



Texas Advanced Air Mobility Committee Meeting

January 24, 2024

Housekeeping

All full and subcommittee meetings will be recorded, and recordings will be posted on TxDOT's website.

Please remember to identify yourself before speaking to aid transcription.

Full Committee Meeting 1 Summary

December 14, 2023

Key points

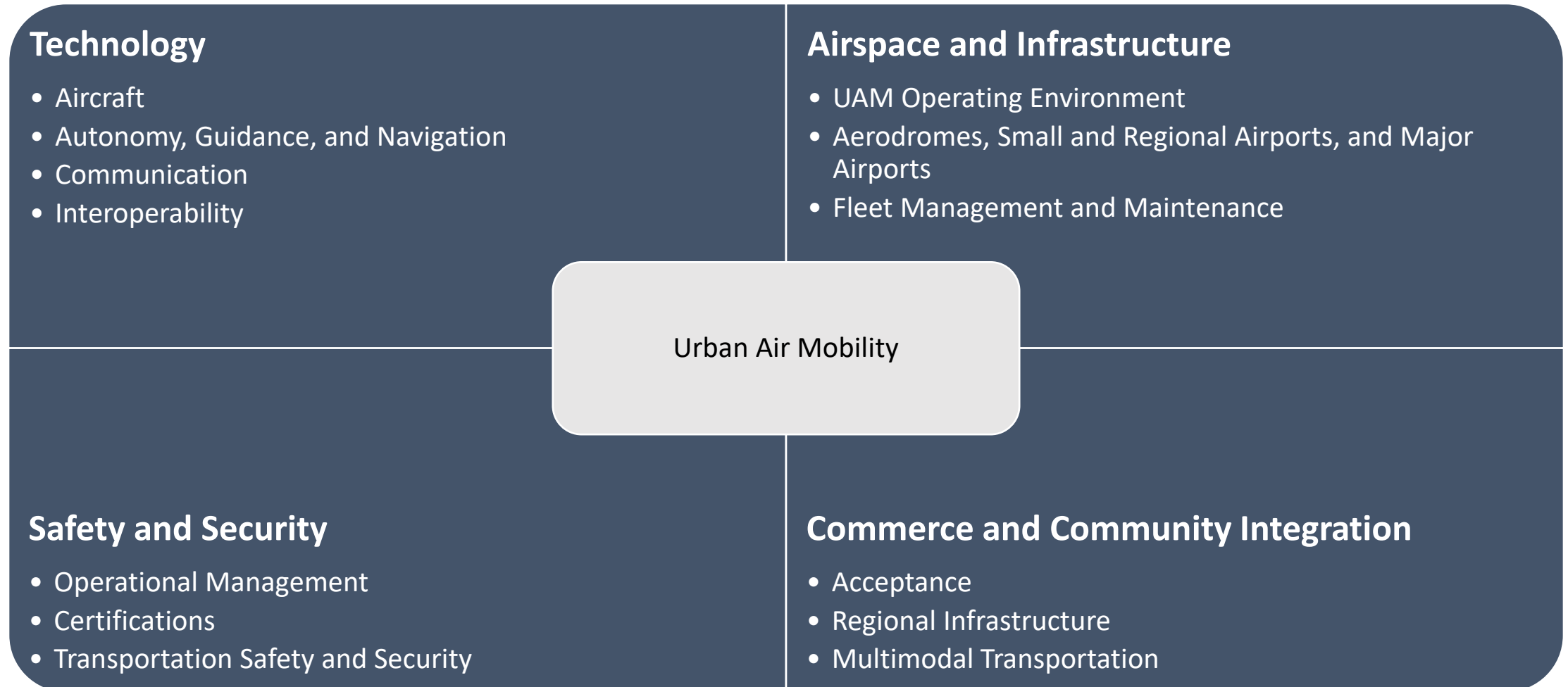
- Dan Dalton elected Chair
- Michael Sanders elected Vice Chair
- Full committee will meet quarterly
- Subcommittees will meet more frequently

Key project milestones*

Date	Milestone
January, April, July	Committee meetings
February, March, April, May	Subcommittee meetings
August 1, 2024	Draft recommendations to TxDOT
September 1, 2024	Finalize recommendations
October 1, 2024	Recommendations to Legislature

* Dates subject to change

Previous UAM Subcommittee Structure



Proposed AAM Subcommittee Structure

Proposed by the Chair

Infrastructure

- Physical (e.g., airports, vertiports, electricity)
- Digital (e.g., UTM/PSU)
- Airspace (i.e., integration)

Public good/safety use-cases

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

Community integration

- Public education, outreach, and acceptance for ground- and air-communities
- Public entity support (e.g., resource provision to TX public entities on zoning, permitting, coordination with public works and planning groups, etc.)

Economic impact

- Manufacturing, workforce development, training

Funding

- State-level opportunities, State-organization (e.g., TxDOT) opportunities, other opportunities (e.g., Federal, Public-Private Partnerships: How could Public Private Partnerships be used to support the advancement of AAM?)

Previous Technology

Recommendations

1. Encourage the development of an UAM/AAM sandbox by:
 - a) Directing the preparation of a feasibility study to understand the market, differentiating factors from similar existing facilities, potential market/players, funding sources, revenue opportunities, locations, necessary digital and physical infrastructure, and potential use cases;
 - b) Pursuing the development of a facility that will provide opportunities for testing and commercialization that will attract business and move the industry and state forward;
 - c) Having the State take the initiative to work with industry to determine additional standards in terms of communications, technology, and environmental awareness systems to encourage consistency and harmony at all levels of government and stakeholders.
2. Consider the initial funding for a UAM/AAM Sandbox Feasibility Study and ultimately its development along with an incentive program to attract industry with the ultimate objective of using user fees to fund the ongoing operations and maintenance of the sandbox.
3. Encourage state agencies to adopt a technology-neutral/open architecture approach to the UAM/AAM industry to allow easier adoption of new technologies and deployment into new regions.
4. Identify areas where technology will drive standardization.

