Airspace Integration Challenges

- Airspace access
- Communication
- Controller and pilot workload
- Separation and surveillance
- Security
- Skyport capacity
- Throughput
- Multimodal trips
- Noise and acceptability
- Vehicle mix
Airspace Access for Urban Air Mobility (UAM)

**Controlled Airspace:**
**Air Traffic Management (ATM)**
- Safe, human centered
- FAA regulates
- FAA provides air traffic services

**Approach:**
- Segregation of UAM operations through airspace corridors and carveouts

**Uncontrolled Airspace:**
**UAS Traffic Management (UTM)**
- Under development
- FAA regulates
- Industry provides air traffic services

**Approach:**
- Integration of UAM operations through network services and information sharing
Airspace Integration Principles

- **Safe**: multiple safety layers: network, aircraft, pilot
- **Secure**: built-in security, threat monitoring and response
- **Predictable**: known routes, corridors and skyports
- **Cooperative**: flight intent shared across the network
- **Self-managed**: avoid burdening air traffic control
- **Scalable**: service-oriented API-based approach
- **Reliable**: ultra-high completion rate of confirmed flights
Push a button
Get a flight
Thank you
tprevot@uber.com