



Urban Air Mobility (UAM) Working Groups

Purpose

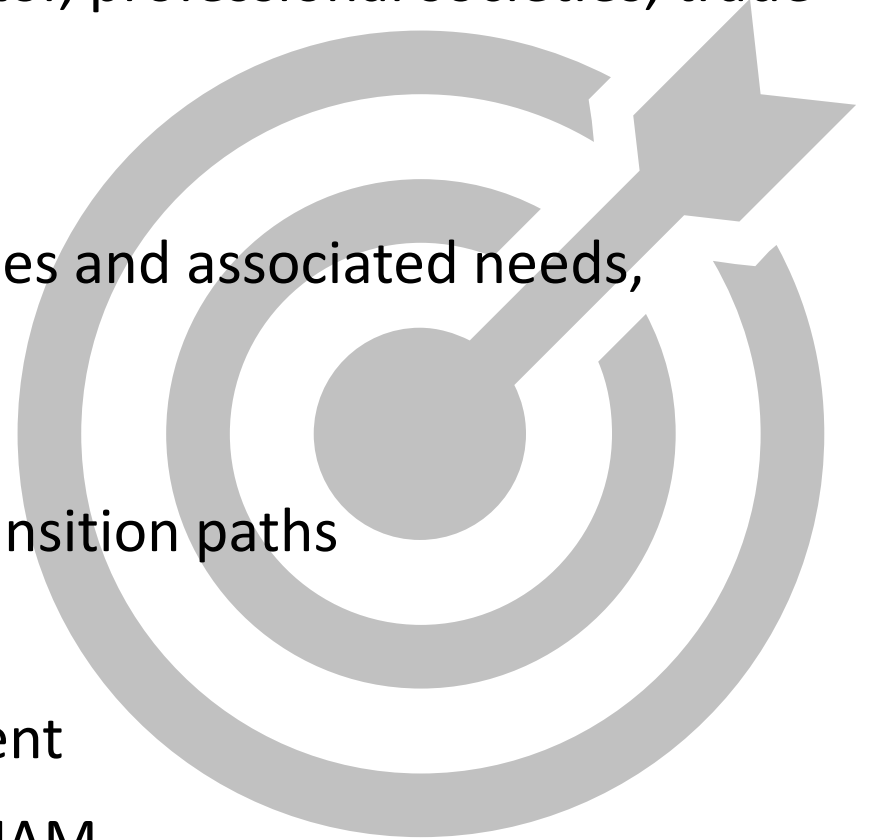
To accelerate the development of safe, high-volume UAM flight operations by bringing together the broad community involved in developing this new capability.



Goals

The working groups will bring together private sector, professional societies, trade groups, government and academia to:

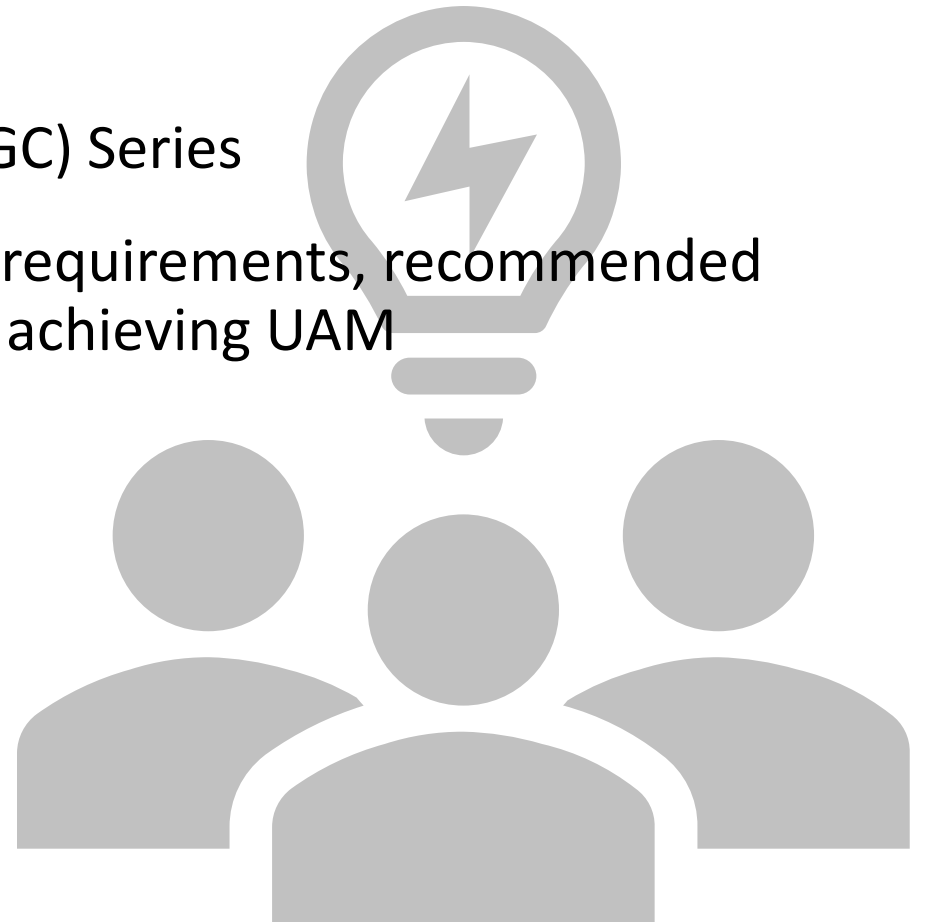
- Align on a common vision for UAM
- Collectively identify and investigate key hurdles and associated needs, including critical milestones and timelines
- Form collaborations
- Learn about NASA's research and planned transition paths
- Develop a "Book of Requirements"
- Support regulatory and standards development
- Adopt a strategy for engaging the public on UAM



