A person issuing a Certificate of Release to Service specified in regulation 26 shall be—

Restrictions  
on persons  
who can issue  
Certificate of  
Release to  
Service

- (a) a pilot authorized by the Authority to perform limited preventive maintenance in accordance with regulation 25(1)(a) on specified non-commercial Trinidad and Tobago small aircraft owned or operated by such pilot;
- (b) an Aircraft Maintenance Engineer performing, supervising, or inspecting the maintenance of an aeronautical product subject to the limitations of his licence and rating;
- (c) an Aircraft Maintenance Organization subject to the limitations of its Operations Specifications; or
- (d) a national air operator subject to the limitations of his Operations Specifications.

***Maintenance Performance Rules***

28. (1) A person authorized by these Regulations to perform maintenance or preventive maintenance under regulation 25, on an aeronautical product shall use the methods, techniques and practices prescribed in the current maintenance manual or instructions for continued airworthiness of the manufacturer.

Maintenance  
Performance  
Rules

(2) Notwithstanding the methods, techniques and practices specified in the current maintenance manual or instructions for continued airworthiness under subregulation (1), a person conducting maintenance or preventive maintenance shall—

- (a) where an air operator has an approved maintenance control manual which contains the methods, techniques and practices; and
- (b) where the Director General prescribes additional methods, techniques and practices in accordance with approved equivalent engineering and safety standards, comply with such methods, techniques and practices.

(3) A person authorized by these Regulations to perform maintenance or preventive maintenance shall use the tools, equipment, and test apparatus necessary to assure completion of the work in accordance with accepted industry practices.

(4) Where the manufacturer recommends special equipment or test apparatus, the person approved to perform maintenance on such aeronautical product shall use such equipment or apparatus or equivalent equipment or apparatus that is acceptable to the Authority on such aeronautical product.

(5) A person authorized by these Regulations to perform maintenance or preventive maintenance on an aeronautical product which may or may not have been modified shall perform such work in such a manner and use materials of such a quality, that the condition of such aeronautical product upon which such work was performed shall be at least equal to its original or where modified to its modified standard, with regard to aerodynamic function, structural strength, resistance to vibration and deterioration and other qualities affecting airworthiness.

(6) The methods, techniques and practices contained in the Maintenance Control Manual of an air operator and maintenance programme as approved by the Authority will constitute an acceptable means of compliance with this Part.

(7) A person authorized to perform inspection or other maintenance specified in the limitations section of the current maintenance manual of the manufacturer or current instructions for continued airworthiness shall perform such inspection or other maintenance in accordance with that limitations section or in accordance with specifications acceptable to the Authority.

### ***Inspections Performance Rules***

Requirements  
for  
inspections  
performance  
rules

29. (1) Where a person authorized to perform inspections under these Regulations is required by the Act or Regulations made thereunder to perform an inspection on an aeronautical product he shall perform the inspection so as to determine whether the aeronautical product or portion thereof under inspection, meets all applicable airworthiness requirements.

(2) Where an inspection programme is required by the maintenance manual of a manufacturer for a specific aeronautical product being inspected under subregulation (1), the person conducting such inspection shall do so in accordance with the instructions and procedures set forth in the inspection programme.

(3) A person authorized to perform inspections under these Regulations, shall in performing such inspection on a rotorcraft shall conduct such inspections in accordance with the Maintenance Manual or Instructions for Continued Airworthiness of the manufacturer.

### ***Annual and One Hundred-Hour Inspections and Use of Check-list***

Requirement  
for annual  
and one  
hundred hour  
inspections  
and use of a  
check-list

30. (1) A person authorized to perform an annual or one hundred hour inspection under these Regulations shall use a check-list while performing such inspection.

(2) The check-list under subregulation (1), shall include the scope and detail of the required items acceptable to the Authority.

(3) A person authorized to perform inspections under these Regulations, shall before issuing a Certificate of Release to Service in respect of—

- (a) a reciprocating-engine-powered aircraft; or
- (b) a turbine-engine-powered aircraft,

operate the aircraft engine or engines to determine satisfactory performance in accordance with the current recommendations of the aircraft manufacturer after an annual or one hundred-hour inspection.

