

## **EMERGENCY PROCEDURES**

**Summary:** These procedures outline actions to be taken in the event of an emergency. In addition to UAV emergencies, others are described along with procedures planned.

### **Emergency 1. Intruding Aircraft Enters Area of UAV Operation**

#### **Description:**

This Emergency would be if another aircraft entered the area in which the UAV was flying, and there was danger of a possible collision.

#### **Action:**

In the event of another aircraft entering the area, the PIC and spotter will take these actions:

1. PIC, assistant, and spotter(s) will communicate the intruding aircraft description, altitude, and heading and decide if the UAV poses a danger of collision. If the danger DOES exist then:
2. PIC will descend and fly the UAV away from the intruding aircraft.
3. PIC will land the UAV.

### **Emergency 2. Fire**

#### **Description:**

A **Fire** could occur during fueling operations, battery charging or other unforeseen electrical failure.

#### **Action:**

1. Flight crew will control fire using their CO2 and chemical extinguishers brought to site.
2. If uncontrollable, crew members will notify authorities via radio or cell phone (9-1-1).
3. Flight crew will take steps to protect personnel and property from fire.
4. Note: The Quarter-Scale Piper Cub UAS uses heavy fuel (gasoline:oil in 30:1 ratio). Fueling operations will be conducted with a team member standing by with a fire extinguisher. Fueling will be conducted away from combustible materials and personnel.

### **Emergency 3. Injury to Person**

#### **Description:**

An **injury to person** could occur due to many unforeseen circumstances during a flight test. These include electrical shock, wounds due to propellers, snake bite and others.

#### **Action:**

In the event that one of the flight crew is injured, these steps will be taken:

1. If the injury is of a minor nature, the person will be treated using the first aid kit kept with the UAS equipment and support vehicles.
2. If the injury is more serious, requiring medical attention, the person will be transported to the nearest hospital, Chattooga County Hospital in Summerville, GA (The Primary Coordinates are: Latitude 34.491275 N and Longitude 85.337734 W). This is about 7.5 miles from the AO.
3. If the injury is very serious, the team will call 9-1-1 on the cell phone and request immediate assistance.

Filename: COA Appl 1165\_EMERGENCY Procedures-1.doc

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C.O.A. Draft #1165

Updated: 2 July 2009