

# Public Good and Safety Use Cases Working Group

Texas AAM Committee

Meeting #1, February 15, 2024

# Agenda

- Opening remarks
- Housekeeping
  - File sharing
  - Working group operations
  - Committee overarching goal
  - Potential use cases
- Flesh-out use cases
- Next meeting date
- Closing remarks

# File Sharing

- 6 Texas AAM Committee SharePoint folders
  - General (additions reserved for Chair, Vice Chair, and TXST team)
  - Community Integration
  - Economic Impact
  - Funding
  - Infrastructure
  - **Public Good and Safety Use-Cases**
- Announcement email with a SharePoint link sent for any addition
- Email us at [innovate@txstate.edu](mailto:innovate@txstate.edu) for questions about file access

# Working Group Operations

- You can vote on final recommendations if
  - You are a full committee member AND
  - You attend 3 out of 5 working group meetings
- Email group lead Jason Day ([jason.day@dps.texas.gov](mailto:jason.day@dps.texas.gov)) with research requests and they will forward requests to TxDOT and TXST

# Topics

Overarching goal: Enhance Texas' leadership in AAM by **developing recommendations for the Texas Legislature** to accelerate and support the community integration and use of AAM (i.e., both crewed and uncrewed aircraft) in the State of Texas.

- Organizations: Law enforcement, fire, medical (emergency and non-emergency)
- Use-cases: disaster response, accident response, etc.

# Flesh-out Use Cases

# Potential Use Cases

- Public safety
  - Fire
  - Police
  - EMS
  - Disaster response
- Airspace deconfliction
  - Develop mechanisms for the state
- Community engagement
  - Raise awareness for the public about AAM updates in Texas
- Workforce development
  - STEM programs
  - Leadership academies

# Potential Use Case - Fire

- Scenario: fire management
- Players: Austin fire dept. is a big user
- Location: Urban, suburban, rural, all
- Benefit: increased efficiency, drones are better at pushing out information, less personnel is needed with unmanned aircraft



# Potential Use Case – Disaster Response

- Scenario: hurricane response
- Players:
- Location: Urban, suburban, rural, all
- Benefit: drones can manage situational awareness instead of rescue helicopters doing it, use package delivery drones to send aid equipment and resources
- Barriers: education of the public and other agencies

# Next Meeting Dates

Public Good/Safety Meeting 2: **March 21**, 10:00 am – 12:00 pm

Full Committee Meeting: **March 27**, 9:00 am - 12:00 pm