

Infrastructure for Urban Air Mobility Workshop
September 1-3, 2020 | Virtual

Day 1 - Tues - Sept. 1		Day 2 - Wed. - Sept. 2	
(1000 - 1030)	WELCOME & INTRODUCTION <i>Jim Sherman, Vertical Flight Society</i> <i>Will Morey, Cape May County, NJ</i> <i>Cliff Johnson, FAA William J. Hughes Technical Center</i>	AAM AIR TRAFFIC & AIRSPACE CHALLENGES This panel will focus on the topic of emerging technologies for drones, Unmanned Aerial Systems (UAS) and electric Vertical Landing and Take Off (eVTOL) vehicles. The associated dialogue and discussions with the industry panelist and the VFS community of participants to the conference will seek to explore the challenges and concerns of integrating new and emerging aviation technologies to our existing aviation infrastructure, our cities and communities as well as the National Airspace System (NAS). <i>Moderator: Chris Hewlett, Deloitte</i>	
(1030 - 1200)	FAA VERTIPOINT STRATEGIC PLANNING With the rise in operations expected due to additional low level routes, UAM/AAM, and new rotorcraft/tilt-rotor platforms, the revision to existing standards and development of new ones for Vertipoints is essential to insuring the viability of the nascent vertical flight industry. Through this session, attendees will learn about the FAA's strategic vision for enabling and adopting the next generation of technologies for Vertipoints.	NASA/FAA AAM National Campaign Vehicle/Airspace Integration in Today's NAS Starr Ginn, NASA UAM Strategic Advisor David Webber, FAA	(1000 - 1200)
(1030 - 1115)	FAA Advisory Circular Robert Bassey, Airport Engineering Division	John Bradley, FAA Tom Harris, Hillwood	
(1115 - 1200)	FAA Vertipoint Design Research Program Jonathan Torres, FAA William J. Hughes Technical Center	Brian Smith, GeoDecisions	
(1200 - 1300)	Networking Lunch with Exhibitors AeroDefense Arke Aeronautics Cellular Tracking Technologies Geomatix Hummingbird Release ReignMaker Skyscape Industries	Networking Lunch with Exhibitors Skyscape Industries ReignMaker Hummingbird Release Geomatix Cellular Tracking Technologies Arke Aeronautics AeroDefense	(1200 - 1300)
(1300-1430)	SMART AIRPORT INTEGRATION OF UAM / AAM Significant issues exist in integrating UAM/AAM into an operational airport environment. Current and planned investments in technologies and systems for "smart" airports could be helpful in this integration. Join us as we discuss these issues (e.g., electric power generation and distribution) as well as potential smart solutions. <i>Moderator: Rex Alexander, 5-alpha and VFS</i> Doug Stanley, National Institute of Aerospace Jon Schleiffer, FAA	Infrastructure Development Infrastructure entails such a wide variety of topics and possibilities that we have invited some speakers to provide some insight into other potential infrastructure developments to broaden the discussion. <i>Moderator: Cliff Johnson, FAA William J. Hughes Technical Center</i>	(1300 - 1430)
	Paul Sichko, DFW Airport	Challenges in eVTOL Infrastructure Development Michael Dymant, NEXA Advisors	(1300 - 1320)
	Brian Learn, Uber Elevate	Synergistic Flight Test Testing Kevin Erker, Elevate Test Solutions	(1320 - 1340)
	Nick Borer, NASA Langley Research Center	Hydrogen Infrastructure - Point of Use Generation Danielle McLean / Rachel Locks, Happy Take Off	(1340 - 1400)
		Shaping the Future of UAM Infrastructure Regulation Dawn Zoldi, P3 Tech Consulting	(1400 - 1430)
(1430 - 1445)	Short Break	Short Break	(1430 - 1445)
(1445 - 1615)	FACILITATED DISCUSSION: DESIGN CRITERIA CONSIDERATIONS The purpose of these eight 20-minute sessions is to act as brain storming session in polling workshop participants on the below eight topics. The goal is to gain and provide insight into what both industry and regulators are considering in these areas. The process will entail workshop participants polling and voting on very specific question sets online. This will also include the opportunity for participants to comment on their thought on each subject area as well. <i>Discussion Leaders: Arturo Garcia-Alonso & Rex Alexander</i>	FACILITATED DISCUSSION: CONTINGENCY PLANNING During the above sessions, moderators will pose predesigned questions that have been provided by industry, standards groups, and regulatory bodies to help identify areas of consensus. These sessions are not designed to be full discussion session but rather fast paced brain storming session for the purpose of gathering as much information on a particular subject as possible. Information obtained during these sessions will then be used in developing full working session on specific subject matter. <i>Discussion Leaders: Ryan Naru, Uber & Rex Alexander</i>	(1445 - 1615)
(1445 - 1505)	Safety Areas and Obstruction Management	Battery System Failure Quarantine	(1445 - 1505)
(1505 - 1525)	Basic Site Layout Considerations	Aircraft Emergency Operations	(1505 - 1525)
(1525 - 1545)	Ground Movement and Taxi Operations	Non-Scheduled AOG Maintenance Planning	(1525 - 1545)
(1545 - 1605)	Aircraft (airplane, helicopter, VTOL) Mixed Use Operations	Hazardous Weather Aircraft Recovery Planning	(1545 - 1605)
(1605 - 1615)	Panel Discussion	Panel Discussion	(1605 - 1615)
(1615 - 1715)	Happy Hour with Sponsors and Exhibitors AeroDefense Arke Aeronautics Cellular Tracking Technologies Geomatix Hummingbird Release ReignMaker Skyscape Industries	Happy Hour with Sponsors and Exhibitors AeroDefense Arke Aeronautics Cellular Tracking Technologies Geomatix Hummingbird Release ReignMaker Skyscape Industries	(1615 - 1715)