

THE CIVIL AVIATION [(NO. 11) AERIAL WORK]  
REGULATIONS, 2004

***Arrangement of Regulations***

*Regulation*

1. Citation
2. Interpretation and applicability

PART I

AGRICULTURAL AIRCRAFT OPERATIONS

3. Applicability of Part I
4. Requirement to hold an Agricultural Aircraft Operator Certificate
5. Requirements for issue of Agricultural Aircraft Operator Certificate
6. Application for Agricultural Aircraft Operator Certificate
7. General certification requirements for Agricultural Aircraft Operator Certificate
8. Duration of Agricultural Aircraft Operator Certificate
9. Amendment of Agricultural Aircraft Operator Certificate
10. Requirement to carry Agricultural Aircraft Operator Certificate
11. General Operating Rules
12. Prohibition on dispensing of material or substance from aircraft
13. Restriction on dispensing of economic poison
14. Qualification of personnel of holder of an Agricultural Aircraft Operator Certificate
15. Operations in controlled airspace designated for an airport or under Visual Flight Rules
16. General requirements for operations over congested areas
17. Pilot and aircraft operation requirements over congested areas
18. Jettisoning of agricultural material
19. Records and reports
20. Change of address of the holder of an Agricultural Aircraft Operator Certificate

PART II

HELICOPTER EXTERNAL-LOAD

21. Applicability of Part II
22. Rotorcraft External-Load Operator Certificate required
23. Application for issue or renewal of Rotorcraft External-Load Operator Certificate

24. Personnel requirements for a Rotorcraft External-Load Operator Certificate
25. Issuance of a Rotorcraft External-Load Operator Certificate
26. Requirements for use of Rotorcraft
27. Duration of Rotorcraft External-Load Operator Certificate
28. Amendment of Rotorcraft External-Load Operator Certificate
29. Rotorcraft External-Load Operator Certificate to be kept or returned
30. Rotorcraft Operating Rules
31. Restrictions on the carriage of persons by the holder of a Rotorcraft External-Load Operator Certificate
32. Crew member training, currency, and testing requirements for the holder of a Rotorcraft External-Load Operator Certificate
33. Flight characteristics requirements
34. Approvals based on structures and design of external-load attaching means
35. Operating Limitations for the holder of a Rotorcraft External-Load Operator Certificate
36. Requirement for a Rotorcraft-Load Combination Flight Manual
37. Requirements for markings and placards
38. Holder of a Rotorcraft External-Load Operator Certificate to have an Airworthiness Certificate

### PART III

#### GLIDER TOWING

39. Applicability of Part III
40. Tow pilot to have Private Pilot Licence with a category rating
41. Aircraft requirements for towing
42. Experience and training requirements for tow pilot

### PART IV

#### BANNER TOWING

43. Applicability of Part IV
44. Requirement for Banner Towing Certificate or authorization
45. Aircraft requirements for banner towing
46. Experience and training requirements for conduct of banner tow operations
47. Operating rules for banner tow operations

PART V

TELEVISION AND MOVIE OPERATIONS

48. Applicability of Part V
49. Requirement for Aerial Television and Movie Certificate or authorization
50. Aircraft requirements for Aerial Television and Movie Certificate or authorization
51. Experience and training requirements for Aerial Television and Movie Certificate or authorization
52. Waiver requirements
53. Contents of a Motion Picture and Television Flight Operations Manual

PART VI

SIGHTSEEING FLIGHTS

54. Applicability of Part VI
55. Requirements for Sightseeing Flight Certificate or authorization
56. Experience and training requirements for Sightseeing Flight Certificate or authorization
57. Operating rules for Sightseeing Flight Certificate or authorization

PART VII

FISH SPOTTING

58. Applicability of Part VII
59. Requirements for Fish Spotting Certificate or authorization
60. Operating rules for Fish Spotting Certificate or authorization

PART VIII

TRAFFIC REPORTING

61. Applicability of Part VIII
62. Requirements for Vehicular Traffic Reporting Certificate or authorization
63. Commencement
64. Director General to amend Schedules

SCHEDULE 1

SCHEDULE 2

LEGAL NOTICE NO. 110

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. 11) AERIAL WORK]  
REGULATIONS, 2004

1. These Regulations may be cited as the Civil Aviation [(No. 11) Citation  
Aerial Work] Regulations, 2004.

2. (1) In these Regulations—

“aerial work” means operations in an aircraft used for  
specialized services such as agriculture, section  
photography, surveying, observation and patrol, search  
and rescue, aerial advertisement;

Interpreta-  
tion and  
applicability

“aerobatic flight” means an intentional manoeuvre of an  
aircraft involving an abrupt change in the attitude of an  
aircraft, an abnormal attitude, or abnormal acceleration of  
an aircraft, not necessary for normal flight;

“agricultural aircraft operation” means aerial work in an  
aircraft for the purpose of—

(a) dispensing any economic poison;

(b) dispensing any other substance intended for plant  
nourishment, soil treatment, propagation of plant  
life or pest control; or

(c) engaging in dispensing activities directly affecting  
agriculture, horticulture, or forest preservation,  
but not including the dispensing of live insects;

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

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

“banner” means an advertising medium supported by a  
temporary framework attached externally to the aircraft  
and towed behind the aircraft;

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

“economic poison” means a substance or mixture of substances intended for—

- (a) preventing, destroying, repelling, or mitigating any insects, rodents, nematodes, fungi, weeds and other forms of plant or animal life or viruses, which the appropriate agency may declare to be a pest; and
- (b) use as a plant regulator, defoliant or desiccant;

“movie” means any film, video and live broadcast in any format and the preparation and rehearsal for these operations;

“public aircraft” means an aircraft used only for the Trinidad and Tobago Government or owned and operated by a Government of a foreign State, but not conducting commercial operations; and

“rotorcraft load combinations” means configurations for external-loads carried by rotorcraft in the classes set out in Schedule 1.

Schedule 1

## PART I

### AGRICULTURAL AIRCRAFT OPERATIONS

#### ***Applicability of Part I***

Applicability  
of Part I

3. (1) This Part prescribes—

- (a) the manner in which agricultural aircraft operations may be conducted within Trinidad and Tobago; and
- (b) the issue of an Agricultural Aircraft Operator Certificate for those operations.

(2) These Regulations apply to commercial aircraft operation used for specialized services.

