Technical Advisor, Conventional Prompt Strike
Department of Defense, OUSD/AT&L(A)/SSI/Space and Prompt Strike
Walter.H.Rutledge.civ@mail.mil , 703-571-1061 (505-280-9415 mobile)

Professional Experience

With over 35 years of experience in the field of aerospace technology

- Broad spectrum of research, development, and application areas expertise spanning from flight test mission operations to kinetic warhead technologies
- Unique experience base consisting of technical and organizational leadership.

Department of Defense, Washington, DC (February 2016 – Present)
2016 – Present: Special Assistant (IPA), Strategic Conventional Weapons, OSD(AT&L)/ASD(A)/SSI

Sandia National Laboratories, Albuquerque, NM (August 2013 – January 2016)
2013 – 2016: Deputy Director of the Target Defeat – Asset Protection Program; Senior Manager of the Explosive Systems & Technologies Group, Integrated Military Systems

Department of Defense, Washington, DC (July 2010 – August 2013)
2010 – 2013: Special Assistant (IPA), Strategic Conventional Weapons, OSD/AT&L/PSA/SW

Sandia National Laboratories, Albuquerque, NM (Jan. 1983 – July 2010)
2002 – 2010: Technical Manager of the Applied Aerospace Engineering and Advanced Concepts Dept.
1992-2002: Technical Manager of the Aerosciences Dept
1983-1992: Senior Staff Member

Naval Surface Weapons Center, Dahlgren, VA & White Oak, MD
1978-1982: Aerospace Engineer

Education

Ph.D. Aerospace Engineering University of Texas	Master of Science Aerospace Engineering Auburn University	Bachelor of Aerospace Engineering Auburn University

Skill Sets

- Technical Advisor for hypersonic systems (e.g., ballistic & maneuvering RV/RBs, boost-glide concepts)
- Aerosciences general skill set (Aerodynamics, Flight Mechanics, Hypersonic Thermal Protection Systems, Range Safety Analysis/Operations, Compressible Gas Dynamics)
- SME balancing Modeling & Simulation, Ground Testing and Fight Testing for aerospace system design
- SME for hypersonic maneuvering flight systems/concepts
- Advocate for “Rapid Precision Decision” as part of “See-Decide-Act-Assess” for Prompt Global Strike
- R&D for Near Real-Time Range Safety Analysis Capability using Probabilistic Risk Assessment
- R&D High-Speed Penetrators for HDBT Defeat
- SME for wind tunnel testing (low-speed and high-speed)
- R&D for Low-speed aerodynamics for improved fuel efficiency of tractor-trailer trucks
- R&D for Damaged RV lethality mechanisms
- R&D for Transonic extended-range gliding bomb flight system concepts
- SME for Long-Range Global Strike Missile systems