

PSURTNTX UPDATES

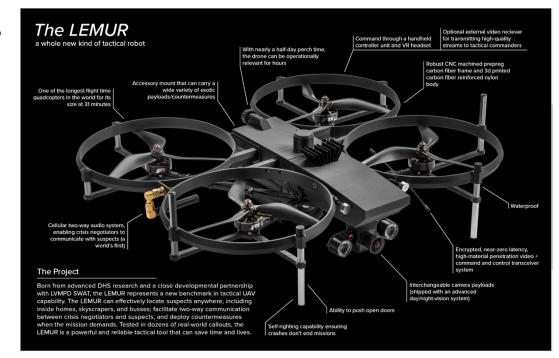
Travis Calendine tcalendine@littleelm.org

UPDATES:

- Brinc Drones LEMUR Demo
- Incident Global Area Network (IGAN Fusion)
- DJI AIRWORKS 2020
- DRONERESPONDERS: The Five C's, The Principles on the Responsible Use of Drones by Public Safety Agencies
- First Responder Tactical Beyond Visual Line of Sight (TBVLOS) 91.113
 Waiver Guide

Brinc Drones LEMUR DEMO

- Designed for SWAT operations
- 31 min flight time
- Interchangeable sensors
- Durable
- Encrypted
- Cellular communications
- No Apps
- Made in the US.



Incident Global Area Network (IGAN) Fusion

- Live streaming multimedia system for multiple industry applications.
- Able to connecting all assets, including: drones, phone cams, body cams, bomb robots, video feeds, and 2-way radios with sub-half-second latency highquality video streaming.
- https://www.cytta.com/iganmatrix/



Drone live stream kit. A small, lightweight unit that connects to our incident command system to live stream UAS with 2-way comms and sub half second latency to a HD touch screen on Windows 10 OS. The Credit card sized PC is made in the USA, embedded in a rugged 4 lb case. 1 HDMI input. 1 HD/SDI BNC option available Connections: 4 USB 2.0 - 1 USB 3.0 - 1 RJ45 - 110 A/C - 12V DC adapters - battery option available

DJI AIRWORKS 2020

- PSURTNTX presentations
 - Developing a Regional Unmanned Response Team: Public Safety Unmanned Response Team North Texas
 - The Integration Gap with Unmanned Systems during Emergencies and Disasters.

DRONERESPONDERS: The Five C's, The Principles on the Responsible Use of Drones by Public Safety Agencies

- DRONERESPONDER
- Best Practice for public safety agencies to start and keep their UAS program
- Five C's
 - 1. Community Engagement and Transparency
 - 2. Civil Liberties and Privacy Protection
 - 3. Common Operating Procedures
 - 4. Clear Oversight and Accountability
 - 5. Cybersecurity



https://www.droneresponders.org/the-five-cs

First Responder Tactical Beyond Visual Line of Sight (TBVLOS) 91.113 Waiver Guide

- FAA Authorized
- Collaboration with the FAA, DRONERESPONDERS, and other public safety agencies.
- Wavier example.
- Used for extreme emergencies and must meet specific conditions.

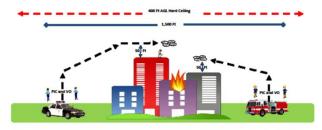


First Responder

Tactical Beyond Visual Line of Sight (TBVLOS)

91.113 Waiver Guide

Background: In a time of extreme emergencies to safeguard human life, first responders require the capability to operate their unmanned aircraft (UAS) beyond visual line of sight (BVLOS) to assess the operational environment such as a fire scene at a large structural fire, to conduct an aerial search on a large roof area for a burglary in progress, or to fly over a heavily forested area to look for a missing person (see diagram below for a visual perception). To support public UAS operators acting in an active first responder capacity, the FAA may approve "First Responder Tactical Beyond Visual Line of Sight" (TBVLOS) wasters to 14 CRP 91.113(b).



These temporary BVLOS flights are flown to both reduce risk to first responders and to ensure the safety of the communities they serve. The FAA will issue in advance, upon receipt of a complete and accurate application, a 14 CFR 91.113(b) waiver that will allow temporary UAS TBVLOS operations within specific conditions and requirements as described in the information below:

- ☑ The First Responder must <u>already</u> be flying under a valid Part 91 Certificate of Authorization.
- ☐ TBVLOS is only to be used in extreme emergency situations to safeguard human life.

