



Donald "Gary" Van Oss

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Dayton Aerospace, Inc.

34 years systems engineering and systems acquisition experience for US Air Force. Established practices, policy, and tools for systems engineering/systems acquisition in support of AF and DoD initiatives. Served as Aeronautical Systems Center's Chief Engineer with extensive background in airworthiness, weapon system performance and effectiveness, high level modeling/simulation/analysis, architectures and open systems, fire control/weapon delivery, low observables, and avionics. Retired SL (Senior Level Executive Service).

Principal Areas of Expertise

Systems Acquisition Management

Led Aeronautical Systems Center efforts to define and deploy a systems engineering tool set designed for direct application to: request for proposal preparation, source selection, program systems engineering plans, and contractual specifications, SOW, and integrated master plans. Played major role, directly supporting OSD, in the development of acquisition management policy and practices setting today's performance based business environment.

Technical Program Management

Led development of tri-service coordinated handbook for airworthiness. Issued Air Force wide guidance on airworthiness and risk acceptance. Led development of weapon system integrity criteria and standards covering technical disciplines essential to design, test, verify, and certify manned and unmanned air systems. Led numerous independent reviews and rapid response efforts to deliver combat capability, with high level reporting, for systems including the B-1, B-2, F-15, F-16, F-22, Predator, Global Hawk, U-2, C-17, cruise missiles, and avionics/SIGINT subsystems.

Technical Organizational Development

Led effort to successfully establish joint DoD and Department of Homeland Security office, managed by the FAA, to ensure airworthiness certification of commercial derivative aircraft. Defined the engineering organization requirements to transition Predator and Global Hawk programs from DARPA to the Air Force. Established the Engineering Directorate, Aeronautical Systems Center, as the Air Force Center for Airworthiness.

Position

Senior Associate

Education

BS, Systems Engineering
Wright State University
MS, Systems Engineering
Wright State University

Key Positions

Technical Advisor

Systems Engineering (ASC "Chief Engineer")

Director of Engineering

Reconnaissance Systems Program Office

Technical Director

Avionics Division

Focal Point for Open Systems and

Joint Technical Architecture

Aeronautical Systems Center

Technical Expert

Fire Control and Weapon Delivery

Detailed Work History

2006 – present <i>Dayton, Ohio</i>	Senior Associate Dayton Aerospace, Inc. Consultant to government and industry on systems engineering.
2003 – 2005 <i>Wright Patterson AFB, OH</i>	Technical Advisor, Systems Engineering (Senior Level) Engineering Directorate, Aeronautical Systems Center (ASC) Secured ASC Commander approval of acquisition policy to implement improved systems engineering/program management. Developed and deployed systems engineering tool set built around airworthiness and weapon system integrity guidance as the implementing vehicles for the Commanders policy. Engaged with Secretary of Air Force - Acquisition and OSD Systems Engineering offices to develop guidance for systems engineering/system acquisition and systems engineering plans. Chaired airworthiness certification review boards addressing a wide range of programs including C-32, B-1B, and Global Hawk.
2002 – 2003 <i>Wright Patterson AFB, OH</i>	Technical Advisor, Avionics Systems (Senior Level) Engineering Directorate, Aeronautical Systems Center (ASC) Developed and extended Viable Combat Avionics and Open Systems acquisition guidance to mitigate the escalating costs for avionics and software.
1997 – 2002 <i>Wright Patterson AFB, OH</i>	Director of Engineering Reconnaissance Program Office Managed 100 person engineering workforce covering more than a dozen major programs. Served as Chief Engineer, working directly with the Secretary of the Air Force and Commander of Air Combat Command, to integrate, flight test and live fire demonstrate, then deliver, today's Predator - HELLFIRE capability. Led red team review to address acquisition issues for the U-2, advanced SIGINT programs, Predator, and international programs.
1996 – 1997 <i>Wright Patterson AFB, OH</i>	Technical Director, Avionics Division Engineering Directorate, Aeronautical Systems Center (ASC) Provided guidance to AF and OSD on avionics cost drivers and the essential requirements to achieve open system architectures and cost effective avionics life cycle management. Developed key products in the form of OSD Deskbook publications to support performance based acquisition and implementation of open system concepts.
1971 - 1997	Technical Expert for Avionics Systems and Fire Control/Weapon Delivery. Leadership role in variety of AF programs. Lead avionics engineer for F-15E/F-16E Dual Role Fighter competition. Member of original AF team to develop stealth technology. Lead engineer for B-52 avionics modernization and cruise missile integration.



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