

BIOGRAPHY



Mr. Timothy W. Bush



Mr. Timothy W. Bush, a member of the Acquisition Corps, is Chief of the United States Air Force (USAF) Airworthiness Office, Engineering and Technical Management/Services Directorate, Air Force Life Cycle Management Center (AFLCMC), Air Force Materiel Command (AFMC), Wright-Patterson AFB, OH. Mr. Bush provides technical and airworthiness process support to all air systems seeking airworthiness approval from the Technical Airworthiness Authority (TAA).

Early Career & Foundation

Mr. Bush began his distinguished civil service career in 2000 upon graduating from the University of Kentucky. His initial assignment was at the Aeronautical Systems Center at Wright-Patterson Air Force Base, Ohio, which laid the foundation for his extensive engineering career.

Life Support & Airworthiness Expertise

Demonstrating early technical leadership, he served as the lead life support and pilot flight equipment engineer for the F-35 Lightning II. Recognizing his expertise, the Air Force selected him as the Air Force Technical Expert for Life Support, where he held responsibility for the airworthiness of life support and pilot protection systems service-wide.

Systems Engineering & Human Systems Integration

Seeking to broaden his technical portfolio beyond life support systems, Mr. Bush transitioned to the F-15 Saudi Advanced program as the Flight Systems Chief Engineer. He later returned to human-centric engineering upon selection as the Technical Advisor for the Human Systems Directorate within the Air Force Research Laboratory (AFRL), additionally serving as the Chief Engineer for the 711th Human Performance Wing (711 HPW), AFRL.

Strategic Program Leadership

Continuing his impact on major weapon systems, Mr. Bush served as the Modernization Chief Engineer for the B-52, executing technical oversight for one ACAT IB and six ACAT III programs. He then transitioned to serve as the Chief Engineer of the T-7A Red Hawk through February 2025, providing vital technical leadership and guidance to a team of over 50 military and civilian engineers directing technical oversight for the \$10 billion acquisition of the T-7A Advanced Pilot Trainer designed to replace the legacy T-38C.

EDUCATION

2000 Bachelor of Science Degree in Chemical Engineering, University of Kentucky, Lexington, KY.

2006 Master of Science Degree in Engineering Management, University of Dayton, OH.

2008 Air War College, by correspondence.

CAREER CHRONOLOGY

1. June 2000 - July 2002, Crew Systems Engineer, Aeronautical Systems Center, Wright-Patterson AFB, Ohio

2. July 2002 - August 2008, Lead Life Support and Pilot Flight Equipment Engineer, F-35 OSD Joint Program Office, ASC, Wright-Patterson AFB, Ohio

3. August 2003 – May 2006, student, University of Dayton, Ohio

4. August 2008 – December 2011, Life Support Technical Expert, ASC, Wright-Patterson AFB, Ohio

5. December 2011 – July 2014, Chief Flight Systems Engineer F-15 Saudi Advanced System Program Office, AFLCMC, Wright-Patterson AFB, Ohio

6. July 2014 – June 2019, Technical Advisor Human Systems Integration Directorate, Air Force Research Laboratory, Wright-Patterson AFB, Ohio

7. October 2014 – October 2015, Chief Engineer 711th Human Performance Wing, Air Force Research Laboratory, Wright-Patterson AFB, Ohio

8. June 2019 – August 2021, Chief Engineer, B-52 Modernization, Air Force Life Cycle Management Center, Wright-Patterson AFB, Ohio

9. August 2021 – February 2025, Chief Engineer, T-7A Red Hawk, Air Force Life Cycle Management Center, Wright-Patterson AFB, Ohio

AWARDS, HONORS, and PROFESSIONAL CERTIFICATIONS

2025 Meritorious Civilian Service Award

2011 Exemplary Civilian Service Award

Systems Planning, Research, Development and Engineering, Level III

Program Systems Engineering, Level III

Science and Technology Management, Level III

Naval Postgraduate School – Human Systems Integration Certificate