

The AVS Senior Technical Experts Program (STEP)

Ken Alexander

Chief Scientific and Technical Advisor – Satellite Navigation Systems



Ken Alexander is the FAA’s Chief Scientific and Technical Advisor (CSTA) for Satellite Navigation Systems, with over 45 years of aviation experience in aircraft and avionics engineering, program management, flight tests, and international policy. Mr. Alexander provides technical advice on requirements, design, performance, radio-frequency spectrum, and policy issues for Global Navigation Satellite Systems (GNSS). Mr. Alexander’s significant technical contributions ensure continued backwards compatibility, improved performance, delivery of new capabilities, and protection of GPS/GNSS avionics systems from spectrum interference. He was instrumental in development of the initial 2004 National Space Based Positioning, Navigation, and Timing (PNT) Policy.

Mr. Alexander is Vice Chair of the ICAO Navigation Systems Panel, and he co-chairs the U.S. and European Union working group on GNSS modernization. He also serves as the Department of Transportation’s Senior Advisor for the National Space-Based PNT Executive Committee and as the Civil Co-chair of the National PNT Engineering Forum (NPEF) with his U.S. Space Force counterpart. Mr. Alexander is a principal author of Executive Order 13905, *Strengthening National Resilience Through Responsible Use of PNT Services*. He has over 3,500 flight hours as a U.S. Air Force transport pilot. Mr. Alexander earned a B.S. in Electrical Engineering and an M.S. in Engineering from the University of Louisville.