

Salinas Aerial Support Unit

May 3rd, 2022 Training Lesson Plan

Muscutt/Parker



Location: Current and former Salinas Police Department buildings.

Description: On May 3, 2022, 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 UAV Operators. The purpose of this training will be hands-on training with assigned UAVs, UAVs for indoor searching, and the Matrice 300. Training will emphasize line of sight orientation utilizing multiple spotters and familiarization with the role of "Air Boss" during outdoor exercises. It will also include familiarization with the waypoint and tracking features of the Matrice 300. There will be an emphasis on UAV control while utilizing the tracking feature.

Materials

Needed: *Student*

Officer assigned department UAV's

Materials

Needed: *Instructor*

Unmarked Vehicle
Assigned Mavic
DJI Matrice UAV
DJI Mini's

Course Description and Objectives:

The goal of this course is to familiarize SPAS pilots with Matrice's waypoint and tracking capabilities as well as the role of "Air Boss" by participating in a multiple UAV scenario.

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.

Indoor flight and searching

Exercise 1

Utilizing DJI Minis, pilots will fly indoor search missions at the indoor training site (former SPD building).

Outdoor Searching

Exercise 2

Utilizing the Matrice 300 and assigned Mavic Enterprise 2s, officers will take part in a scenario utilizing multiple UAVs and an "Air Boss". Officers will coordinate and communicate how to best utilize SPAS UAVs for a scenario involving an armed subject. A pilot will be designated "Air Boss" and will be responsible for assigning roles, communicating intent/execution, and maintaining separation between multiple UAVs assigned to various tasks.

The scenario will involve an armed and wanted subject, who is refusing to exit a vehicle. The "Air Boss" and UAV Operators will coordinate the necessary UAVs to be used and how to best utilize them for the scenario.

Exercise 3

Utilizing the Matrice 300's tracking and waypoint capabilities, Officers will demonstrate the ability to assign multiple waypoints and to navigate to each waypoint assigned.

Closing

Team discussion and clarification on the new battery rotation and documentation. We will also inspect all batteries and aircraft for wear and tear or any damage.