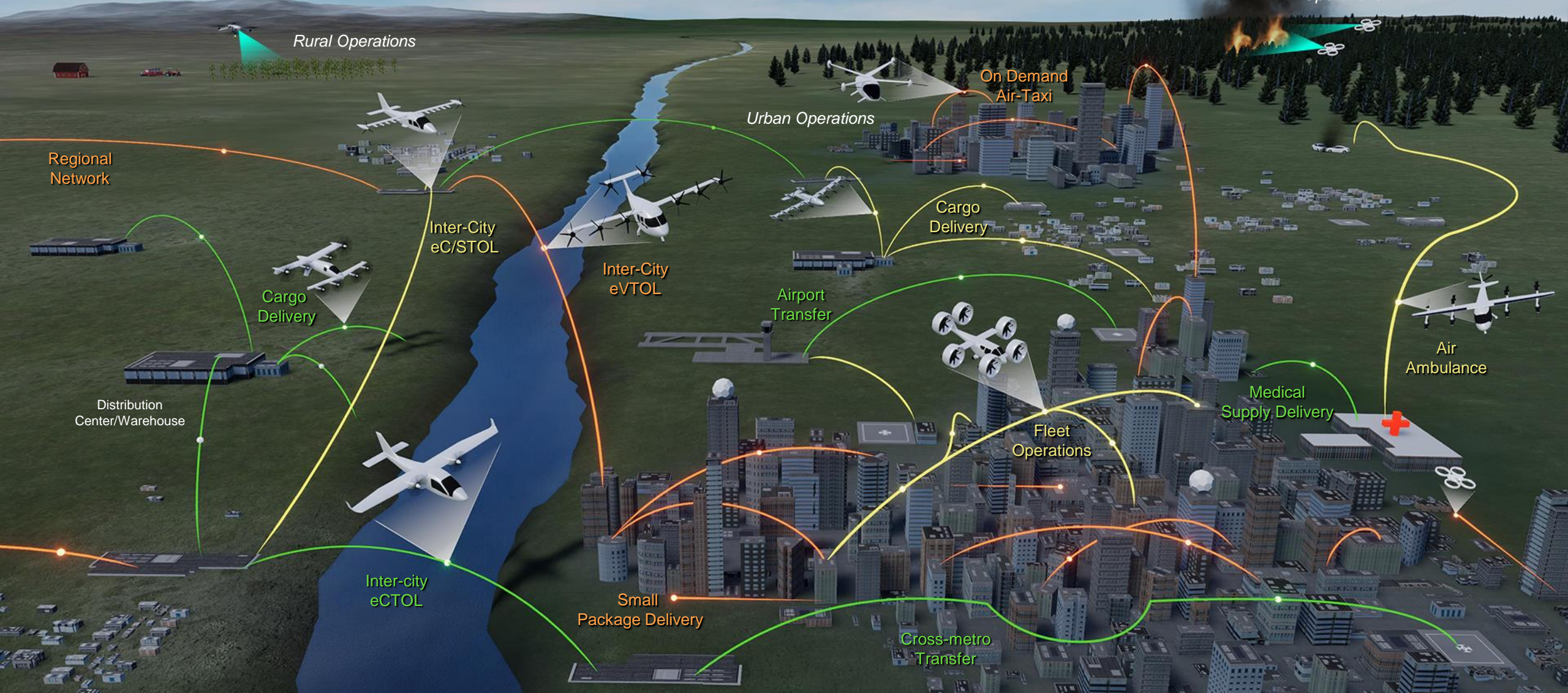# ADVANCED AIR MOBILITY
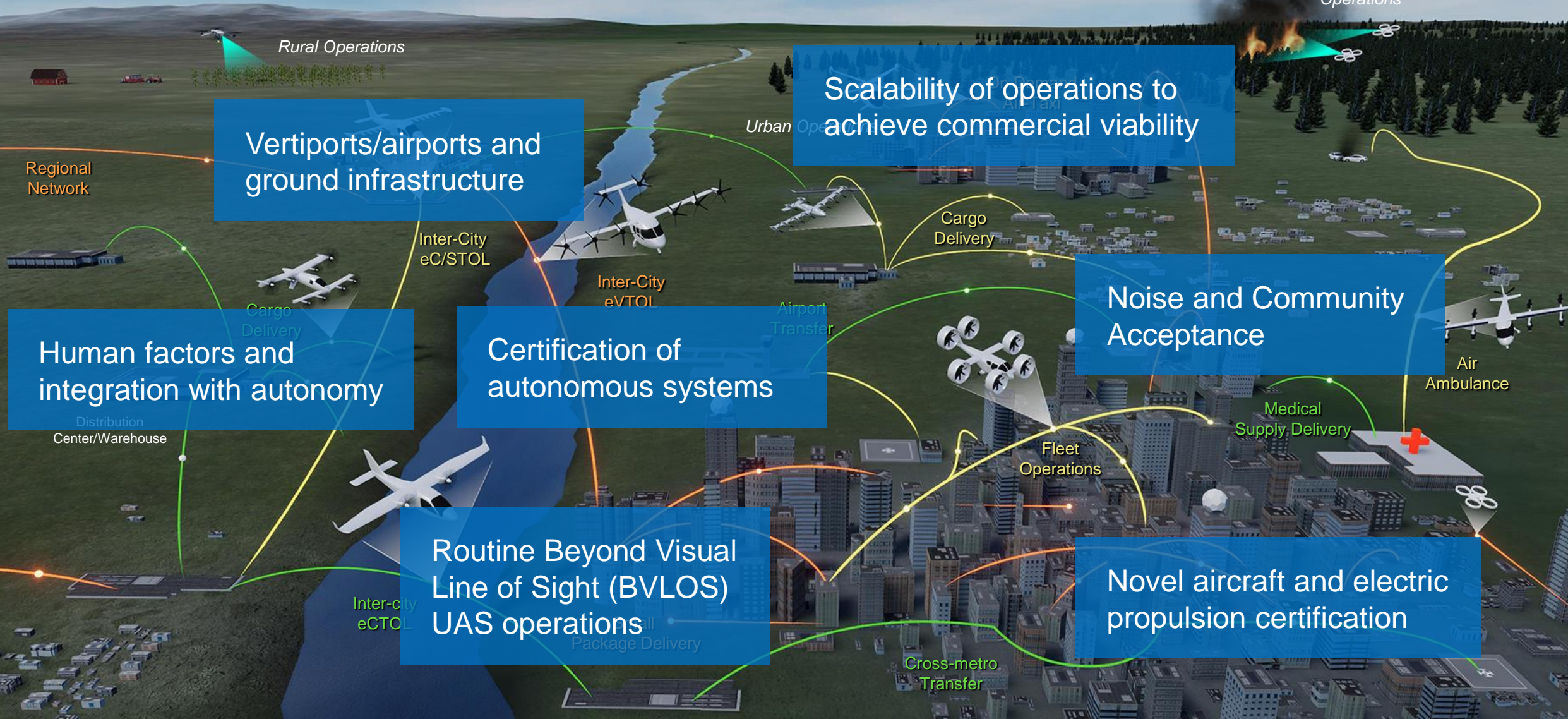
Carol Carroll
Deputy Associate Administrator for the Aeronautics Research Mission Directorate
September 2024