(3) A person conducting agricultural aircraft operations under this Part, may, in a public emergency, where necessary, deviate from the operating rules under this Part for relief and welfare activities that are approved by the Authority.

(4) A person who, deviates from operating rule under this Part shall, within ten days after such deviation, submit to the Authority a complete report of the aircraft operation involved, including a description and the reasons for the deviation.

***Agricultural Aircraft Operator Certificate***

4. (1) Except as provided in subregulation (3) a person shall not conduct agricultural aircraft operations without an Agricultural Aircraft Operator Certificate issued by the Authority.

Requirement  
to hold an  
Agricultural  
Aircraft  
Operator  
Certificate

(2) An operator may, where he complies with regulations 3 and 5 through 21, conduct agricultural aircraft operations with a rotorcraft with external dispensing equipment without a Rotorcraft External-Load Operator Certificate required by regulation 23.

(3) A person holding a Rotorcraft External-Load Operator Certificate under these Regulations may conduct an agricultural aircraft operation, involving the dispensing of water on forest fires by rotorcraft external-load means.

***Agricultural Aircraft Operator Certificate Requirements***

5. (1) An applicant for an Agricultural Aircraft Operator Certificate shall hold either a current—

Requirements  
for issue of  
Agricultural  
Aircraft  
Operator  
Certificate

- (a) Private Pilot Licence;
- (b) Commercial Pilot Licence; or
- (c) Airline Transport Pilot Licence,

issued by the Authority, and be properly rated for the aircraft to be used in the operation.

(2) An applicant under subregulation (1), shall satisfactorily demonstrate to the Authority—

- (a) that he meets the following knowledge requirements:
  - (i) the steps to be taken before starting operations, including a survey of the area to be worked;
  - (ii) the safe handling of economic poisons and the proper disposal of used containers for those poisons;
  - (iii) the general effects of economic poisons and agricultural chemicals on plants, animals, and persons, and the precautions to be observed in using economic poisons and chemicals;
  - (iv) the primary symptoms of poisoning of persons from economic poison, the appropriate emergency measures to be taken, and the location of poison control centers;
  - (v) the performance capabilities and operating limitations of the aircraft to be used; and
  - (vi) the safe flight and application procedures; and

- (b) through a skill test that he can successfully perform the following manoeuvres, demonstrated at the aircraft's maximum certified take-off weight, or the maximum weight established for the special purpose load, whichever is greater:
- (i) short-field and soft-field takeoffs in respect of aeroplanes and gyroplanes;
  - (ii) approaches to the working area;
  - (iii) flare-outs;
  - (iv) swath runs;
  - (v) pull-ups and turnarounds; and
  - (vi) rapid deceleration in helicopters only.

#### ***Application for Agricultural Aircraft Operator Certificate***

Application  
for  
Agricultural  
Aircraft  
Operator  
Certificate

6. A person wishing to apply for an Agricultural Aircraft Operators Certificate under this Part shall—
- (a) apply to the Authority in the prescribed form; and
  - (b) pay the prescribed fees.

#### ***Certification Requirements***

General  
certification  
requirements  
for  
Agricultural  
Aircraft  
Operator  
Certificate

7. (1) Except as provided under subregulation (2), where the Director General is satisfied that an applicant for an Agricultural Aircraft Operator Certificate meets the requirements of this Part he may recommend the Authority issue an Agricultural Aircraft Operator Certificate.

(2) An applicant who applies for an Agricultural Aircraft Operator Certificate containing a prohibition against the dispensing of economic poisons shall be exempted from the requirement to demonstrate knowledge specific to economic poisons.

(3) An agricultural aircraft operator before conducting operations under these Regulations shall ensure that his aircraft is—

- (a) issued with an Airworthiness Certificate under the Civil Aviation [(No. 5) Airworthiness] Regulations, 2004; and
- (b) equipped for agricultural operation.

#### ***Duration of Agricultural Aircraft Operator Certificate***

Duration of  
Agricultural  
Aircraft  
Operator  
Certificate

8. An Agricultural Aircraft Operator Certificate issued by the Authority shall be valid for a period of twelve months from the date of issue unless otherwise surrendered, suspended, or revoked.

**Amendment to an Agricultural Aircraft Operator Certificate**

9. (1) An Agricultural Aircraft Operator Certificate may be amended—

Amendment  
of  
Agricultural  
Aircraft  
Operator  
Certificate

(a) by the Authority on its own initiative, pursuant to applicable laws and regulations; or

(b) upon the application by a person holding an Agricultural Aircraft Operator Certificate.

(2) An application to amend an Agricultural Aircraft Operator Certificate under subsection (1)(b) shall be—

(a) made in the form and manner prescribed by the Authority;

(b) filed at least fifteen days before the date the amendment is due to become effective unless the Authority specifies otherwise.

(3) The Director General may recommend that the Authority grant a request to amend an Agricultural Aircraft Operator Certificate, where he is satisfied that safety in air commerce and the public interest is secured.

(4) Where an application to amend an Agricultural Aircraft Operator Certificate is refused the applicant may within thirty days thereafter petition the Authority to reconsider its decision.

**Agricultural Aircraft Operator Certificate to be Carried**

10. (1) A person holding an Agricultural Aircraft Operator Certificate shall keep such certificate at the base from which he conducts operation and shall make it available for inspection on the request of the Authority.

Requirement  
to Carry  
Agricultural  
Aircraft  
Operator  
Certificate

(2) A person shall not conduct agricultural aircraft operation in an aircraft unless he has a copy of the Agricultural Aircraft Operator Certificate on board such aircraft.

(3) An Aircraft Registration and an Airworthiness Certificate issued by the Authority may not be carried on board an aircraft that is involved in agricultural aircraft operations where such Registration and Airworthiness Certificates are available for inspection at the base from which operations are conducted.

**General Operating Rules**

11. (1) Except as provided under regulation (3), regulations 12 through 30 prescribe the rules that apply to persons and aircraft used in agricultural aircraft operations conducted under this Part.

General  
Operating  
Rules

(2) A person holding a current Agricultural Aircraft Operator Certificate may deviate from the provisions of the Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004 without a certificate of waiver when conducting operations related to agriculture, horticulture, or forest preservation in accordance with operating rules under this Part.

(3) Operating rules under regulations 9 through 18 apply to a person holding a Rotorcraft External-Load Certificate and conducting agricultural aircraft operations involving only the dispensing of water on forest fires by rotorcraft external-load means.

