



Sheriff's Citizens Advisory Board Meeting Minutes February 14, 2022

Attendees:

Jeff Welton (SCSO)
Charles Parker

Leigh O'Neill
JT Ramsey

Kenenth L. Winn
Jon Nelson

Skip Johnson
Mike Davisson

The meeting was called to order at 5:39 PM

The minutes of January 10, 2022 were approved.

New Business:

Spokane County Regional Air Support Unit (SRASU) Presentation by Corporal Jeff Welton (25+ years in Law Enforcement, 21 Years with SCSO)

- Why UAS:
 - Hostage incidents, officer &/or suspect safety
 - Time, distance, & shielding
 - Situational awareness
 - Communication ability
- Cost:
 - Grant funding
 - Sheriff's Office funding
- Training Standards
 - Part 107 Certification and Ground School
 - National Institute of Standards and Technology (NIST)
 - Monthly (~10 hours) ASU Training (Additional UAS training, SWAT, K9, EDU, etc.)
- FAA Part 107 Ops
 - Class G Airspace Operations
 - 400 feet maximum above ground level (over structures)
 - Controlled airspace
 - Visual line of sight
 - Day or night
 - 500 feet below ceiling (clouds)
 - Any mission
 - 3 statute miles of visibility
- FAA Certification of Authorization (COA)
 - Spokane County Jurisdictional COA
 - Up to published minimum in controlled airspace
 - Notice to Air Missions (NOTAM)
 - Tactical beyond visual line of sight (lifesaving)

- Special Government Interest (SGI) Waiver
 - 24-hour hotline
 - Washington DC
 - Need to fly above published minimums
 - Temporary flight restrictions (TFR)
 - Must hold Part 107 or COA
- Low Altitude Authorization and Notification Capability (LAANC)
 - Part 107 Certificate holder
 - Air map, ALOFT cellphone applications
 - Received immediate daytime, nighttime authorization
 - Must be flying at or below UAS facility map maximum altitudes
 - Airport must be LAANC capable
- Missions
 - Air support (Patrol, SWAT, Explosive Disposal Unit, Civil Disturbances, Disasters, Fires, Search & Rescue, etc.)
 - Daytime FLIR (thermal) and zoom camera capabilities
 - Crash and crime scene diagrams
 - Pix4D capture & mapping
 - 3D point clouds scaled diagrams
- 2021 Callouts
 - 87 callouts in 2021
 - 185 callouts since inception in 2018
 - 23 Patrol
 - 20 SWAT
 - 19 Other Agencies
 - 16 Traffic
 - 8 Major Crimes
 - 1 SAU (Sexual Assault Unit)
- DJI Matrice 210
 - 2018
 - Dual gimbal
 - 30–35-minute flight time
 - Weather resistance
- DJI Inspire 1 Pro
 - Single gimbal
 - Not weather resistant
 - 15–20-minute flight time
 - Ability to drop items
 - Pix 4D
- DJI Mavic 2 Enterprise Advanced
 - Small
 - Light weight
 - Quick deploy
 - Dual cameras (zoom & thermal)
 - 20-22 minute of light time
- DJI M300 (coming soon to SCSO)
 - 55-minute flight time
 - Weather rated
 - All in one camera
 - Dual batteries

- BRINC LEMUR S – Indoor UAS (coming soon to SCSO)
 - “The Flying Cellphone”
 - IR technology
 - Carbon fiber
 - Push open doors
 - Rights itself
 - Window breaker attachment
 - 10-hour perch time
 - 30-minute flight time
 - Grants for 2 (~\$35K)
- Policies and Procedures
 - Air Data
 - All flight data is recorded and stored
 - Flights
 - Crews
 - Locations
 - Case
 - Purpose
 - UAS battery & performance
 - Risk
 - Preflight risk analysis
 - Airspace consideration
 - Flight Authority
 - Weather
 - Mission Type
 - Hazards
 - Privacy
 - Public areas
 - Private areas
 - Search warrants
 - Exigent circumstances
 - Hot Pursuits
 - No random surveillance of citizens
 - All videos and phone evidence uploaded to Axon
 - UAS flights reports to the public (Sheriff’s website)

CAB REMINDER: If you are unable to be at a meeting, please let Leigh know.

March Meeting:

- Pepper Gun Presentation

Meeting adjourned at 7:25 pm.

Next Meeting:

March 14, 2022

5:30pm – 7:30pm

Location: CenterPlace at Mirabeau Point Park (2426 N. Discovery Place Spokane Valley, WA 99216)

Minutes Submitted by

Leigh O'Neill, Secretary