

# ROBERT KIDD

ASSOCIATE, DAYTON AEROSPACE, INC.

## PROFILE

Over 35 years of aerospace engineering experience on major aircraft systems development programs for the US Air Force (USAF). Recognized specialist in aircraft structures. Highly experienced with aircraft structures design development; requirements and verification; manufacturing technology; aircraft modifications; structural service life improvements; retrofit repairs; and airworthiness review and certification. Extensive experience with MIL-STD-1530, *USAF Aircraft Structural Integrity Program (ASIP)*, and ASIP execution on aircraft programs. Held leadership positions ranging from structures engineer to chief engineer on multiple aircraft programs. NH-4, Department of the Air Force (DAF) (retired).

## WORK HISTORY

### Associate | Dayton Aerospace, Inc.

2020-present, *Dayton, OH*

Provide government and industry clients with expert guidance and recommendations addressing structural service life and risk mitigation measures for the safe operational use of aging fighter type aircraft.

### Chief, Aircraft Structures Branch | Air Force Life Cycle Management Center (AFLCMC/EZFP)

2015-2017, *Wright-Patterson AFB, OH*

Served as AFLCMC/EN structures competency manager ensuring that AFLCMC structures engineering organizations could support their mission to maintain aircraft structural integrity and flight safety. Managed structures branch work and the team of structures branch subject matter experts (SMEs) providing technical support, guidance documents, training, and airworthiness certification reviews.

### Chief, Flight Systems Engineer | F-35 Joint Strike Fighter (JSF)

2012-2015, *Wright-Patterson AFB, OH*

As JSF Air Vehicle integrated product team (IPT), deputy chief engineer, supported F-35 production activity and supported technical assessments and engineering reviews on requirements verification and air vehicle systems functional issues uncovered during program development testing and early flight operations. Supported airworthiness reviews for Block 2B fleet, US Marine Corps (USMC) initial operational capability (IOC) in 2015, and USAF IOC in 2016.

### Deputy Chief Engineer, C-130 & Chief Engineer, C-130 AMP | AFLCMC/WLN

2009-2012, *Wright-Patterson AFB, OH*

Deputy chief engineer for C-130 production for USAF and foreign military sales (FMS) programs, and avionics improvement package programs. Provided engineering review for Temporary 2 (Class T-2) packages for program approval. As chief engineer for C-130 Avionics Modernization Program (AMP), successfully closed out verification of engineering contract requirements. Successfully led completion of low rate initial production (LRIP) aircraft modifications and software validation to support dedicated operational test and evaluation (DOT&E); obtained airworthiness authority approval for military flight release (MFR).



## DAYTON AEROSPACE

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## EDUCATION

MS, Mechanical Engineering  
University of Dayton

BS, Civil Engineering  
University of Dayton

## CERTIFICATIONS

Acquisition Professional  
Development Program (APDP)

Systems Planning, Research  
Development and Engineering  
(SPRDE) – Level III

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**Lead Structures Engineer, Airframe IPT Lead | F-22 (now AFLCMC/WWU)  
2007-2009, Wright-Patterson AFB, OH**

F-22 Airframe IPT lead for production, and sustainment. Verified program need for funding and executed engineering task efforts required to support and verify F-22 Structural Retrofit Program II (SRP II), and ongoing ASIP engineering needed to achieve full structural service life of the fleet. Successfully completed program engineering tasks leading into the start of SRP II, including execution of F-22 specific laser shock peening processes on site at the depot. Led airframe engineering effort to clean-up airframe corrosion and to restore long term structural integrity of the fleet.

**Chief Flight Systems Engineer | F-16 USAF Modernization and FMS Programs (now AFLCMC/WWM)  
2006-2007, Wright-Patterson AFB, OH**

Served as F-16 structures technical expert and gained additional responsibility as F-16 SPO Chief of Flight Systems. Granted authority for certification of new and updated weapons carriage configurations with the specified flight limitations to be published in the F-16 Flight Manual and for immediate/urgent operational use. Supported FMS program development and flight testing. Provided structures engineering scope and feasibility inputs needed to develop initial planning for F-16C/D service life extension program (SLEP).

**Aircraft Structures Engineering Technical Expert | F-16 (now AFLCMC/WWM)  
2004-2006, Wright-Patterson AFB, OH**

Worked with Lockheed Martin to define and review Block 52+ airworthiness requirements for FMS programs. Worked under the ASC/EN guidance to define methodology and complete a structural analysis and a probabilistic risk assessment of USAF F-16A/B structural integrity, resulting in a graceful retirement timeline of the fleet by aircraft tail number. Served on ASC/EN airworthiness team as technical expert for structures and weapon carriage for United Arab Emirates F-16 Block 60 aircraft MFR.

**Prior to 2003**

- Chief Flight Systems Engineer, Airframe IPT Structures Co-Lead, F-35 JPO, WPAFB, OH
- Lead Structures Engineer for Joint Strike Fighter Program (JSF), Airframe IPT Lead for USAF team, Airframe Technology Maturation IPT Lead, Airframe IPT Structures Co-Lead for Concept Development (X-32 & X-35), ASC, WPAFB, OH
- Structures Lead Strength Engineer for Airframe IPT, C-17 SPO, WPAFB, OH
- Structures Lead Strength Engineer for Airlift and Trainer SPO, ASC, WPAFB, OH
- Airframe Structures Engineer, ATB (B-2) SPO, ASC, WPAFB, OH
- Aircraft Structures Strength Engineer, ASC/EN, WPAFB, OH

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