

# Breakout Session 1B: UAS Security Challenges



- **Moderators: Marke “Hoot” Gibson**, Senior Advisor on UAS Integration, FAA
- **Angela Stubblefield**, Deputy Associate Administrator, FAA Security and Hazardous Materials Safety
- **Pat McNall**, Deputy Chief Counsel, FAA Office of the Chief Counsel
- **Brendan Schulman**, Vice President of Policy and Legal Affairs, DJI
- **Mark Aitken**, Director of Government Relations, Association for Unmanned Vehicle Systems International

# Marke “Hoot” Gibson, Senior Advisor on UAS Integration, FAA



In September 2015, Marke Gibson joined the Federal Aviation Administration (FAA) as the Senior Advisor on UAS Integration. He provides executive direction and high level leadership to the FAA with responsibility for oversight of the work related to UAS. In addition, he is responsible for developing and delivering business and strategic plans for enterprise-level UAS initiatives, analyzing integration progress, engaging in scientific and research activities, and maintaining liaison with internal and external stakeholders.

Prior to joining the FAA, Mr. Gibson served as the Executive Director of the NextGen Institute (NGI). In that position, he promoted the NextGen Institute throughout the industry, created awareness and gained new support for NextGen initiatives.

Mr. Gibson also served as the President and CEO of a highly successful aerospace consulting practice in Colorado. He retired in 2011 as the Air Force’s Director of Current Operations and Training.

Mr. Gibson earned a Bachelor of Economics and Management from the United States Air Force Academy. He also received a Master of Business Administration from the University of Northern Colorado and a Master of National Security Affairs from the National War College. He completed a national security fellowship with Syracuse University and trained in lean six-sigma management through the University of Tennessee.



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# Angela Stubblefield, Deputy Associate Administrator, FAA Security and Hazardous Materials Safety



Angela Stubblefield has served as the Federal Aviation Administration's (FAA) Deputy Associate Administrator for Security and Hazardous Materials Safety since September 2013. She shares the Associate Administrator's responsibilities for formulating national policies and plans, and directing national programs involving security, emergency response, intelligence analysis, and safe air transportation of dangerous goods.

Previously, as Director of National Security Programs and Incident Response, Ms. Stubblefield led strategic planning, policy development, and execution of critical and comprehensive programs that supported a variety of FAA national security and regulatory responsibilities. She worked both as an Active Duty member of and a civilian for the United States Marine Corps (USMC) before joining the FAA.



Ms. Stubblefield graduated from the University of Virginia with a Bachelor of Arts in government and philosophy, after which she became a United States Marine. She also earned a Master of Arts in transportation policy, operations, and logistics from George Mason University.

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# Pat McNall, Deputy Chief Counsel, FAA Office of the Chief Counsel



Ms. McNall became the FAA's Deputy Chief Counsel in June, 2014. Before that she was the Agency's Chief Acquisition Officer and Acquisition Executive at the start of 2011 as part of the Air Traffic Organization, and then as a Deputy Assistant Administrator for Finance and Management. Ms. McNall also served as the FAA's Assistant Chief Counsel for Acquisition and Commercial Law.

In her 33-year FAA career, Ms. McNall's principal practice has been in the area of Government contracts, but she has served in various other positions, including Acting Deputy Assistant Administrator for Policy, Planning and International Aviation, Deputy Assistant Chief Counsel for FAA's Technical Center, Special Assistant to the Chief Counsel, and acting Deputy Director for the FAA's Office of Acquisitions.



In 1985, Ms. McNall earned her J.D. from George Washington University. In 1982 she studied law, foreign trade and Chinese language through a Columbia University program held at the Shanghai Law Institute. She also holds a M.A. (1982) in economics and international relations from the Johns Hopkins University School of advanced international relations, and a B.A. (1979) in international relations and Asian studies from Scripps College.

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# Brendan Schulman, Vice President of Policy and Legal Affairs, DJI



Brendan Schulman is Vice President of Policy and Legal Affairs at DJI, the world's leading civilian UAS manufacturer. Mr. Schulman is responsible for setting and representing DJI's global public policies relating to regulatory and legal issues, and advocating for reasonable and balanced policy outcomes for UAS operators at the federal and state level, and internationally. He manages DJI's public policy professionals in Europe, Asia, and North America.

Previously, he was head of the Unmanned Aircraft Systems practice at the law firm of Kramer Levin in New York City, where he handled some of the landmark cases and regulatory proposals in the field.

In his career, Mr. Schulman has represented various Fortune 500 companies, tech startups, robotics companies, investment firms, and educational institutions in their development and use of drones. He served on the FAA's UAS Registration Task Force and is a member of the FAA's Drone Advisory Committee. Frequently quoted in the media on policy issues surrounding civilian drones, he has been building and flying his own civilian drones for over 20 years.



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# Mark Aitken, Director of Government Relations, Association for Unmanned Vehicle Systems International



Mark Aitken is Director of Government Relations for the Association for Unmanned Vehicle Systems International (AUVSI), having joined the organization in November of 2014. He is the legislative and policy lead for all issues at the federal level, with a focus on unmanned aircraft systems (UAS) or “drones.”

Prior to AUVSI, Mark spent a combined 10 years on Capitol Hill and in the defense industry. Most recently, he was Legislative Director to Rep. Frank A. LoBiondo (NJ-02), where he handled the Congressman’s Aviation Subcommittee portfolio and UAS policy initiatives.

Before coming going back to Capitol Hill in 2011, he had multiple capacities within the Finmeccanica family. Starting as Director of U.S. Operations for Ansaldo Fuel Cells SpA and then moving up to Manager of Communications & Public Affairs for Finmeccanica North America, his time with the international conglomerate has given him a unique perspective of emerging technologies and international defense & commercial marketspaces. Mark graduated with a degree in Government & Public Policy from the University of Baltimore in Baltimore, MD, after transferring from Duquesne University in Pittsburgh, PA.



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