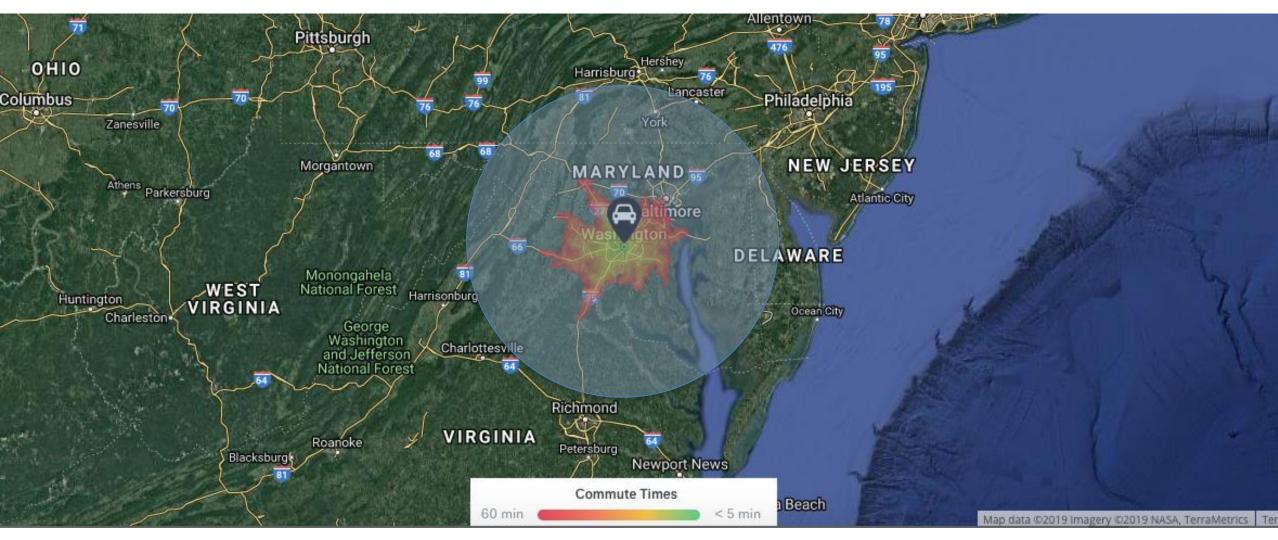




Aerial Reach – 30 Minute Journey





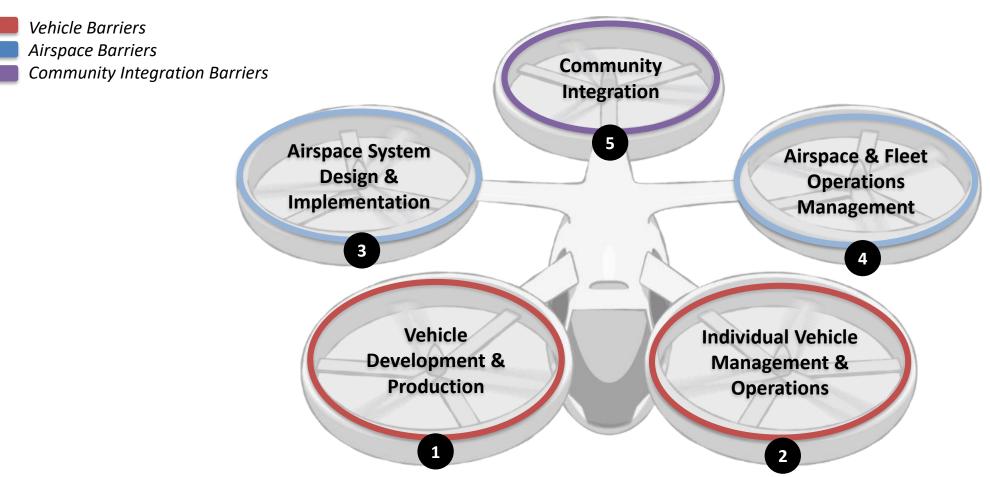
24 hr weighted average 60 minute driving commute Washington, DC.



Any time of day ~30 minute (~75mi radius) Aerial Commute Washington, DC.