### ***Dispensing of Material or Substance from Aircraft***

Prohibition on dispensing of material or substance from aircraft

12. A person shall not dispense or cause to be dispensed, any material or substance from an aircraft in any manner that would create a hazard to persons, animals or property on the ground.

### ***Dispensing of Economic Poison***

Restriction on dispensing of economic poison

13. (1) A person shall not dispense or cause to be dispensed, any economic poison unless such economic poison is registered with the Authority.

(2) A person shall not dispense or cause to be dispensed, any economic poison that is registered with the appropriate Agency—

- (a) for a use other than that for which it is registered;
- (b) contrary to any safety instructions or use limitations on its label; or
- (c) in violation of any written law.

(3) Notwithstanding subregulation (1) a person may dispense economic poisons registered or unregistered for experimental purposes under—

- (a) the supervision of an agency in Trinidad and Tobago, authorized by law to conduct research in the field of economic poisons; or
- (b) a permit issued by the Authority.

### ***Qualification of Personnel***

Qualification of personnel of the holder of an Agricultural Aircraft Operator Certificate

14. (1) A person shall not conduct agricultural aircraft operations on an aircraft unless he informs all persons employed by him to conduct such agricultural aircraft operations of their respective duties and responsibilities.

(2) A person shall not supervise an agricultural aircraft operation unless he meets the knowledge and skill requirements under this Part.

(3) A person shall not act as pilot in command of an aircraft involved in agricultural aircraft operations under this Part unless he—

- (a) holds a current certificate and rating prescribed under this Part as appropriate to the type of operation conducted; or
- (b) demonstrates to the satisfaction of the person holding an Agricultural Aircraft Operator Certificate and conducting agricultural aircraft operations, or to a supervisor designated by such person, that he possesses the knowledge and skill requirements under subregulation 5(2).

***Controlled Airspace Designated for an Airport or under Visual Flight Rules***

15. (1) A person shall not conduct agricultural operations on an aircraft—

- (a) within the lateral boundaries of the surface area of Class D airspace designated for an airport except for flights to and from a dispensing area; and
- (b) in weather conditions below Visual Flight Rules minima within the lateral boundaries of a Class E airspace area that extends upward from the surface,

without authorization from the Air Traffic Control facility having jurisdiction over that area.

(2) A person holding an Agricultural Aircraft Operator Certificate may operate an aircraft under special Visual Flight Rules weather minimums without meeting the requirements prescribed in the Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004.

***General Requirements for Operations over Congested Areas***

16. (1) A person may conduct agricultural aircraft operations or cause such operations to be conducted over a congested area at required altitudes if such agricultural aircraft operations are conducted—

- (a) without jeopardizing the safety of persons and property on the surface;
- (b) after a plan for an agricultural aircraft operation is submitted and approved by the Authority; and
- (c) in the manner prescribed by the Authority.

(2) A plan for an agricultural aircraft operation under subregulation (1) (b) shall include—

- (a) obstructions to flight;
- (b) emergency landing capabilities of the aircraft to be used; and
- (c) any necessary co-ordination with Air Traffic Control facilities.

(3) The rules governing agricultural aircraft operations over congested areas in single-engine and multi-engine aircrafts are set out in Schedule 2.

Schedule 2

### ***Pilot and Aircraft Operations over Congested Areas***

Pilot and aircraft operation requirements over congested areas

17. A pilot shall not conduct agricultural aircraft operations over congested areas unless he has at least—

- (a) twenty-five hours of pilot in command flight time in the make and basic model of aircraft, including at least ten hours within the preceding twelve months; and
- (b) one hundred hours of flight experience as a pilot in command dispensing agricultural materials or chemicals.

### ***Jettisoning***

Jettisoning of agricultural material

18. (1) All aircraft except for helicopters, shall be capable of jettisoning at least one-half of the maximum authorized load of agricultural material of the aircraft within forty-five seconds.

(2) Where an aircraft is equipped to release the tank or hopper as a unit, there shall be a means to prevent inadvertent release by the pilot or other crew member.

### ***Records and Reports***

Records and reports

19. (1) A person holding an Agricultural Aircraft Operator Certificate shall maintain and keep current, at the home base where his operations are conducted the following records:

- (a) the name and address of each person for whom agricultural aircraft services were provided;
- (b) the date the services were provided;
- (c) the name and quantity of the material dispensed for each operation conducted; and
- (d) the name, address, and certificate number of each pilot employed in the agricultural aircraft operations and the date that pilot met the knowledge and skill requirements under this Part.

(2) The records requirement under this regulation shall be kept for at least twelve months.

***New Address of Agricultural Aircraft Operator***

20. A person holding an Agricultural Aircraft Operator Certificate shall notify the Authority in writing in advance of any change in the address of the home base where he conducts operations.

Change of  
address of the  
holder of an  
Agricultural  
Aircraft  
Operator  
Certificate

## PART II

## HELICOPTER EXTERNAL-LOAD

***Applicability of Part II***

21. (1) This Part prescribes—

- (a) certification and airworthiness requirements for rotorcraft used in external-load operations; and
- (b) the operating and certification requirements governing the conduct of rotorcraft external-load operations in Trinidad and Tobago.

Applicability  
of Part II

(2) The certification requirements under these Regulations shall not apply to—

- (a) rotorcraft manufacturers when developing external-load attaching means;
- (b) operations conducted by a person demonstrating compliance for the issuance of a certificate or authorization under these Regulations;
- (c) training flights conducted in preparation for the demonstration of compliance with these Regulations; or
- (d) the conduct of operations by the Government of Trinidad and Tobago utilizing a public aircraft.

(3) A person other than a crew member or a person who is essentially and directly connected with external-load operation shall be carried only in approved Class D rotorcraft-load combinations.

***Rotorcraft External-Load Operator Certificate***

22. Subject to regulation 4(3), a person shall not conduct rotorcraft external-load operations without a Rotorcraft External-Load Operator Certificate or in violation of the terms of such Certificate or equivalent authorization issued by the Authority.

Rotorcraft  
External-  
Load  
Operator  
Certificate  
required

**Application for and Renewal of Rotorcraft External-Load Operator Certificate**

Application for issue or renewal of Rotorcraft External-Load Operator Certificate

23. A person wishing to apply for a Rotorcraft External-Load Operator Certificate or a renewal of a Rotorcraft External-Load Operator Certificate under this Part shall—

- (a) apply to the Authority in the prescribed form; and
- (b) pay the prescribed fees.

