



POTENTIAL TOPICS FOR NEW PROJECTS

Initial Study of Urban Air Mobility (UAM) in the Washington-Baltimore Region

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Introduction

“**Urban Air Mobility (UAM)** is a subset of Advanced Air Mobility (AAM). The AAM initiative aims to develop an air transportation system that moves people and cargo between local, regional, intraregional, and urban locations not previously served or underserved by aviation using innovative aircraft, technologies, and operations. While AAM supports a wide range of passenger, cargo, and other operations within and between urban and rural environments, UAM focuses on flight operations in and around urban areas. “

FAA, Concept of Operations v2.0, 2023



Topic Selection Process

- **Identifying a New Focus for the CASP Program**

The Aviation Technical Subcommittee (ATS) explored new topics for the CASP program to better incorporate modern technology and its impact on regional mobility.

- **Stakeholders Prioritize Urban Air Mobility (UAM)**

After careful review of various options, stakeholders have identified Urban Air Mobility (UAM) as the most beneficial and relevant area for research.

- **Initial Study of Urban Air Mobility (UAM) in the Washington-Baltimore Region**

This collaborative effort has led to the prioritization of a major first initiative: an "Initial Study of Urban Air Mobility in the Washington-Baltimore Region."



Initial Tentative Scope

To conduct a **comprehensive literature** review to establish a foundational understanding of the Urban Air Mobility (UAM) system.

- **Literature Review & Knowledge Synthesis**
 - Technology and Infrastructure
 - Operational Concepts
 - Regulatory and Policy Impacts
 - Socioeconomic Impacts
- **Real-World Case Studies**
 - Major U.S. Initiatives
 - International Examples
 - Pilot Programs & Partnerships



Next Steps

- **TPB Policy Alignment**

Ensure that the project's scope and development aligns with the TPB's overarching policy framework to secure approval.

- **FAA Regulatory Compliance**

Ensure that the project's design and execution comply with all current and future FAA regulatory standards.

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