

SAVANNAH POLICE DEPARTMENT UAS Program Overview

Project Manager:

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What is a UAS?

- UAS stands for: Unmanned Aircraft System
- Describes the complete system to include the aircraft, controller, and the link between the two
- UAS is not capable of direct human intervention from within or on the aircraft
- sUAS: weighs more than 0.55 lbs and less than 55 lbs including payload
- The devices used by SPD will be classified as sUAS

Benefits

- The Savannah Police Department anticipates that the use of UAS's will allow us to provide better, more efficient services in specific types of incidents.
- UAS's can be deployed quickly by trained personnel
- UAS's are more cost effective than other aviation options
- UAS's can be used in areas, and situations where traditional aviation may not be the best option

Devices

- DJI Inspire 1 2.0
- Will be utilized to photograph crime scenes, and major accident scenes. Primarily will be operated by the Forensic Unit.
- Equipped with a professional style camera that allows 360 degree aerial photography which may significantly reduce the time it takes to properly document crime scenes and major accidents.



Devices

- DJI Matrice 210
- Professional grade device that is weatherproof
- Will be equipped with a standard camera and FLIR .
- Used for search and rescue missions, and other tactical applications



Devices

- DJI Mavic Air
- Will be used by SWAT for tactical operations



Pilot Training

- Pilots are authorized to fly sUAS by the FAA under two conditions:
- Part 107 Certification
- Flying under a Certificate of Authorization (COA)
- The Savannah Police Department will require pilots to meet both standards.
- The department will have FAA approved COA's which will outline the parameters in which we can operate
- Pilots will also be required to attend formal training to prepare them for the Part 107 Certification test.

Pilot Training cont.

- Pilots will be required to conduct monthly training flights
- They will be required to attend annual training that reviews:
 - Department Policy
 - COA
 - State and Federal Law regarding sUAS operations
- These training requirements take into account the expectation that laws and regulations that impact sUAS operations will continue to evolve and we recognize the need to have a system in place to ensure that we maintain strict compliance with all laws, rules, and regulations that address sUAS operations.

Pre-Approved Missions

- The sUAS Team Leader must approve all missions including:
 - Monthly training flights
 - Search and rescue missions for elderly, juvenile, or endangered persons
 - Tactical Operations
 - Crime Scene Processing
 - Major Accident Investigations
 - Post Incident Assessment/Evaluation (Weather related, Mass Casualty)
 - Special Event Public Safety Assessments (Races, Festivals, Public Gatherings)
- All missions must comply with the parameters set forth in the COA approved by the FAA

Prohibited Uses

- sUAS owned and operated by the Savannah Police Department will NOT be utilized for any of the following:
 - Random Patrol or surveillance
 - Will not be equipped with any lethal or non-lethal weapons
 - sUAS's will not be operated in conditions or in situations that interfere with the ability to safely operate the device

Documentation

- A formal policy has been drafted and will be approved before sUAS operations begin
- The policy will cover approved uses, prohibited actions, pilot and observer training requirements, and other specific requirements regarding the safe and effective use of sUAS's
- Every device will have a flight log
- Accurate flight and training records will be maintained
- Every time an sUAS is used for an actual mission, the operators will complete a report

QUESTIONS?

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