**Personnel of the Holder of a Rotorcraft External-Load Operator Certificate**

Personnel requirements for a Rotorcraft External-Load Operator Certificate

24. (1) An applicant under regulation 23 for a Rotorcraft External-Load Operator Certificate shall hold, or have available the services of at least one person who holds a current—

- (a) Commercial Pilot Licence; or
- (b) Airline Transport Pilot Licence,

with a rating appropriate for the rotorcraft to be used.

(2) An applicant under regulation 24 shall designate one person or any other suitably qualified person for rotorcraft external-load operations.

(3) An applicant may designate suitably qualified pilots as assistant chief pilots to perform the functions of the chief pilot where the chief pilot is not readily available.

(4) A person selected as chief pilot and assistant chief pilot shall be acceptable to the Authority and shall hold a current—

- (a) Commercial Pilot Licence; or
- (b) Airline Transport Pilot Certificate,

with a rating appropriate for the rotorcraft to be used.

(5) A person holding a Rotorcraft External-Load Operator Certificate shall report any change in designation of the chief pilot or assistant chief pilot immediately to the Authority.

(6) An operator shall not continue to conduct operations under the Rotorcraft External-Load Operator Certificate unless the chief pilot demonstrates compliance with the knowledge and skill requirements within thirty days of his designation, or where otherwise authorized by the Authority.

***Issue of Rotorcraft External-Load Operator Certificate***

25. Where the Director General is satisfied that an applicant under regulation 24 meets the requirements under this Part, he may recommend the Authority issue a Rotorcraft External-Load Operator Certificate with an authorization to operate specified rotorcraft with the classes of rotorcraft-load combinations for which the applicant or certificate holder qualifies under the applicable provisions of this Part.

Issuance of a  
Rotorcraft  
External-  
Load  
Operator  
Certificate

***Exclusive use of a Rotorcraft***

26. An applicant under regulation 23 shall have the exclusive use of at least one rotorcraft that—

Requirements  
for use of  
Rotorcraft

- (a) was type certified under, and meets the requirements for rotorcraft external-load operations under the several parts of these regulations which prescribe the requirements for rotorcraft external-load operations;
- (b) complies with the certification provisions in this Part that apply to the rotorcraft-load combinations for which an Rotorcraft External-Load Operator Certificate is required; and
- (c) has a valid Airworthiness Certificate.

***Duration of Rotorcraft External-Load Operator Certificate***

27. A Rotorcraft External-Load Operator Certificate issued by the Authority shall be valid for a period of twelve months from the date of issue unless otherwise surrendered, suspended or revoked.

Duration of  
Rotorcraft  
External-  
Load  
Operator  
Certificate

***Amendment of a Rotorcraft External-Load Operator Certificate***

28. (1) A person holding a Rotorcraft External-Load Operator Certificate may apply to the Authority to amend his Rotorcraft External-Load Certificate, by either adding or deleting a Rotorcraft-Load Combination Authorization.

Amendment  
of Rotorcraft  
External-  
Load  
Operator  
Certificate

(2) An application under subregulation (1) shall be accompanied by a new list of rotorcraft, the registration number of the rotorcraft, the classes of rotorcraft-load combinations for which authorization is sought.

***Rotorcraft External-Load Operator Certificate to be Kept or Returned***

29. (1) A person conducting rotorcraft external-load operation under this Part shall keep a copy of his Rotorcraft External-Load Operator Certificate in each rotorcraft used in his operation.

Rotorcraft  
External-  
Load  
Operator  
Certificate to  
be kept or  
returned

- (2) Where a Rotorcraft External-Load Operator Certificate—
- (a) is suspended or revoked by the Authority; or
  - (b) a certificate holder discontinues operations and does not resume operations within two years,

he shall return the Rotorcraft External-Load Operator Certificate to the Authority.

### ***Rotorcraft Operating Rules***

Rotorcraft  
Operating  
Rules

30. (1) A person shall not conduct rotorcraft external-load operations without, or contrary to, the Rotorcraft-Load Combination Flight Manual prescribed in regulation 36.

(2) A person shall not conduct rotorcraft-external-load operation unless—

- (a) the rotorcraft complies with the requirements under regulation 26; and
- (b) the rotorcraft and rotorcraft-load combination is authorized under the Rotorcraft External-Load Operator Certificate.

(3) A person shall not operate a rotorcraft with external-load configuration that differs substantially from that which he previously operated whether or not the rotorcraft-load combination is of the same class, unless that person conducts the following operational checks:

- (a) a determination that the weight of the rotorcraft or load combination and the location of its centre of gravity are within approved limits;
- (b) that the external-load is securely fastened;
- (c) that the external-load does not interfere with devices provided for its emergency release;
- (d) make an initial lift-off and verify that controllability is satisfactory;
- (e) while hovering, verify that directional control is adequate;
- (f) accelerate into forward flight to verify that no attitude whether of the rotorcraft or of the external-load is encountered in which the rotorcraft is uncontrollable or which is otherwise hazardous;
- (g) in forward flight, check for hazardous oscillations of the external-load and where the external-load is not visible to the pilot, other crew members or ground personnel may assist in this check and signal the pilot; and
- (h) increase the forward airspeed and determine an operational airspeed at which no hazardous oscillation or hazardous aerodynamic turbulence is encountered.

(4) Notwithstanding the provisions of the Civil Aviation [(No. 2) Operations] Regulations, 2004, a person holding a Rotorcraft External-Load Operator Certificate may conduct rotorcraft external-load operations over congested areas if such operations are conducted without jeopardizing the safety of persons or property on the surface and comply with the following requirements:

- (a) the operator shall develop a plan for each complete operation and obtain approval for such operation from the Authority which shall include—
  - (i) an agreement with the appropriate agency that he will exclude unauthorized persons from the area in which the operation will be conducted;
  - (ii) co-ordination of operations with Air Traffic Control; and
  - (iii) where necessary, a detailed chart depicting the flight routes and altitudes;
- (b) a flight shall be conducted at an altitude, and on a route, that will allow jettisoning of external-load and landing of the rotorcraft, in an emergency without jeopardizing the safety of persons or property on the surface.

(5) Notwithstanding the provisions of the Civil Aviation [(No. 2) Operations] Regulations, 2004, and except as provided in regulation 35(1)(d), a person holding a Rotorcraft External-Load Operator Certificate may conduct external-load operations, including approaches, departures, and load positioning manoeuvres necessary for the operating, below five hundred feet above the surface and closer than five hundred feet to persons, vessels, vehicles, and structures, if the operations are conducted without jeopardizing the safety of persons or property on the surface.