Previous Airspace and Infrastructure

Recommendations

1. Provide consistency across Texas law by creating statutory uniformity and standard definitions pertaining to unmanned aircraft operations and UAM/AAM.
2. Develop an UAM/AAM-centric research facility to test and evaluate technology, provide data collection opportunities, and coordinate with federal entities to share information and help guide data-driven public policy. The Texas Legislature is encouraged to consider the benefits of state funding for the successful development and operation of this facility.
3. Develop a statewide plan, or integration within the Texas Airport System Plan, that addresses the potential locations for and classifications of vertiports and other associated infrastructure to help define the future operational environment of UAM/AAM.
4. Direct the state to work with municipalities to provide technical assistance to local governments in adapting and integrating UAM/AAM in their communities.

Previous Safety and Security

Recommendations

1. In collaboration with the appropriate federal entities, the state will work to encourage the development of minimum standards/safety management systems for vertiport operations including passenger and goods movements and ground infrastructure.
2. Extend the work of the UAM Advisory Committee beyond the sunset date of January 1, 2023, to continue working in key areas of this emerging and quickly evolving industry in order to remain responsive to the needs of Texas and ensure Texas' role as a leader in this industry.
3. Recommend Texas law does not conflict with federal law.
4. Encourage the Legislature remain an active participant in UAM/AAM as the industry and technology will outpace current regulations and enable the appropriate state agency to lead and manage the regulatory concerns.
5. Direct the TxDOT to review existing state aviation standards and guidelines, airport facility planning, and compatibility guidance to ensure they apply to UAM/AAM.
6. Support the development of standardizations at the federal level and within industry as technology develops/changes so safety is prioritized as the technology matures.
7. Encourage state-level cooperation with local governments to ensure appropriate preparation, training, and safety practices associated with vertiport operations including law enforcement, fire service, and emergency medical services associated with traditional aviation and AAM aircraft operations.

Previous Commerce and Community

Recommendations

1. Direct all law enforcement and first responder agencies to adopt education and training recommendations as identified in Unmanned Aircraft: Responding to and Recovering from Disasters (State of Texas, November 2020), a report born out of House Bill 2340 (86R, 2019), establishing a small unmanned aircraft study group for a statewide response team.
2. Extend the operation and activities of the UAM Advisory Committee to continue addressing the current and future issues associated with these emerging technologies in this quickly evolving industry to maintain Texas' economic competitiveness and create economic development opportunities.
3. Create a statewide primary point of contact to direct UAM/AAM workforce development efforts, lead public awareness and education efforts, and collaborate with local, regional, state, and federal entities to encourage more input and participation.
4. Direct the State to provide resources and assistance on the use of UAM/AAM technology infrastructure for cities, local and regional governments, transportation planning organizations, other entities, and industry to better identify what the different levels of government can do to integrate industry innovation and community vision and help promote UAM/AAM technology.
5. Direct the appropriate state agencies to jointly collaborate with local school districts, higher education institutions, and any interested private and/or public stakeholders on educational opportunities related to UAM/AAM technologies.

Proposed AAM Subcommittee Overarching Goal

Proposed by the Chair

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.

Infrastructure

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.

Lead Facilitator: Cade Clark // **Vice Lead:** Mark Ozenik

Next Meeting Time: February 8, 2024 @ 10 AM CST

Discuss topics of interest

- Physical (e.g., airports, vertiports, electricity)
- Digital (e.g., UTM/PSU)
- Airspace (i.e., integration)

MEETING DATE SUBJECT TO CHANGE

Public good/safety use-cases

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.

Lead Facilitator: Jason Day

Next Meeting Time: February 15, 2024 (tentative)

Discuss topics of interest

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

MEETING DATE SUBJECT TO CHANGE

Community integration

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.

Lead Facilitator: Jim Perschbach // **Vice Lead:** Amanda Nelson

Next Meeting Time: February 21, 2024

Discuss topics of interest

- Public education, outreach, and acceptance for ground- and air-communities
- Public entity support (e.g., resource provision to TX public entities on zoning, permitting, coordination with public works and planning groups, etc.)

MEETING DATE SUBJECT TO CHANGE

Economic impact

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.

Lead Facilitator: Cameron Walker

Next Meeting Time: February 21, 23, 29 (will send poll)

Discuss topics of interest

- Manufacturing, workforce development, training

MEETING DATE SUBJECT TO CHANGE

Funding

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.

Lead Facilitator: Ernest Huffman

Next Meeting Time: February 7, 10:30 AM CST

Discuss topics of interest

State-level opportunities, State-organization (e.g., TxDOT) opportunities, other opportunities (e.g., Federal, Public-Private Partnerships: How could Public Private Partnerships be used to support the advancement of AAM?)

MEETING DATE SUBJECT TO CHANGE

Subcommittee summary

Infrastructure

- Lead: Lead Facilitator: Cade Clark
- Vice Lead: Mark Ozenik
- Next meeting: February 8, 2024 @ 10 AM CST

Public good/safety use cases

- Lead: Jason Day
- Next meeting: February 15, 2024 (tentative)

Community integration

- Lead: Lead Facilitator: Jim Perschbach
- Vice Lead: Amanda Nelson
- Next meeting: February 21, 2024

Economic impact

- Lead: Cameron Walker
- Next meeting: February 21, 23, 29 (will send poll)

Funding

- Lead: Ernest Huffman
- Next meeting: February 7, 10:30 AM CST

ALL MEETING DATES SUBJECT TO CHANGE