

GREGG SPARKS

SENIOR ASSOCIATE, DAYTON AEROSPACE, INC.

PROFILE

Over 40 years of experience planning and executing all aspects of major aircraft systems. Contributes to evolving sustainment policy for the Department of Defense (DoD) and Services with innovative life cycle management approaches. Proven senior executive as the C-17 Director of Logistics with experience devising several product support strategies for weapon capabilities large and small. Expert in developing successful Performance-Based Logistics (PBL) and Public Private Partnership (PPP) approaches at any point in a program's life cycle. Provides the analytical underpinning needed to make logical and lasting decisions on sustainment. Innovative thinker on sustainment strategies for traditional weapon systems to commercial derivative aircraft (CDA) applications. Devised product support business cases (PS BCAs) and life cycle management (LCM) models applicable to most weapon systems. Superb strategic planning and organizational skills. Colonel, US Air Force (USAF) (Retired)

PRINCIPAL AREAS OF EXPERTISE

Product Support

Executive experience executing and evolving the C-17 PBL strategy. Proven knowledge necessary to integrate contractor and organic support responsibility within a PBL arrangement. Demonstrated again when developing the F-22 sustainment approach as well as other major aircraft programs. Led organizations that supported aircraft from both field to depot level and all facets of integrated logistics support (ILS). Conducts seminars on PBL application and life-cycle management for both government and industry.

Acquisition Strategy

Planned and executed eight acquisition strategies, three at ACAT ID level, each valued over \$5B, for a range of procurements from development to production through sustainment. Noted for ability to tie proven commercial practices into acquisition strategies and assist the ease of executing programs. Uses risk management and market research as critical elements of gauging strategy success during execution.

Strategic Planning

Called upon on several occasions throughout USAF career to sit on strategic planning committees due to recognized future thinking and logical planning skills. Integral to the success of the Scientific Advisory Board's New World Vista study tied to HQ USAF revolutionary planning integrated product team (IPT) that prompted the creation of the Small Diameter Bomb (SDB) during a Corona (4-star conference) session.

Program Management

Proven track record of tough program management jobs with top-level mentors on the AMRAAM program (during the tough years) and during the Advanced Tactical Fighter (ATF) program's transition to the demonstration/validation phase, resulting in an exceptional analytical foundation for executive-level management decisions. Expertise further honed on challenging program management assignments with joint Army/Navy/USAF programs. Managed the first major modernization of the C-5 fleet from inception to execution.



DAYTON AEROSPACE

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EDUCATION

BS, Chemistry

The Citadel

MBA, Management

University of West Florida

Program Manager's Course

Defense Systems Management
College (DSMC)

Air Command and Staff College

Air War College

Industrial College of the Armed Forces (ICAF)

KEY POSITIONS

Director of Logistics

C-17 System Program Office

Development Systems Manager

C-5 System Program Office

Joint Program Manager

Red Stone Arsenal

Technology Planner

Air-to-Surface Systems for Air
Combat Command (ACC)

ORGANIZATIONAL MEMBERSHIPS

Air Force Association (Lifetime)

Bellbrook Lions Club

WORK HISTORY

Senior Associate | Dayton Aerospace, Inc.

2005-present, Dayton, OH

Devised customized sustainment approaches for several programs (large and small) integrating life-cycle sustainment planning guidance. Developed OSD-level policy based on legislation establishing Product Support Manager (PSM) (circa 2009) to include all facets of planning, function, and operations within Program Offices. Experienced in diverse business case approaches for sustainment applications for both commercial and military applications. Evaluated product life cycle for both commercial aviation and derivative programs. Program office consultant for long-term sustainment acquisition strategy and transition planning for F-22 and F-35. Developed the successful product support proposal as “book boss” for the first KC-X acquisition. Developed sustainment management tool-set for F-35 bed down planning and resource allocation. Developed “capability planning” approach within AFRL as autonomous and collaborative technologies, transitioned into Programs of Record associated with Collaborative Combat Aircraft (CCAs), with consideration for product support, operations, and Industrial planning.

Director of Logistics | C-17 System Program Office

2002-2005, WPAFB, OH

Responsible for worldwide logistics for the C-17 fleet to include depot, material management, modification and technical orders. Led a team of 1500 executing a contract with Boeing using a performance-based logistics approach valued at just under \$5B over five years.

Development Systems Manager | C-5 Systems Program Office

1998-2001, WPAFB, OH

Responsible for the modernization of the C-5 fleet to include avionics, power plant and reliability enhancement. Developed all initial concepts and acquisition strategies for program execution of this \$14B effort.

Joint Program Manager, Advanced Threat Infrared Counter Measure (ATIRCM) & Common Missile Warning System (CMWS) | PEO Aviation

1996-1998, St. Louis, MO & Redstone Arsenal, AL

Supported the US Army in efforts transitioning the next generation of infrared countermeasures and warning equipment out of the laboratory to development.

Chief of Air-to-Surface Technology Planning Integrated Product Team (TPIPT) & AFMC Representative | ACC for Fighter Configuration Planning

1994-1996, WPAFB, OH & Eglin AFB, FL

Future planner for all air-to-surface combat aircraft and weapons. Planning included a 2020 master plan for the fighter fleets called the Fighter Configuration Plan (FICOP).

Prior to 1994

- Maintenance Supervisor, 57th Component Repair Squadron, Nellis AFB, NV
- Air Staff Training Assignment (ASTRA), Legislative Liaison for Tactical Weapons, SAF, Pentagon
- Executive Officer to ASD Vice Commander, WPAFB, OH
- Project Manager, Advanced Tactical Fighter (ATF), WPAFB, OH
- Program Control Manager, AMRAAM System Program Office, Eglin AFB, OH

KEY PROJECTS

- Architect for assessing the F-15 “Collision of Mods” with an analytical and supportive framework to a wide variety of modifications planned for the F-15 fleet; conducted a similar effort for the C-5M fleet.
- Devised technology planning with the Air Force Research Laboratory (AFRL) to “transition” capabilities from a wide assortment of future programs of record (PoRs), an integral step in establishing “Foundational Assumptions” that should live for the life cycle .

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KEY PROJECTS (Continued)

- Identified and developed innovative life cycle planning approach for CDA from commercial airline product support strategies.
- Devised life cycle management planning approach to identify diverse life cycle initiatives from technology, economics, and expanded utilization of weapon systems—method proven within capital equipment industry.
- Devised method to develop and define a product support value proposition.