

# Lesson Plan for 2019 sUAS Visual Observer Training & Proficiency

(CALEA 41.1.3)

**Instructor:** Current certified sUAS Pilots

**Training Dates:** Various

**Length of Training:** 1 hour

**Method of Training:** Lecture, Practical Application

**Purpose of Training:**

Officers will be instructed on current FAA requirements, rules, and regulations. Officers will review current department policy. Officers will participate in practical application to include observing the aircraft in flight and identifying potential hazards. Officers will complete a written exam and obtain a minimum score of 80%.

**Objectives:**

- Review of SOP 582 and associated forms/paperwork
- Review visual observer roles
- Review FAA regulations
- Monitor at least one (1) flight and identify potential hazards

## Visual Observer Test

1. Write the letter of the answer which best corresponds to the below definitions:

\_\_\_\_\_ A person acting as a flight crewmember to help see and avoid air traffic or other objects in the sky, overhead, or on the ground

- A. Remote Pilot in Command
- B. Person Manipulating the Controls
- C. Visual Observer

\_\_\_\_\_ A person controlling the sUAS under direct supervision of the Remote PIC

\_\_\_\_\_ A person who holds a current remote pilot certificate with an sUAS rating and has the final authority for the operation and safety of the sUAS

2. Name 3 roles of a visual observer.

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

3. Who has the ultimate authority for the safe operation and safety of the sUAS?

- a. Person Manipulating the Controls
- b. sUAS Supervisor
- c. Remote Pilot in Command
- d. Visual Observer

4. Without a waiver or authorization, an unmanned aircraft may operate beyond visual line of sight if authorized by the Remote Pilot in Command.

- a. True
- b. False

Name: \_\_\_\_\_ DSN: \_\_\_\_\_

5. What types of objects may be a hazard to an unmanned aircraft?
  - a. People on the ground
  - b. Trees
  - c. Electrical Wires
  - d. Other aircraft
  - e. All of the Above
  
6. What document is used before and after flight to determine if the mission can and has been flown safely?  
\_\_\_\_\_
  
7. What factors will always prohibit a person from serving as any sUAS crewmember?
  - a. Consumption of any alcoholic beverage within the preceding 8 hours
  - b. Under the influence of alcohol
  - c. Has a BAC of .04% or greater
  - d. Is using a drug that affects the person's mental or physical capabilities
  - e. All of the Above
  
8. As long as a mission begins prior to sunset, it is permitted to continue after dark.
  - a. True
  - b. False
  
9. The UA begins to drift beyond visual line of sight. The visual observer should:
  - a. Wait to see if it comes back
  - b. Notify the PIC immediately
  - c. Wait until it is completely out-of-sight, then notify the PIC
  - d. Do nothing
  
10. Which government entity is responsible for the National Airspace, thus making it responsible for the safe operation of unmanned aircraft? \_\_\_\_\_

## Visual Observer Test

1. Write the letter of the answer which best corresponds to the below definitions:

C A person acting as a flight crewmember to help see and avoid air traffic or other objects in the sky, overhead, or on the ground

- A. Remote Pilot in Command
- B. Person Manipulating the Controls
- C. Visual Observer

B A person controlling the sUAS under direct supervision of the Remote PIC

A A person who holds a current remote pilot certificate with an sUAS rating and has the final authority for the operation and safety of the sUAS

2. Name 3 roles of a visual observer.

a. Scan for traffic, detect hard-to-detect objects, maintain VLOS, remain near PIC, communicate directly with PIC

b. \_\_\_\_\_

c. \_\_\_\_\_

3. Who has the ultimate authority for the safe operation and safety of the sUAS?

- a. Person Manipulating the Controls
- b. sUAS Supervisor
- c. Remote Pilot in Command
- d. Visual Observer

4. Without a waiver or authorization, an unmanned aircraft may operate beyond visual line of sight if authorized by the Remote Pilot in Command.

- a. True

- b. **False**
5. What types of objects may be a hazard to an unmanned aircraft?
- a. People on the ground
  - b. Trees
  - c. Electrical Wires
  - d. Other aircraft
  - e. **All of the Above**
6. What document is used before and after flight to determine if the mission can and has been flown safely? Pre-flight/Post-flight checklist
7. What factors will always prohibit a person from serving as any sUAS crewmember?
- a. Consumption of any alcoholic beverage within the preceding 8 hours
  - b. Under the influence of alcohol
  - c. Has a BAC of .04% or greater
  - d. Is using a drug that affects the person's mental or physical capabilities
  - e. **All of the Above**
8. As long as a mission begins prior to sunset, it is permitted to continue after dark.
- a. True
  - b. **False**
9. The UA begins to drift beyond visual line of sight. The visual observer should:
- a. Wait to see if it comes back
  - b. **Notify the PIC immediately**
  - c. Wait until it is completely out-of-sight, then notify the PIC
  - d. Do nothing
10. Which government entity is responsible for the National Airspace, thus making it responsible for the safe operation of unmanned aircraft? FAA

Name: \_\_\_\_\_ DSN: \_\_\_\_\_