Activities

The working groups will inform:

- Progressive goals for the Grand Challenge (GC) Series
- A “Book of Requirements” that will provide requirements, recommended practices, and other information helpful for achieving UAM
- Community and NASA R&D efforts
- Federal, local, and industry led initiatives





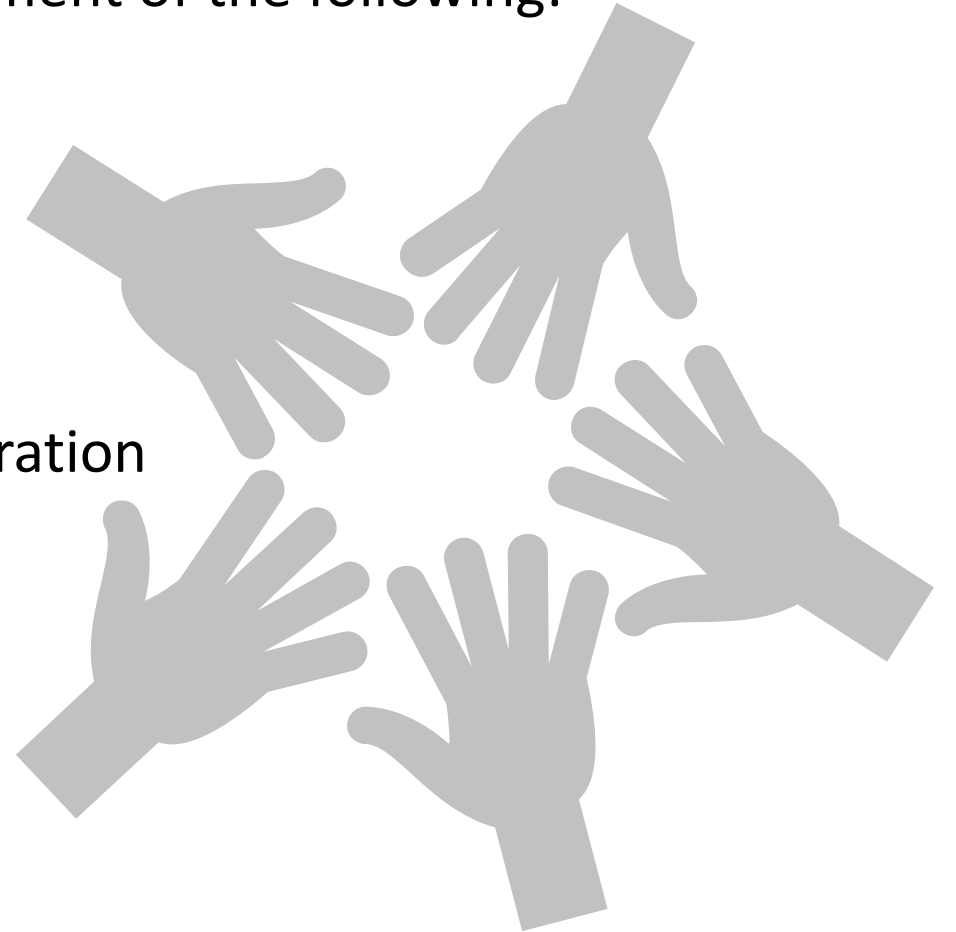
Execution

- Initial 2.5 day workshop in the Washington, DC area (March 10 – 12, 2020)
- Follow-on working group meetings will be a mix of virtual and in-person gatherings
- Seeking broad and diverse inputs, including from aircraft developers, infrastructure and airspace providers, and members of the broader community (government, venture capitalists, public interest groups, etc.)
- Meetings will function similarly to open workshops

Outcomes

The working groups will contribute to the development of the following:

- Book of Requirements
- Industry Scorecard
- Ecosystem-wide strategy
- Final Grand Challenge scaled urban demonstration





Scope

The working groups will be an ongoing forum for ecosystem collaboration to achieve medium density operations, including:

- 100s of simultaneous operations
- Expanded networks including closely-spaced high throughput vertiports
- Many UTM inspired ATM services available
- Simplified vehicle operations for credit
- Low-visibility operations

Industry proposed target for completion: 2028

Next Steps

- Register to participate in the working groups: <https://nari.arc.nasa.gov/aam>
 - Requires a brief explanation of your organization's overall interest, long-term vision, and potential contributions (1000 characters max.)
- Join us in the Washington D.C. area for the initial workshop (March 10 – 12, 2020)