(6) A person shall not conduct rotorcraft external-load operations under Instrument Flight Rules unless approval is obtained from the Authority.

### ***Restrictions on the Carriage of Persons***

31. (1) A person holding a Rotorcraft External-Load Operator Certificate shall not allow any person to be carried on board a rotorcraft during external-load operations unless such person—
- (a) is a flight crew member;
  - (b) is a flight crew member trainee;
  - (c) performs an essential function in connection with the rotorcraft external-load operation; or
  - (d) is necessary to accomplish any work activity directly associated with that operation.

Restrictions on the carriage of persons by the holder of a Rotorcraft External-Load Operator Certificate

(2) The pilot in command of an aircraft involved in external-load operations shall ensure that all persons are briefed before take-off on all important procedures to be followed including normal, abnormal, and emergency procedures and equipment to be used during the external-load operation.

***Crew member Training, Currency, and Testing Requirements***

Crew member training, currency and testing requirements for the holder of a Rotorcraft External-Load Operator Certificate

32. (1) A person holding a Rotorcraft External-Load Operator Certificate shall not use or allow any other person to serve as a pilot in any helicopter external-load operations unless that person—

- (a) has successfully demonstrated to the Authority the knowledge and skill requirements in relation to rotorcraft load combination; and
- (b) has in his possession a letter of competency or an appropriate logbook entry indicating compliance with regulation (1)(a).

(2) A person holding a Rotorcraft External-Load Operator Certificate shall not use any other person to serve as a crew member or other operations personnel in Class D operations unless such person has within the preceding twelve months successfully completed either an approved initial or a recurrent training programme.

(3) Notwithstanding subregulation (2), a person who has performed a rotorcraft external-load operation of the same class and in an aircraft of the same type within the past twelve months may not be required to undergo an approved or recurrent training programme.

***Flight Characteristics Requirements***

Flight characteristics requirements

33. (1) An applicant for a Rotorcraft External-Load Operator Certificate shall successfully demonstrate to the Authority an operational flight check showing that the rotorcraft load combination has satisfactory flight characteristics except where such a flight check had been previously successfully demonstrated by the applicant.

(2) The external-load weight including the external-load attaching mechanism for which the applicant is required to demonstrate operational flight checks under subregulation (1) shall have the maximum weight for which authorization is granted.

(3) For a Class A rotorcraft-load combination, the operational flight check shall include the following manoeuvres:

- (a) take-off and landing;
- (b) demonstration of adequate directional control while hovering;
- (c) acceleration from a hover; and
- (d) horizontal flight at airspeeds up to the maximum airspeed for which authorization is requested.

(4) For Class B and Class D rotorcraft-load combinations the operational flight check shall include the following manoeuvres:

- (a) pickup of the external-load;
- (b) demonstration of adequate directional control while hovering;
- (c) acceleration from a hover;
- (d) horizontal flight at airspeeds up to the maximum airspeed for which authorization is requested;
- (e) demonstrating appropriate lifting device operation; and
- (f) manoeuvring of the external-load into release position and its release, under probable flight operation conditions, by means of each of the quick-release controls installed on the rotorcraft.

(5) For a Class C rotorcraft-load combination, used in wire-stringing, cable-laying, or similar operations, the operational flight check shall consist of such relevant manoeuvres, as prescribed in subregulation (4).

### ***Structures and Design of External-Load Attaching Means***

34. Where the Director General is satisfied that the structure and design of the external-load attaching means of a rotorcraft meets the requirements under this Part he may recommend the Authority may approve—

Approvals based on structures and design of external-load attaching means

- (a) external-load attaching means;
- (b) quick release device; and
- (c) weight and centre of gravity for—
  - (i) the total weight of the rotorcraft-load combination which shall not exceed the total weight approved for the rotorcraft during its type certification;
  - (ii) the location of the centre of gravity shall, for all loading conditions, be within the range established for the rotorcraft during its type certification; and
  - (iii) Class C rotorcraft-load combinations, the magnitude and direction of the loading force must be established at those values for which the effective location of the centre of gravity remains within its established range.

### ***Operating Limitations***

Operating  
limitations  
for the holder  
of a  
Rotorcraft  
External-  
Load  
Operator  
Certificate

35. (1) In addition to the operating limitations in the approved Rotorcraft Flight Manual required by regulation 36, and any other limitations the Director General may prescribe, a person holding a Rotorcraft External-Load Operator Certificate shall establish and set out in the Rotorcraft-Load Combination Flight Manual for rotorcraft-load combination operations the following limitations requirements:

- (a) the rotorcraft-load combination shall be operated only within the weight and centre of gravity limitations established in accordance with this Part;
- (b) the rotorcraft-load combination shall not be operated with an external-load weight exceeding that used in showing compliance with this Part;
- (c) the rotorcraft-load combination shall not be operated at airspeeds greater than those established in accordance with this Part; and
- (d) external-load operation under this Part shall not conduct with a rotorcraft type certified in the restricted category over—
  - (i) a densely populated area;
  - (ii) in a congested airway; or
  - (iii) near a busy airport where passenger transport operations are conducted.

(2) The rotorcraft-load combination of Class D may be conducted only in accordance with the following guidelines:

- (a) the rotorcraft to be used shall be type certified under transport Category A for the operating weight and provide hover capability with one engine inoperative at that operating weight and altitude;
- (b) the rotorcraft shall be equipped to facilitate direct radio intercommunication among required crew members;
- (c) the personnel-lifting device shall be approved by the Authority; and
- (d) the lifting device shall have an emergency release requiring two distinct actions.

### ***Rotorcraft-Load Combination Flight Manual***

Requirement  
for a  
Rotorcraft-  
Load  
Combination  
Flight  
Manual

36. (1) An applicant for a Rotorcraft External-Load Operator Certificate shall prepare and submit a Rotorcraft-Load Combination Flight Manual for approval by the Authority which shall include—

- (a) operating limitations, normal and emergency procedures, performance, and other information established under this Part;

- (b) the class of rotorcraft-load combinations for which the airworthiness of the rotorcraft has been demonstrated in accordance with this Part;
- (c) any peculiarities discovered when operating particular rotorcraft-load combinations;
- (d) precautionary advice regarding static electricity discharges for Class B, Class C, and Class D rotorcraft-load combinations; and
- (e) any other information essential for safe operation with external loads.

