



## 2<sup>nd</sup> On-Demand Mobility and Emerging Aviation Technologies Roadmapping Workshop

# Workshop Objectives

**Ken Goodrich, Research Engineer, NASA Langley**

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# Objectives—More than Roadmap

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## ➤ **Community of interest**

- Expanded international participation

## ➤ **Shared vision for ODM and On-Demand Aviation**

- Operator participation (better understand market pull)

## ➤ **Continue roadmap development**

- Review and expand technology lists developed by workgroups
  - New participants and perspectives
  - Review other workgroups, identify shared & coupled activities
  - Coordinate technology data sheet completion

## ➤ **Identify early partnership and research opportunities**



## **Tuesday Morning: On-Demand Mobility Vision and Opportunities**

- Welcome and start-up
- ODM strategy, vision, & missions
- Professional and trade association
- FAA regulatory path overview
- Workgroup Updates

## **Tuesday Lunch: X-Prize Urban VTOL Air-Taxi Prize**

## **Tuesday Afternoon: Mission and Operator Perspectives**

- Fixed-wing, thin-haul Missions
  - Cape Air, Surf Air, ImagineAir
  - System studies and relevant current NASA investments
  - Scale-up turboprop mission
- Urban VTOL Air-Taxi Missions
  - NASA and MIT transportation studies
  - Close proximity noise acceptability
  - Scale-down Mission: UAS package delivery
  - Relevant current NASA investments

## **Dinner**

# Workshop Overview

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## **Wednesday Morning: Industry, International Research, and Breakouts**

- Industry perspectives
- international research organizations
- Workgroup breakout sessions
  - EP, SVO & Airspace, MISC
  - Single, 75 minute parallel session (no round-robin this time)

## **Wednesday Lunch: Go Fly 1-Passenger VTOL \$2M Prize**

## **Wednesday Afternoon: ODM Investment Leveraging**

- Workgroup breakout reports
- FAA investments
- NASA Strategic Thrusts
- DARPA Investments
- International Investments
  - PPlane
  - MyCopter
  - ElenSky
  - EASA EP Certification
- Closing discussion



➤ **The agenda is incredibly full & our time together precious**

➤ **Important to stay within time slots**

- Try to leave 5 minutes for questions
  - (When you ask a question, start with your name & company)
- I'll help keep track, I'll stand up with 5 minutes left
  - (...don't let me run on)
- Breaks, breakouts & dinner to extend discussions

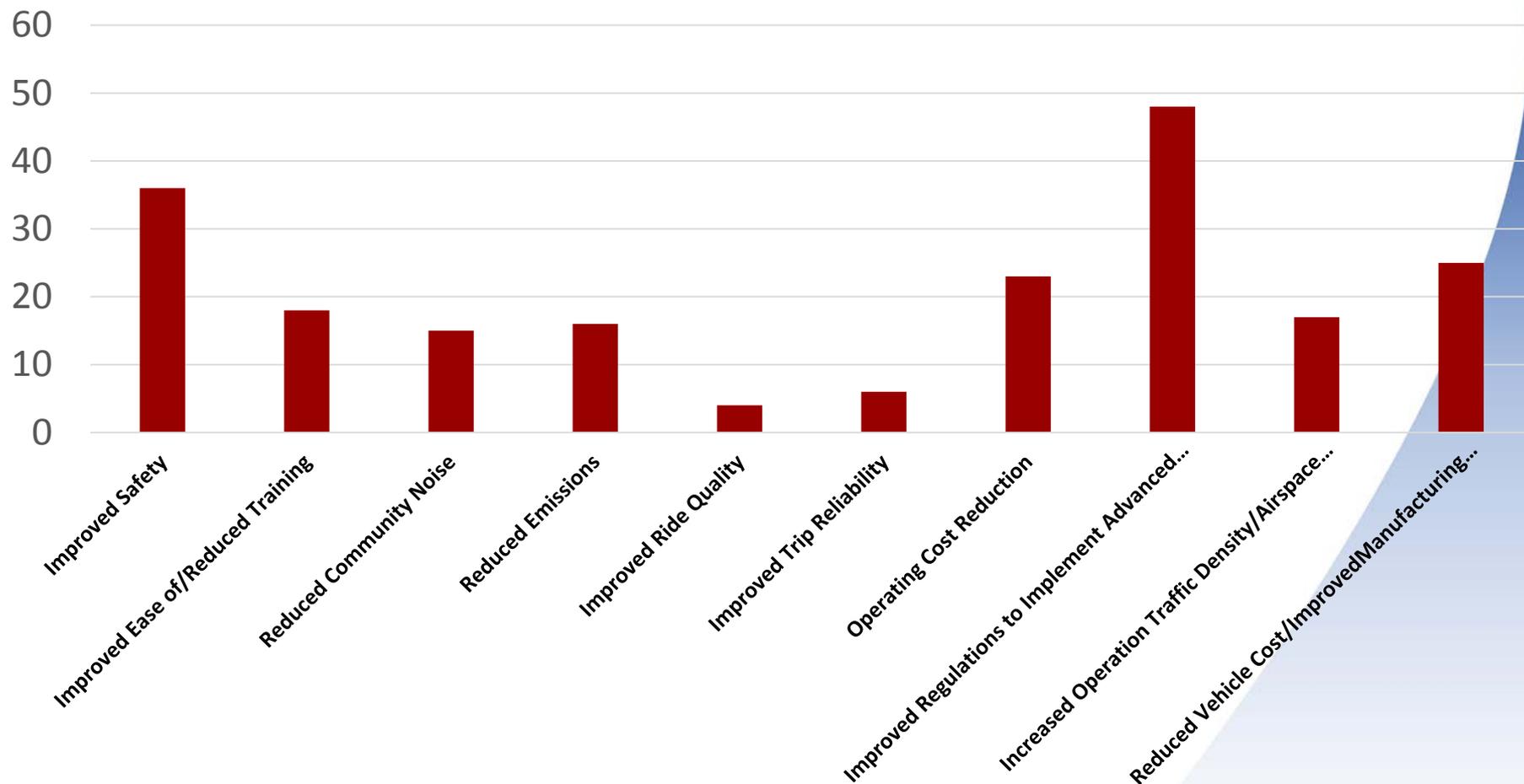
➤ **Strongly encourage you to present from central AV computer**

- If you haven't done so, get your slides to me
  - I'll consolidate for AV
  - Permission to include PDF version on website after workshop
  - Come early (7:30 am) if you want to check slides for Wednesday
- If you're going to run from own computer, podium only has VGA cable
  - Clock keeps running



**Questions?**

# Areas of Interest from Registration Survey



# Roadmap Elements



# Roadmap Elements, cont.



**Goals:** a clear and concise set of targets that, if achieved, will result in the desired outcome; quantified goals (e.g. “improve energy efficiency in commercial buildings by 25% in ten years”) provide the most specific guidance.

**Milestones:** the interim performance targets for achieving the goals, pegged to specific dates (e.g. “improve the energy efficiency of commercial buildings by 2% per year during the next five years without slowing economic growth”).

**Gaps and barriers:** a list of any potential gaps in knowledge, technology limitations, market structural barriers, regulatory limitations, public acceptance or other barriers to achieving the goals and milestones.

**Action items:** actions that can be taken to overcome any gaps or barriers that stand in the way of achieving the goals; typical solution actions include technology development and deployment, development of regulations and standards, policy formulation, creation of financing mechanisms, and public engagement.

**Priorities and timelines:** a list of the most important actions that need to be taken in order to achieve the goals and the time frames, taking into account interconnections among those actions and stakeholder roles and relationships