Advanced Air Mobility Mission

Wildland Firefighting Operations

Rural Operations

On Demand Air-Taxi

Urban Operations

Regional Network

Inter-City eC/STOL

Cargo Delivery

Inter-City eVTOL

Airport Transfer

Cargo Delivery

Air Ambulance

Cargo Delivery

Fleet Operations

Medical Supply Delivery

Distribution Center/Warehouse

Inter-city eCTOL

Small Package Delivery

Cross-metro Transfer

Safe, sustainable, affordable, and accessible aviation
for transformational local and intraregional missions

Advanced Air Mobility – Barriers to Realize Potential

Wildland Firefighting Operations

Rural Operations

Scalability of operations to achieve commercial viability

Vertiports/airports and ground infrastructure

Regional Network

Inter-City eC/STOL

Inter-City eVTOL

Cargo Delivery

Noise and Community Acceptance

Human factors and integration with autonomy

Certification of autonomous systems

Air Ambulance

Medical Supply Delivery

Fleet Operations

Routine Beyond Visual Line of Sight (BVLOS) UAS operations

Inter-city eCTOL

Package Delivery

Novel aircraft and electric propulsion certification
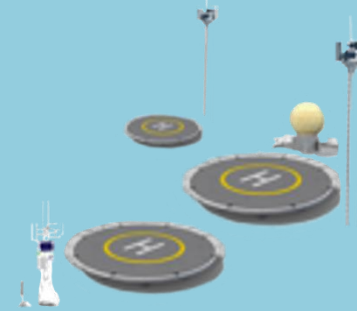
Cross-metro Transfer

Safe, sustainable, affordable, and accessible aviation for transformational local and intraregional missions
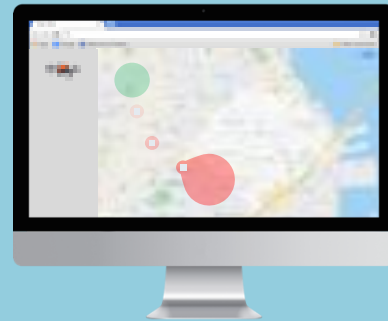
AAM Ecosystem
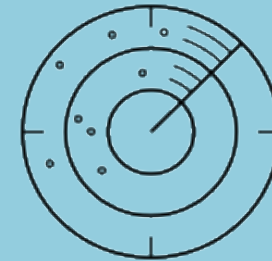

Airspace Management

Vertiport/Airport Management
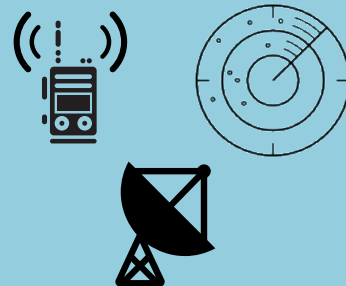
Aircraft Technologies and Automation

Fleet Management

FAA Aircraft Network Security Program

Infrastructure
Communication, Navigation, Surveillance, SDSP

In-Time Aviation Safety Management Systems