(2) A Rotorcraft Flight Manual under this regulation may not include the limitation on height or speed envelope data.

### ***Requirements for Markings and Placards***

37. (1) All markings and placards on a rotorcraft shall be conspicuous and shall be engraved in such a manner that it cannot be easily erased, disfigured, or obscured.

Requirements  
for markings  
and placards

(2) The markings and placards under subregulation (1) shall include a placard—

- (a) displayed in the cockpit or cabin, stating the class of rotorcraft-load combination and the occupancy limitation for which the rotorcraft has been approved; and
- (b) with marking, or instruction displayed next to the external-load attaching means stating the maximum external-load approved.

### ***Airworthiness Certification***

38. A Rotorcraft External-Load Operator Certificate is a current and valid Airworthiness Certificate for each rotorcraft type and listed by a registration number on a list attached to his Rotorcraft External-Load Operator Certificate, when the rotorcraft is being used in operations conducted under these Regulations.

Holder of a  
Rotorcraft  
External-  
Load  
Operator  
Certificate to  
have an  
Airworthiness  
Certificate

## **PART III**

### **GLIDER TOWING**

#### ***Applicability of Part III***

39. This Part applies to operations involving glider towing aircraft.

Applicability  
of Part III

***Private Pilot Licence with a Category Rating Requirement for  
Tow Pilot***

Tow pilot to  
have Private  
Pilot Licence  
with a  
category  
rating

40. A person shall not act as a tow pilot for a glider unless he has at least a Private Pilot Licence with a category rating for towing aircraft.

***Requirements for Aircraft Involved in Towing***

Aircraft  
requirements  
for towing

41. A person shall not operate an aircraft that is towing a glider unless such aircraft is equipped with a tow hook and release control system that meet the applicable airworthiness standards.

***Requirements for Experience and Training for Tow Pilot***

Experience  
and training  
requirements  
for tow pilot

42. (1) A person shall not act as a tow pilot for a glider unless he has—

- (a) logged at least one hundred hours of pilot in command time in same aircraft category, class, and type if applicable, as the tow aircraft;
- (b) received training and instructor endorsement in—
  - (i) techniques and procedures essential to the safe towing of gliders, including airspeed limitations;
  - (ii) emergency procedures;
  - (iii) signals used; and
  - (iv) maximum angles of bank;
- (c) except as provided in subregulation (2), completed and endorsed at least three flights as the sole manipulator of the controls of an aircraft towing a glider or simulating glider-towing flight procedures while accompanied by a pilot who meets the requirements of this regulation; and
- (d) within the preceding twelve months has—
  - (i) made at least three actual glider tows; or
  - (ii) made at least three flights as pilot in command of a glider towed by an aircraft.

(2) A person who before the coming into operation of this regulation made and logged ten or more flights as pilot in command of an aircraft towing a glider in accordance with the authorization of the Authority need not comply with subregulation (1)(c) and (1)(d).

## PART IV

## BANNER TOWING

***Applicability of Part IV***

43. This Part applies to operations involving towing of banners or other signs, lit or unlit by aircraft. Applicability of Part IV

***Banner Towing Certificate or Authorization***

44. (1) A person shall not conduct operations under this Part unless he has a Banner Towing Certificate or equivalent authorization issued by the Authority. Requirement for Banner Towing Certificate or authorization

(2) A person wishing to apply for a Banner Towing Certificate shall—

- (a) apply to the Authority in the prescribed form; and
- (b) pay the prescribed fee.

(3) Where the Director General is satisfied that an applicant satisfies the requirements under this Part, he may recommend the Authority issue that person with the relevant certificate or authorization under subregulation (1).

(4) Notwithstanding subregulations (1) and (3) a person who operates a helicopter under Part II of these Regulations may tow a banner using an external-load attaching means without a Banner Towing Certificate where that person has at least a Class B authorization on his operating certificate.

***Banner Towing Requirements for Aircraft***

45. (1) A person shall not operate an aircraft that is towing a banner unless that aircraft is equipped with a tow hook and release control system that meet the applicable airworthiness standards. Aircraft requirements for banner towing

(2) A pilot shall not conduct banner towing operations in helicopter unless such helicopter has a means to prevent the banner from becoming entangled in its tail rotor during all phases of flight, including autorotations.

***Banner Tow Operations Experience and Training Requirements***

46. (1) A pilot shall not conduct non-commercial banner tow operations unless that person has a valid Private Pilot Licence and a minimum of two hundred hours pilot in command flight time. Experience and training requirements for conduct of banner tow operations

(2) A pilot shall not conduct banner tow operations for compensation or hire, without a Commercial Pilot Licence and at least a valid Class E medical certificate.

(3) A pilot engaged in banner tow operations shall demonstrate his competence to the Authority by performing at least one pickup and drop off, of the maximum number of letters or panels that can be used.

(4) A demonstration under subregulation (3) shall be observed from the ground to allow the inspector to evaluate the competence of any essential ground personnel as well as the flight operation.

### ***Operating Rules for Banner Tow Operations***

Operating  
rules for  
banner tow  
operations

47. (1) A banner tow operation shall be conducted—

- (a) in Visual Flight Rules weather conditions; and
- (b) between the hours of official sunrise and official sunset.

(2) A person shall not conduct banner tow operations—

- (a) over congested areas or open air assemblies of persons lower than one thousand feet; and
- (b) elsewhere lower than the minimum safe altitude requirements under the Civil Aviation [(No. 2) Operations] Regulations, 2004.

(3) Notwithstanding subregulation (1), a helicopter may be used in banner tow operations lower than the minimum prescribed altitude where such operations are conducted without jeopardizing the safety of persons or property on the surface.

(4) A person holding a certificate or equivalent authorization under this Part shall not conduct banner towing operations, unless prior approval is obtained from the airport manager.

(5) When conducting banner tow operation at an airport—

- (a) with a control tower, the operator shall notify the personnel at the control tower of the time of the banner tow operation;
- (b) within close proximity to an uncontrolled airport, the operator shall notify the appropriate airport personnel of the banner towing operations.

(6) No person other than crew members directly involved in conducting banner tow operations shall be carried on board the aircraft involved in towing a banner.

(7) When conducting banner tow operations above congested areas, the pilot of the aircraft shall at all time exercise due care to minimize the risk of damage to persons or property on the surface in the event the emergency release of banner or tow rope becomes necessary.