UAM Vision and Framework

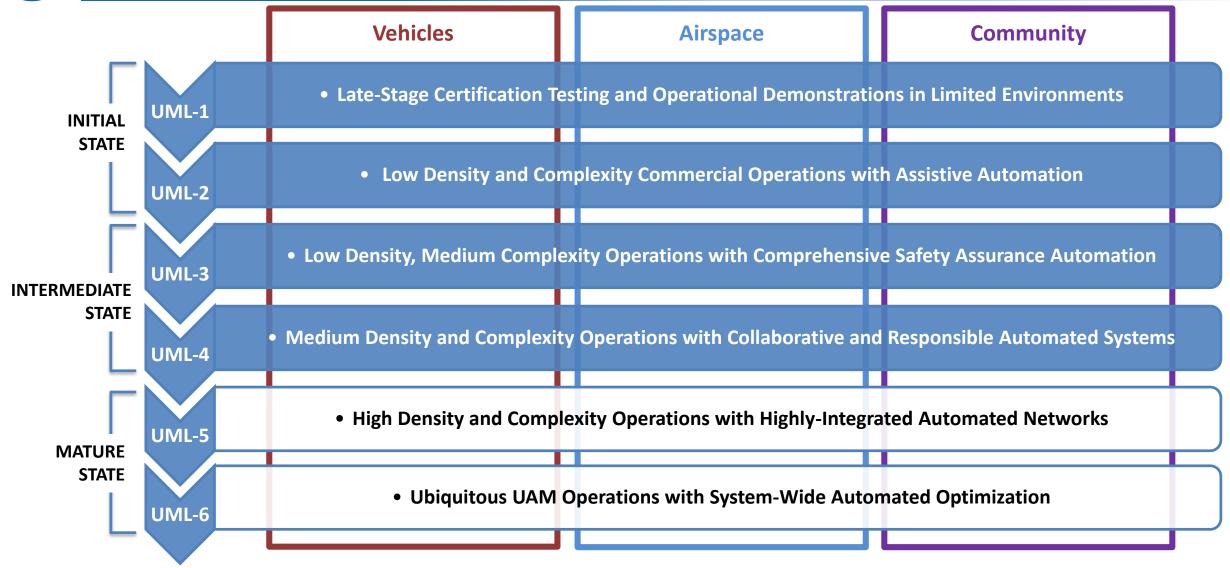


Urban Air Mobility (UAM) Vision

Revolutionize mobility around metropolitan areas by enabling a safe, efficient, convenient, affordable, and accessible air transportation system for passengers and cargo



UAM Maturity Levels (UML*) Relation to GC Series



UAM Framework and Barriers (GC Series Focus)



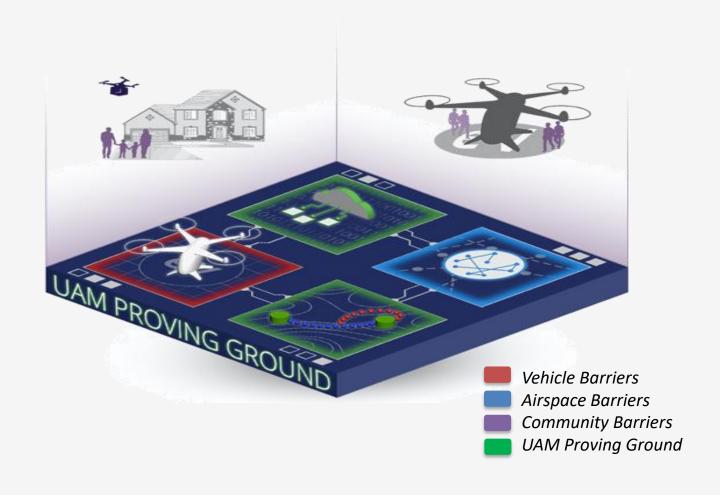
The Initial UAM "Grand Challenge"

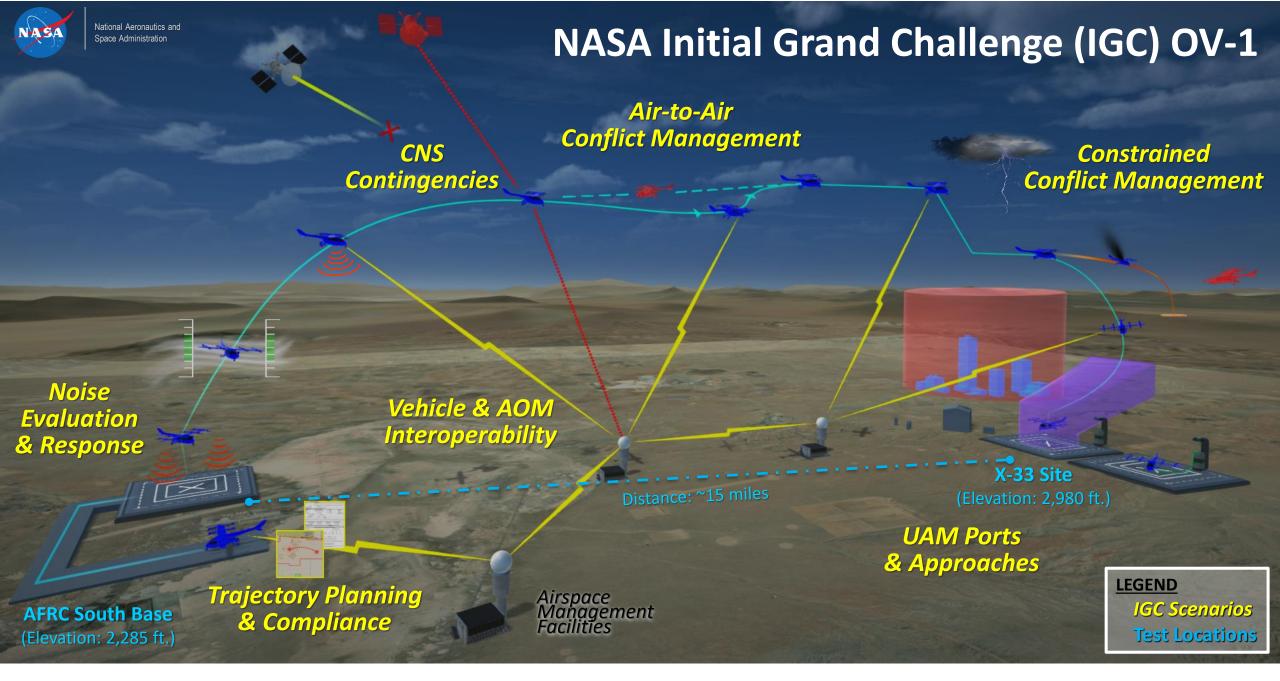
Goal

Support requirements and system development for scalable, commercial UAM through integrated demonstrations of realistic operational scenarios

Objectives

- 1. Accelerate Certification and Approval
- 2. Develop Flight Procedure Guidelines
- 3. Evaluate the CNS Trade-Space
- 4. Demonstrate an Airspace Operations Management Architecture
- **5. Characterize Community Concerns**





Note: IGC implementation leverages open range model; OV-1 specific to NASA range location