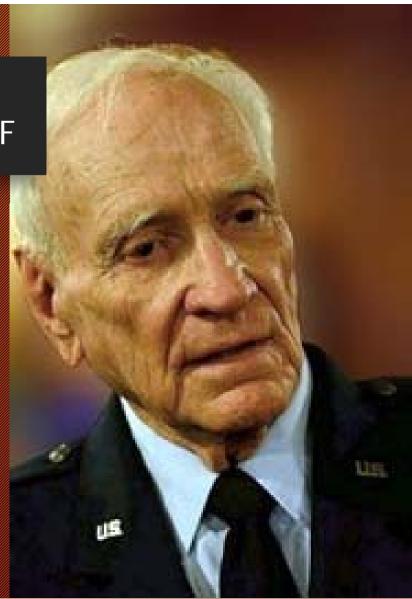


www.auvm.net

Caddo Mills Municipal Airport

OUR FOUNDER LT COL HAROLD F (Red) SMITH RET USAF

- · BS, Aeronautics and Aerospace, University of Colorado
- MS, Engineering Administration, SMU
- Professional Engineer
- Retired from USAF after 29 years as Chief of the Operations Support Branch of the Drone/RPV System Project Office
- Legion of Merit, Bronze Star, Meritorious Service Medal 2x, USAF Commendation Medal, Vietnam Campaign Medal with five battle stars
- Recognized by NARPV for his contribution to the unmanned community and similarly recognized by the Air Force Association
- Associate Fellow in the American Institute of Aeronautics and Astronautics (AIAA)
- Life Member of the Air Force Association (AFA)
- Founding Member of the current AUVSI and second National President



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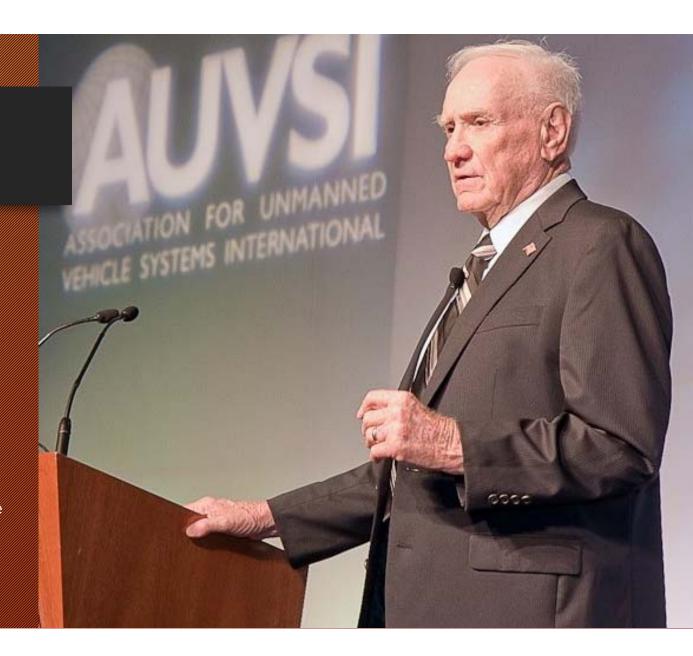
The Museum's collection of drones was a 40-year endeavor...

Red's personal mission to preserve the historical beginnings of the drone movement and its significance to it's modern day counterpart

He used to call it infancy work. He was very proud of the successful arming and target deployment of the first drone strike because he knew the future of military combat would save lives.

ASSOCIATION FOR UNMANNED VEHICLE SYSTEMS INTERNATIONAL

- Founding member
- Began as the National Association for Remotely Piloted Vehicles (NARPV) in 1972
- 2nd President of the association
- 1982, headquarters moved to Washington DC
- Quickly became an international organization and renamed to the AUVSI
- Keynote speaker at the 2012 National Convention in Las Vegas
- Authored a book about the historical significance of the Reconnaissance Firebee drone project missions "Lightning Bug."



Hosting Lone Star AUVSI Drone Fly-In

- Sunday, August 30
- 9 a.m. 2 p.m.
- Aviation Unmanned Vehicle Museum
- Caddo Mills Municipal Airport
- Free registration on Eventbrite
- Mandatory masks per the governor's mandate, thermal screening and sanitation station



OUR MISSION

- Our mission is to ACQUIRE, PRESERVE, EDUCATE.
- To ACQUIRE drones from our past and present to have on static display.
- To PRESERVE the humble beginnings of the drone movement.
- To EDUCATE the public of the importance of this vital part of our history.

OUR GREATEST NEED

We are looking for like minded partners that believe in the importance of our mission to want to help support our endeavor and ensure its future.

- HOW CAN YOU HELP?
 - Sponsorships
 - Memberships
 - Donations
 - Event Hosting
 - Volunteer Opportunities

We do not receive public assistance to operate the museum. Every donation goes directly to help further the mission of the museum.

We are a 501(3)(c) Non-Profit Museum

OUR EXHIBITS

- Radioplane
- Northrop Grumman
- Teledyne Ryan
- Righter
- McCulloch
- Boeing
- Lockheed
- Gyrodyne
- Beechcraft
- Meggett

Radioplane OQ-2 Radioplane OQ-3



Northrop KD2R5



Ryan Firebee BGM-34B Attack & Multimission RPV



Gyrodyne DASH QH-50



Lockheed X-7A



Culver PQ-14 Cadet



Beechcraft MQM-61 Cardinal



Beechcraft AQM-37 Jayhawk



Northrop BQM/MQM-74 Chukar