(8) Where a banner tow operation is completed the tow-rope shall be dropped in a pre-designated area at least five hundred feet from persons, buildings, parked automobiles, and aircraft.

(9) Where a tow plane lands with the tow-rope attached, the pilot of the aircraft shall at all time exercise due care to avoid trailing the tow-rope and endangering other aircraft, persons or property.

(10) A pilot conducting banner tow operations shall have on board the aircraft a current copy of such Banner Towing Certificate or equivalent authorization issued by the Authority.

## PART V

### TELEVISION AND MOVIE OPERATIONS

#### ***Applicability of Part V***

48. This Part applies to operations involving movie filming, appearance in flight in movies, and airborne direction or production of such filming when those operations are conducted as part of a business enterprise or for compensation or hire. Applicability of Part V

#### ***Aerial Television and Movie Certificate or Authorization***

49. (1) A person shall not conduct operations under this Part unless that person holds an Aerial Television and Movie Certificate or equivalent authorization issued by the Authority. Requirement for Aerial Television and Movie Certificate or authorization

(2) A person wishing to apply for an Aerial Television and Movie Certificate shall—

- (a) apply to the Authority in the prescribed form; and
- (b) pay the prescribed fee.

(3) Where the Director General is satisfied that a person meets the requirement under this Part, he may recommend the Authority issue an Aerial Television and Movie Certificate or authorization under this Part.

#### ***Aircraft Requirements for Aerial Television and Movie Certificate or Authorization***

50. An aircraft shall not be used in motion picture and television filming operations, in the experimental category unless the aircraft has an Airworthiness Certificate issued for the purpose of exhibition. Aircraft requirements for Aerial Television and Movie Certificate or authorization

***Aerial Television and Movie Certificate or Authorization  
Experience and Training Requirements***

Experience  
and training  
requirements  
for Aerial  
Television  
and Movie  
Certificate or  
authorization

51. A pilot shall not conduct television and movie operations on an aircraft unless he has—

- (a) a Commercial Pilot Licence with ratings appropriate to the category and class of aircraft to be used under the terms of the waiver;
- (b) at least five hundred hours as pilot in command;
- (c) a minimum of one hundred hours, in the category and class of aircraft to be used;
- (d) a minimum of five hours in the make and model of aircraft to be used under the waiver;
- (e) a statement of aerobatics competency for the operations to be performed if the pilot intends to perform aerobatics below 1,500 feet above ground level.

***Waiver Requirements***

Waiver  
requirements

52. (1) An applicant under regulation 49 may apply for a waiver of the requirements of these Regulations where filming sequences require an aircraft to be flown—

- (a) in aerobatic flight below 1,500 feet above ground level;
- (b) over a congested area; or
- (c) in controlled airspace.

(2) When conducting any filming operation requiring a waiver, the person holding the certificate shall ensure that all reasonable efforts are made to confine spectators to designated areas.

(3) Where reasonable efforts have been taken to prevent unauthorized access to the airspace where manoeuvres are being performed and unauthorized persons or vehicles enter the airspace where manoeuvres are being performed during the filming production event, reasonable efforts shall be made to remove such unauthorized persons or vehicles.

(4) A person holding an Aerial Television or Movie Certificate or waiver, shall before conducting filming operations, provide the Authority with a schedule of events that lists the—

- (a) identification of the aircraft; and
- (b) performers in the sequence of their appearance.

(5) Where manoeuvres are added or time changes are made to the schedule of events such additions and changes shall be approved by the Authority.

(6) A person holding an Aerial Television or Movie Certificate or waiver under this Part shall develop and have approved by the Authority a Motion Picture and Television Flight Operations Manual.

***Motion Picture and Television Flight Operations Manual***

53. A Motion Picture and Television Flight Operations Manual under regulation 52 shall contain:

- (a) the business name of the company or organization, address, and telephone number of applicant;
- (b) a list of pilots to be employed during the filming operations including the number on the pilot licence, grade, and class and date of medical certificates;
- (c) a list of the make and model of aircraft to be used in the filming operations;
- (d) the distribution and revision procedures for the manual to ensure that all manuals are kept current;
- (e) the procedures to ensure that no person, except those persons consenting to be involved and necessary for the filming production, are allowed within five hundred feet of the filming production area;
- (f) the area of operation to be used during the term of the waiver;
- (g) the procedures for the submission, within three days of scheduled filming, the written plan of activities to the Authority containing—
  - (i) the dates and times for all flights;
  - (ii) the name and telephone number of the person responsible for the filming production event;
  - (iii) the make and model of aircraft to be used and type of Airworthiness Certificate, including category;
  - (iv) the names of pilots involved in the filming production event;
  - (v) a statement that permission has been obtained from property owners or local officials to conduct the filming production operations;
  - (vi) the person in whose favour the waiver was granted or their personal representative; and
  - (vii) a general outline, or summary, of the production schedule, including maps or diagrams of the specific filming location, if necessary;

Contents of a  
Motion  
Picture and  
Television  
Flight  
Operations  
Manual

- (h) the requirements and procedures that will be used to obtain permission from property owners or public authority such as Trinidad and Tobago Police Service, Trinidad and Tobago Fire Service as appropriate for the conduct of all filming operations when using the waiver;
- (i) the method of security that will be used to exclude all persons not directly involved with the filming operation from the location;
- (j) the mechanism that will be used to stop filming operations when unauthorized persons, vehicles, or aircraft enter the operations area, or for any other reason, in the interest of safety filming;
- (k) the procedures to be used when briefing personnel of the risks involved, emergency procedures, and safeguards to be followed during the filming production operations;
- (l) the procedures to ensure that the required inspections will be conducted;
- (m) the procedures to provide communications capability with all participants during the actual operation and filming; and
- (n) the procedures for notification and reporting of accidents.

## PART VI

### SIGHTSEEING FLIGHTS

#### ***Applicability of Part VI***

Applicability  
of Part VI

54. This Part shall apply to operations involving the carriage of persons for viewing natural formations or man made objects on the ground when filming operations are conducted as part of a business enterprise or for compensation or hire.

#### ***Sightseeing Flight Certificate or Authorization***

Requirements  
for  
Sightseeing  
Flight  
Certificate or  
authorisation

55. (1) A person shall not conduct operations under this Part unless that person has a Sightseeing Flight Certificate or equivalent authorization issued by the Authority.

