



## SPECIAL PURPOSE OPERATIONS

### AGRICULTURAL OPERATIONS

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## 1.0 **APPLICABILITY**

Agricultural Aircraft Operations within Yemen. shall be conducted in accordance with the Regulations set forth in this Section.

## 1.1 **DEFINITIONS**

1.1.1 **Agricultural Aircraft Operations** means the operation of 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.

1.1.2 **Economic Poison** means:

- (a) any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects, rodents, nematodes, fungi, weeds, and other forms of plant or animals, which shall be declared as a pest; and
- (b) any substance or mixture of substances intended for use as a plant regulator, defoliant or desiccant.

## 1.2 **CERTIFICATE REQUIRED**

No person may conduct agricultural aircraft operations without, or in violation of, an agricultural aircraft operator certificate issued under this Section. Temporary permits to conduct agricultural aircraft operations in the immediate interest of public health may be issued by CAMA wherein the executing agency is a government entity, to conduct such operations on an urgent basis. Operations conducted under such circumstances shall be conducted by an operator within Yemen. who has demonstrated satisfactory abilities and resources to do so. Temporary permits shall not be used as a normal means of authority to conduct agricultural operations.

### 1.2.1 **Application for Certificate**

An application for an agricultural aircraft operator certificate is made to CAMA on an appropriate form as designated by CAMA. All prerequisites requirements for agricultural operator certificate must be met prior to formal application.



### 1.3 DISPENSING OF MATERIALS OR SUBSTANCES FROM AIRCRAFT

No person may dispense, or cause to be dispensed, from an aircraft, any material or substance in a manner that creates a hazard to persons or property on the surface.

#### 1.3.1 Dispensing of Economic Poisons

- (a) No person shall dispense, or cause to be dispensed, any material for agricultural use or control of insects unless, prior to the commencement of the operation, the operator has written permission from the Ministry/or Department of Health and Ministry of Interior approving the dispensing of the particular economic poison to be used.
- (b) No person may dispense or cause to be dispensed from an aircraft, any economic poison:
  - (i) for a use other than that for which it is registered;
  - (ii) contrary to any safety instructions or use limitations on its label; or
  - (iii) in violation of any law of Yemen.

### 1.4 CERTIFICATE REQUIREMENTS

- (a) The applicant must have available the services of at least one person who holds a current Yemen. commercial or airline transport pilot licence and who is properly rated for the aircraft to be used. The applicant himself may be the person available.
- (b) The applicant must have at least one certificated and airworthy aircraft, equipped for agricultural operations.
- (c) The applicant must show, or have the person who is designated as the chief supervisor of agricultural aircraft operations for him show, that he has satisfactory knowledge and skill regarding agricultural aircraft operations, as described in subparagraphs (1) and (2), below.
  - (1) The test of knowledge consists of the following:
    - (i) steps to be taken before starting operations, including survey (from the ground) of the area to be worked.
    - (ii) 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, with emphasis on those normally used in the areas of intended operations; and the precautions to be observed in using poisons and chemicals.
  - (iv) primary symptoms of poisoning of persons from economic poisons, the appropriate emergency measures to be taken, and the location of medical facilities with medical personnel prepared to administer proper medical treatment to any potential victim resulting from chemical poisoning.
  - (v) performance capabilities and operating limitations of the aircraft to be used.
  - (vi) safe flight and application procedures.
- (2) The test of skill consists of the following manoeuvres that must be shown in any of the aircraft specified in subparagraph (b), above, and at that aircraft's maximum certificated take-off weight, or the maximum weight established for the special purpose load, whichever is greater:
- (i) short field and high density altitude takeoffs.
  - (ii) approaches to the working area.
  - (iii) flare-outs.
  - (iv) swath runs.
  - (v) pull-ups and turnarounds.
  - (vi) rapid decelerations (quick stops) in helicopters only.

#### 1.4.1 Duration of Certificate

An agricultural aircraft operator certificate is effective for a period not to exceed two years from the date of issue unless sooner suspended, revoked or surrendered.

#### 1.4.2 Carrying of Certificate

No person may operate an aircraft unless a facsimile of the agricultural aircraft operator certificate, under which the operation is conducted, is carried on that aircraft. The facsimile shall be presented for inspection upon the request of CAMA.

### 1.5 AIRCRAFT REQUIREMENTS

No person may operate an aircraft unless that aircraft:

- (a) meets the requirements of paragraph 1.4 (b), above;



- (b) is equipped with a suitable and properly installed shoulder harness for use by each pilot; and
- (c) is equipped with wire cutters and continuous re-light ignition.

#### 1.6 **PERSONNEL**

The holder of an agricultural aircraft operator certificate shall insure that each person used in the holder's agricultural aircraft operation is informed of that person's duties and responsibilities for the operation.

- (a) Supervisors. No person may supervise an agricultural aircraft operation unless he has met the knowledge and skill requirements of paragraph 1.4 (c), above.
- (b) Pilot-in-command. No person may act as pilot-in-command of an aircraft unless he holds a commercial or airline transport pilot licence and rating prescribed by paragraph 1.4 (a), above. In addition, he must demonstrate to the holder of the Agricultural Aircraft Operator Certificate conducting the operation that he has met the knowledge and skill requirements of paragraph 1.4 (c), above.

#### 1.7 **FASTENING OF SAFETY BELTS AND SHOULDER HARNESSSES**

No person may operate an aircraft in operations required to be conducted under this chapter without a safety belt and shoulder harness properly secured about that person.

#### 1.8 **AIRPORT TRAFFIC AREAS AND CONTROL ZONES**

Except for flights to and from the dispensing area, no person may operate an aircraft within an airport traffic area, or within a control zone having an operative control tower unless authorization for that operation has been obtained from the appropriate ATS facility.

#### 1.9 **OPERATIONS OVER CONGESTED AREAS**

Operations over congested areas may only be conducted with prior written approval from CAMA , Authorization must be obtained for each operation to be conducted. Written approval shall be based on:

- (a) the best interest of the public, and
- (b) written approval from CAMA.
- (c) a plan for each operation must be submitted to, and approved by CAMA.



- (d) Aircraft must be operated as follows:
- (i) No person may takeoff a loaded aircraft or make a turnaround over a congested area.
  - (ii) No person may operate an aircraft over a congested area below 500 feet except during the actual dispensing operation, including the approaches and departures necessary for that operation.
  - (iii) No person may operate an aircraft over a congested area during the actual dispensing operation, including the approaches and departures for that operation, unless it is operated in a pattern and at such altitude that the aircraft can land, in an emergency, without endangering persons or property on the surface.

#### 1.10 OPERATIONS OVER OTHER THAN CONGESTED AREAS

Notwithstanding Part III of Yemen Civil Aviation Regulations and Yemen. AIP, during the actual dispensing operation, including approaches, departures, and turnarounds reasonably necessary for the operation, an aircraft may be operated over other than congested areas below 500 feet above the surface and closer than 500 feet to vessels, vehicles, and structures, if the operations are conducted without creating a hazard to persons or property on the surface. However, no authorization is granted to fly closer than 500 feet to persons on the ground who are not an official function of the operation being conducted.

#### 1.11 INSPECTION AUTHORITY

Each holder of an agricultural aircraft operator certificate shall allow CAMA at any time place to make inspections, to determine compliance with applicable standards.