

## **ATTACHMENT 20-3 Free balloon flight operations and tethered activities.**

This attachment was established in accordance with Article 202-1 and Article 299 of this AOR proper

### 1. Applicability

1.2 A general aviation operator engaged in free balloon flight operations shall operate in compliance with this attachment of AOR.

1.3 A free balloon operator engaged in general flight operations describe in Chapter 4 of AOR shall operate in compliance with the instruments and equipments specified in this attachment.

### 2. Aircraft requirement :

2.1 Inspect the balloon and assure that :

2.1.1 All required inspections are properly signed off.

2.1.1.1 Complete all inspections in accordance with maintenance program.

2.1.1.2 Aircraft registration and proper registration markings.

2.1.1.3 Instructions for continued airworthiness are complied with.

2.2 Assure the airworthiness certificate and registration certificates are legible and in the balloon.

2.3 Make a general 360 inspection of the exterior of the balloon and security of all required equipment.

### 3. Operation requirement :

3.1 Aircraft operators shall hold a free balloon operation manual.

3.2 Aware of meteorological phenomena, obstacles clearance conditions on launch site and shall not endanger life, property and other aircraft.

3.3 The aircraft engaged in free balloon tethered activities shall hold a effective airworthiness certificate and shall be manipulated by a qualified pilot, all activities shall be approved by CAA prior to operation.

### 4. Training requirements for flight crew

4.1 PREREQUISITES - Knowledge of:

4.1.1 Free balloon airworthiness standards adopted by CAA.

4.1.2 AC 91-71 Hot Air Balloon Operations with Airborne Heater.

4.2 Balloon airman training or annual review is accomplished satisfactorily in accordance with approved training program.

5. A free balloon may operated if the balloon is equipped with the following:

5.1 Equipments for free balloon :

5.1.1 An altimeter ;

5.1.2 A vertical speed indicator ;

5.1.3 A timepiece, which may be carried on the person of the pilot, that is accurate to and readable to the nearest hour, minute and second for the duration of the flight ;

5.1.4 A fire-distinguisher ;

5.1.5 A First Aid kit;

5.1.6 One set of walky-talky or above (controlled and uncontrolled area) ; one set of aviation radio telephone or above (controlled area).

5.2 Equipments for hot air balloon :

5.2.1 A fuel quantity gauge. If fuel cells are used, means must be incorporated to indicate to the crew the quantity of fuel in each cell during flight. The means must be calibrated in appropriate units or in percent of fuel cell capacity ;

5.2.2 Two different sources of ignition.

5.3 Equipments for inflatable free balloon :

5.3.1 A compass ;

5.3.2 An envelope are pressure gage.