***Issue of Certificate of Release to Service***

31. (1) Where a person authorized to perform inspections under these Regulations is satisfied that an aeronautical product which has undergone maintenance or preventive maintenance or rebuilding is airworthy or serviceable as required under these regulations, he shall issue a Certificate of Release to Service in respect of such aeronautical product.

Issue of  
Certificate of  
Release to  
Service

(2) The person authorized to perform inspections under the Act, or Regulations made thereunder, who finds that the aircraft is not airworthy, shall not issue a Certificate of Release to Service and shall provide the operator of the aeronautical product with a signed and dated list of such discrepancies.

(3) An aeronautical product under subregulation (2), shall not be issued a Certificate of Release to Service until all discrepancies identified in the listing have been addressed satisfactorily.

***“Certificate of Maintenance Review”***

31A. (1) A person shall not operate a Trinidad and Tobago aircraft in civil aircraft operations unless there is in force a Certificate of Maintenance Review in the form set out in Schedule 3 in respect of such aircraft.

Certificate of  
Maintenance  
Review

(2) A Certificate of Maintenance Review shall be issued in respect of an aircraft where the—

- (a) inspections classified in the Approved Maintenance Programme;
- (b) Airworthiness Directives of the State of Design and State of Manufacture;
- (c) Special Airworthiness Directives issued by the Authority; and
- (d) mandatory and alert service bulletins issued by the manufacturer,

have been accomplished as prescribed for such aircraft.

(3) Where the requirements for the issue of a Certificate of Maintenance Review in subregulation (2) have been satisfied for—

- (a) an aeroplane or helicopter engaged in commercial air transport operations;
- (b) an aeroplane 5,700 kgs and more maximum certified take-off mass; or
- (c) a helicopter 2,730 kgs and more maximum certified take-off mass,

a Certificate of Maintenance Review shall be issued by—

- (i) an operator under an equivalent system of maintenance, approved by the Authority; or
- (ii) an approved maintenance organization designated by the operator.

(4) Where the requirements for the issue of a Certificate of Maintenance Review in subregulation (2) have been satisfied for—

- (a) an aeroplane of less than 5,700 kgs maximum certified take-off mass not engaged in commercial air transport operations; or
- (b) a helicopter of less than 2,730 kgs maximum certified take-off mass, not engaged in commercial air transport operations,

a Certificate of Maintenance Review shall be issued by—

- (i) an operator under an equivalent system of maintenance, approved by the Authority;
- (ii) an approved maintenance organization designated by the operator; or
- (iii) the holder of an Aircraft Maintenance Engineer Licence with an appropriate type rating, designated by the operator of such aeroplane or helicopter.

(5) A Certificate of Maintenance Review shall be valid for a period of six months from the date of issue.

(6) An operator of a Trinidad and Tobago aircraft shall ensure that a valid Certificate of Maintenance Review is carried on board such aircraft during all civil aviation operations.

(7) The requirements of this regulation shall come into effect on—

- (a) 1st July, 2009 for aircraft having more than nineteen passenger seats; and

(b) 1st January, 2010 for aircraft having nineteen passenger seats or less.

(8) An operator may meet the requirements of this regulation at any time before the date specified in subregulation (7).

***Performance Rules, Certificate of Release to Service***

32. A person authorized to perform inspections under these Regulations shall not issue a Certificate of Release to Service for any aeronautical product under regulation 31 unless—

- (a) the appropriate maintenance record entry has been made;
- (b) the repair or modification form has been completed in the manner prescribed by the Authority;
- (c) the maintenance requirements, aircraft operating limitations or flight data contained in the approved Aircraft Flight Manual required to be revised as a result of a repair or modification are appropriately revised;
- (d) he used up to date approved data company procedures as applicable, recommended and calibrated tools and test equipment and an appropriate environment to perform the inspections; and
- (e) the appropriate Release to Service check has been satisfactorily performed.

Required  
Performance  
Rules,  
Certificate of  
Release to  
Service

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