



Clay N. Appleton

4141 Colonel Glenn Hwy., Suite 252
Dayton, OH 45431
(O) 937.426.4300
(C) 937.269.2270
clay.appleton@daytonaero.com

33 years of acquisition experience. Fighter Attack Systems Wing Director of Engineering; F-16 Technical Director; Systems Engineering Technical Director; Joint Strike Fighter Site Director and Director of Engineering; Technical factor lead for JSF source selection; Avionics Systems Engineering Advisor for F-22; chaired numerous Executive Independent Review Teams; integrated avionics engineer; radar engineer.

Principal Areas of Expertise

Technical Engineering Management

Led all systems engineering process implementation and Operational Safety Suitability and Effectiveness for the F-15, F-16, A-10. Senior systems engineering advisor for the F-35. Technical authority for all engineering decisions on the F-16. Director for the F-16 Weapon System. Led numerous Executive Independent Review Teams, notably C-5 AMP, F-16 Architecture, F-15 Software/Systems Engineering Environment, and Airborne Laser, and E-4B. Led the technical subfactor team of 78 multi-service and international representatives through F-35 SDD source selection.

Program Management

Led first cross-functional integrated product team for avionics modernization on the F-16. Directed all functional activities for the F-35 field site at Wright Patterson AFB. Directed all USAF roadmap planning activities for the F-16.

Integrated Avionics Sensors and Architecture

Led radar engineering development for the F-16. Avionics lead for AF Special Programs. Responsible for avionics architecture development and modernization for the F-16 Block 30, 40, and 50 aircraft. Led ACC directed study to reduce F-16 cost of software upgrades – reduced FYDP budget by 30 percent.



Dayton Aerospace, Inc.

Position

Senior Associate

Education

BS, Systems Engineering
Wright State University
MS, Systems Engineering
Wright State University
University
PME, CDLAMP, Ft. McNair

Key Positions

Director of Engineering, Fighter Attack Systems Wing
Aeronautical Systems Center

Technical Director, F-16 System Program Office
Aeronautical Systems Center

Director, F-35 Support Office
Aeronautical Systems Center

Systems Engineering Technical Director
ASC/EN

Organizational Memberships

IEEE

Detailed Work History

Jan 07 – present <i>Dayton, Ohio</i>	<p>Senior Associate, Associate, etc. Dayton Aerospace, Inc.</p> <p>Consultant to the F-22A Program Office in support of weapon system modernization planning. Systems engineering consultant to the F-35 Joint Program Office providing support for program execution, risk mitigation, requirements and design review process implementation, support to numerous trade studies.</p>
2004 – 2007 <i>Wright-Patterson AFB, OH</i>	<p>Director of Engineering, Fighter Attack Systems Wing Aeronautical Systems Center</p> <p>Led all systems engineering processes, resources, and technical results for the Fighter Attack Systems Wing (FASW) comprised of the F-15 Systems Group, F-16 Systems Group, Combat Systems Squadron, A-10 Development Systems Squadron, and Joint Strike Fighter Support Office. Systems engineering process guidance including the establishing of Operational Safety, Suitability, and Effectiveness (OSS&E) baselines for all FASW programs. Championed Fighter Crosstalk forum for F-16, F-22A, and F-35 with industry and also F-15 and F-18 (AF and Navy). Championed Cyber Weapon System Review (CYBERWSR) to work cross platform interoperability issues.</p>
2005 – 2006 <i>Wright-Patterson AFB, OH</i>	<p>Director, F-35 Support Office ASC/YJ - Aeronautical Systems Center</p> <p>Led all ASC resource support to the F-35 Joint Program Office. Led process improvement initiatives to improve the effectiveness of the Field Site at WPAFB at the direction of the ASC Commander and the PEO for Joint Strike Fighter.</p>
2003 – 2004 <i>Wright-Patterson AFB, OH</i>	<p>Technical Director, F-16 Systems Program Office ASC/YP – Aeronautical Systems Center</p> <p>Led all aspects of Operational Safety, Suitability, and Effectiveness (OSS&E) efforts for all USAF F-16 configurations. Technical decision authority for development, production, and sustainment of F-16 USAF, European Participating Countries, Foreign Military Sales programs. Led the implementation of a tailored airworthiness assessment for the F-16 Block 60 for the United Arab Emirates.</p>
2002 – 2003 <i>Wright-Patterson AFB, OH</i>	<p>Technical Director, Systems Engineering ASC/ENS</p> <p>Led core systems engineering process developments and deployments. Chaired the Joint Aeronautical Commander's Group development of the Joint Service Specification Guides for the AF, Navy, and Army. Provided engineering support to several programs. Led systems engineering process discussions to develop tailored Capability Maturity Model Integration (CMMI) implementations for ASC/EN. Led several Independent Review Teams to include Airborne Laser and C-5 Avionics Modernization Program.</p>
1988 – 2002	<p>Director of Engineering / Site Director, Joint Strike Fighter, ASC/YJ, WPAFB, Ohio Avionics Technical Advisor, F-22 Program Office, ASC/YF, WPAFB, Ohio Integrated Avionics Branch Chief, ASC/ENAS, WPAFB, Ohio Avionics Lead/Core Avionics Chief, F-16 Program Office, ASC/YPVC, WPAFB, Ohio Radar Engineer, Engineering Division, ASC/ENAMR, WPAFB, Ohio Lead Radar Engineer, F-16 Program Office, ASD/YPEA, WPAFB, Ohio Lead Radar Engineer, F-5 Program Office, ASD/SD30, WPAFB, Ohio Equipment Test Engineer, Photo Equipment Branch, ASD/ENAMC, WPAFB, Ohio</p>



Dayton Aerospace, Inc.
4141 Colonel Glenn Hwy, Ste 252
Dayton, OH 45431
937.426.4300