

# Salinas Aerial Support Unit

## August 9<sup>th</sup>, 2022 Training Lesson Plan

S. Sparks



**Location:** Salinas Sports Complex

**Description:** On 8/9/22, officers assigned to the Salinas Police Aerial Support Unit will meet at the Salinas Police Department. The training will consist of group discussion regarding what has been successful and what has been challenging for the unit and its officers. The purpose of this training will be familiarization the National Institute of Standards and Technology (N.I.S.T.) standardized testing process. The NIST testing method will become the yearly qualification standard for SPD drone pilots.

### **Materials**

**Needed:** *Student*

Officers assigned department UAV's

### **Materials**

**Needed:** *Instructor*

N.I.S.T. recommended training aids.  
SPD UAV'S

## **Course Description and Objectives**

The goal of this course is to familiarize SPAS pilots with the the National Institute of Standards and Technology (N.I.S.T.) standardized testing process.

Pilots will preform a series of maneuvers utilizing N.I.S.T. recommended training aids. This exercise is meant to improve UAV maneuvers through FPV flight as well as developing FPV video/photography skills.

**Safety Plan:** All pilots onsite are responsible for safety. If anyone feels there may be a potential safety hazard during a training exercise, that person is to stop the exercise by yelling “Stop mission flight” and point out the safety problem.

## **N.I.S.T. Based Training**

### **Exercise 1**

Utilizing the N.I.S.T. recommended training aids, students will fly the following course,

- Takeoff and hover at 6’
- Fly forward to Station 1
- Upon reaching Station One 1, center the target in bucket 1A via FPV and photograph it.
- Center the target in bucket 5A via FPV and photograph it.
- Gain altitude of 12’ so Station 2 is in view
- Center the target in bucket 2A, while hovering over Station 1, via FPV and photograph it.
- Flying forward to Station 2 and center target in 5B and photograph it.
- Rotate UAV while still over Station 2 so bucket 3A target is in view and photograph it.
- Decrease altitude to 6’ and maneuver so bucket 3B is in view and photograph it.
- While maneuvering in a figure eight pattern, pilots will locate targets in buckets 2B, 3A, 2A and 3B.
- Pilots will return to launch location and land.

### **Exercise 2**

Exercise 1 listed above with Station 2 now being elevated by being placed atop a patrol SUV.