



**Ronald A. Wingfield (Ron)**

Mr. Wingfield is currently the Bell/Textron Airworthiness Tech Fellow for the MV-75 Cheyenne II Program and the Associate Tech Fellow (ATF) / Technical Competency Lead (TCL) for Military Airworthiness for all Bell/Textron Future Vertical Lift (FVL) programs, the X-76 DARPA TTO Bell High Speed Vertical Take-off and Lift (HSVTOL) Speed and Runway Independent Technologies (SPRINT) X-Plane and all Bell Advanced Programs and Special Mission Aircraft (SMA) (e.g., 407M, 412M).

Mr. Wingfield is currently the primary instructor/educator for the Airworthiness Fundamentals (AWF) and the Airworthiness Skills (AWS) Certificate Course(s) for the California Institute of Technology (Caltech) Center for Technology and Management Education (CTME). Mr. Wingfield also currently serves as the Vice President of the Association of Airworthiness Professionals (AAP).

Ronald A. Wingfield is a recognized expert in the Airworthiness Certification and System Safety of civil, public, commercial derivative and foreign commercial/military aircraft. He has over 30 years of demonstrated industry and government Systems and Airworthiness engineering team and leadership experience successfully planning, leading, and executing a multitude of manned, unmanned, fixed, and rotary-wing air vehicle system major and minor acquisition (ACAT I, II and III), modification, and sustainment programs directly with the US Army (SRD), the US Navy (NAVAIR), the USAF (AFLCMC), DARPA, the UK MoD, and the FAA.

Mr. Wingfield has previously served as the US Army's Fixed Wing Project Office (FWPO) Special Electronic Mission Aircraft (SEMA) Airworthiness Sustainment Engineering Lead (EO-5C, RC-12X/N, RO-6A, Saturn Arch, EMARSS S/M/V/G, C-12), served as the Director of Engineering - Airworthiness for Leonardo DRS (T-X, T-100), been the Office of Under Secretary of Defense (OUSD) Airspace Integration, Unmanned Aircraft System (UAS) Task Force Airworthiness Sub-IPT Lead, served as the Lockheed Martin Airworthiness Certification Lead for the VH-71 VXX Presidential Helicopter Program, the US Army Special Operations Aircraft Division, US Army Systems Readiness Directorate (SRD) Technical Lead for the MH-47D/E/G Chinook Helicopter and has held multiple Senior/Principal leadership and Team Airworthiness positions, such as but not limited to working with General Atomics (UCLASS, MQ-20 Avenger), USFalcon/Boeing (KC-46 Pegasus) surge support, Viking Air Ltd (DHC-7), Bombardier (DHC-8), Leidos/Dynamic Aviation, Beechcraft/King Air (350/350ER, Model 300), Rolls Royce, Pratt and Whitney Canada (PWC), and Airbus. He is the former lead/primary OUSD coordinator and a co-author of the published Department of Defense Handbook, MIL-HDBK-516C, Airworthiness Certification Criteria which established certification criteria, standards and methods of compliance used in the determination of airworthiness of all manned and unmanned, fixed and rotary-wing air systems (now the MIL-HDBK-516D, published on 29 MAY 2026). He is the key contributor to the NASA contracted MTSI 2012, "Unmanned Aircraft Systems (UAS) Classification Schemes Study Final Report", 31 August 2012, used as citation for NASA/TM-2013-217969, Perspectives on Unmanned Aircraft Classification for Civil Airworthiness Standards, Langley Research Center, Feb 2013. He has been a key-note panel speaker at

the Association for Uncrewed Vehicle Systems International (AUVSI) on Verification, Validation and Certification of Autonomous Safety Critical Functions, Ground Collision Avoidance, Airborne Collision Avoidance, and Obstacle Avoidance.

He has a BS in Professional Aeronautics from Embry-Riddle Aeronautical University and holds a FAA Mechanic License. He is a US Army Senior Aviator/Veteran with 10 years of service. He is a member of Vertical Flight Society and the Army Association of America (AAAA).