(2) A person wishing to apply for a Sightseeing Flight Certificate shall—

- (a) apply to the Authority in the prescribed form; and
- (b) pay the prescribed fee.

(3) Where the Director General is satisfied that a person meets the requirement under this Part he may recommend the Authority issue the Sightseeing Certificate or equivalent qualification to each applicant who qualifies for it under the provisions of this Part.

(4) An air operator under this Part shall hold an Air Operator Certificate issued under the provisions of the Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004.

***Sightseeing Flight Certificate or Authorization Experience and Training Requirements***

56. The experience and training requirements under the Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004 shall apply to all operations under this Part.

Experience and training requirements for Sightseeing Flight Certificate or authorization

***Operating Rules for Sightseeing Flight Certificate or Authorization***

57. The operating rules requirements under the Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004 shall apply to all operations under this Part.

Operating rules for Sightseeing Flight Certificate or authorization

PART VII

FISH SPOTTING

***Applicability of Part VII***

58. This Part shall apply to operations involving location, tracking, and reporting of fish and fish schools, when those operations are conducted as part of a business enterprise or for compensation or hire.

Applicability of Part VII

***Fish Spotting Certificate or Authorization***

59. (1) A person shall not conduct operations under this Part unless that person has a Fish Spotting Certificate or equivalent authorization issued by the Authority.

Requirements for Fish Spotting Certificate or authorization

(2) A person wishing to apply for a Fish Spotting Certificate shall—

- (a) apply to the Authority in the prescribed form; and
- (b) pay the prescribed fee.

(3) Where the Authority is satisfied that a person meets the requirements under this Part he may recommend the Authority issue a Fish Spotting Certificate or equivalent authorization to each applicant who qualifies for it under the provisions of this Part.

***Operating Rules for Fish Spotting Certificate or Authorization***

Operating  
rules for Fish  
Spotting  
Certificate or  
authorization

60. (1) An operator under this Part shall not conduct operations to endanger persons or property on the surface nor aircraft in flight.

(2) The minimum cloud clearance requirements and minimum altitude requirements under the Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004 shall not apply to such persons as the Director General may recommend that the Authority approve different minima cloud clearance and altitude clearance as part of an authorization under this Part.

PART VIII

TRAFFIC REPORTING

***Applicability of Part VIII***

Applicability  
of Part VIII

61. This Part shall apply to operations involving the observation of, and reporting on, of vehicular traffic conditions on the highways and streets when conducted by airmen in an aircraft in flight not designated as solely for public use.

***Vehicular Traffic Reporting Certificate or Authorization***

Requirements  
for Vehicular  
Traffic  
Reporting  
Certificate or  
authorization

62. (1) A person conducting operations under this Part shall have a Vehicular Traffic Reporting Certificate or equivalent authorization issued by the Authority.

(2) A person wishing to apply for a Vehicular Traffic Reporting Certificate shall—

- (a) apply to the Authority in the prescribed form; and
- (b) pay the prescribed fee.

(3) Where the Authority is satisfied that a person satisfies all the requirements under this Part he may recommend the Authority to issue a Vehicular Traffic Reporting Certificate or equivalent authorization.

(4) An operator under this Part shall not conduct operations to endanger persons or property on the surface or aircraft in flight.

(5) The minimum cloud clearance requirements and minimum altitude requirements under the Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004 shall not apply to such persons as the Director General may recommend that the Authority approve different minima cloud clearance and altitude clearance as part of an authorization under this Part.

**Commencement of these Regulations**

63. The requirements of these Regulations shall come into effect twelve (12) months from the date of publication of these Regulations.

Commencement

**Director General may amend Schedules**

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

Director General to amend Schedules

SCHEDULE 1

(Regulation 2)

Class A—external-load fixed to the rotorcraft, cannot be jettisoned, and does not extend below the landing gear used to transport cargo.

Class B—external-load suspended from the rotorcraft, which can be jettisoned, and is transported free of land or water during rotorcraft operations.

Class C—external-load suspended from the rotorcraft, which can be jettisoned, but remains in contact with land or water during rotorcraft operation.

Class D—external-load suspended from the rotorcraft for the carriage of persons.

SCHEDULE 2

(Regulation 16)

OPERATION OVER CONGESTED AREAS: GENERAL

(1) A certificate holder shall ensure that all single engine aircraft while in a congested area operate—

- (a) except for helicopters, during take offs and turnarounds, with no load;
- (b) not below the altitudes prescribed in Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004 except during the actual dispensing operation, including the approaches and departures necessary for that operation;
- (c) during the actual dispensing operation, including the approaches and departures for that operation, not below the altitudes prescribed in Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004 unless it is in an area and at such an altitude that the aircraft can make an emergency landing without endangering persons or property on the surface.

(2) A certificate holder shall ensure that all multi-engine aircraft while in a congested area operate—

- (a) during take-off, under conditions that will allow the aeroplane to be brought to a safe stop within the effective length of the runway from any point on take-off up to the time of attaining, with all engines operating at normal take-off power, 105 per cent of the minimum control speed with the critical engine inoperative in the take-off configuration or 115 per cent of the power-off stall speed in the take-off configuration, whichever is greater;

Note: *Assume still-air conditions, and no correction for any uphill gradient of one per cent or less when the percentage is measured as the difference between elevation at the end points of the runway divided by the total length. For uphill gradients greater than one per cent, the effective take-off length of the runway is reduced 20 per cent for each one per cent grade.*

- (b) at a weight greater than the weight that, with the critical engine inoperative, would permit a rate of climb of at least 50 feet per minute at an altitude of at least 1,000 feet above the elevation of the highest ground or obstruction within the area to be worked or at an altitude of 5,000 feet, whichever is higher. Assume that the propeller of the inoperative engine is in the minimum drag position; that the wing flaps and landing gear are in the most favourable positions; and that the remaining engine or engines are operating at the maximum continuous power available; and
- (c) below the altitudes prescribed in Civil Aviation [(No. 3) Air Operator Certification and Administration] Regulations, 2004 except during the actual dispensing operation, including the approaches, departures, and turnarounds necessary for that operation.

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

R. LUTCHMEDIAL  
*Civil Aviation Authority*

Approved by the Minister of Works and Transport.

F. A KHAN  
*Minister of Works and Transport*

Laid in the House of Representatives this 26th day of May, 2004.

J. SAMPSON-JACENT  
*Clerk of the House*

Laid in the Senate this 1st day of June, 2004.

N. JAGGASSAR  
*Acting Clerk of the Senate*