

POSITION DESCRIPTION

APPLY TO: John Kennedy, jkennedy@hmrtech.com or Barb Senzig, bsenzig@hmrtech.com

POSITION TITLE: Systems Integration Engineer (Senior)

LOCATION: Wright-Patterson Air Force Base, OH.

POSITION STATUS: Full-Time, Exempt, Salaried

CLEARANCE: Current SECRET

ESSENTIAL AREA OF RESPONSIBILITY:

- This position supports the F-15 Division at Wright-Patterson Air Force Base, OH.
- Provide Systems Integration Engineering support to the Air Force Life Cycle Management Center (AFLCMC) Program Executive Officer for Fighters & Bombers Directorate (AFLCMC/WW), F-15 Division.
- Apply knowledge of systems engineering in support of system definition, development, integration, verification methods, sustainment, risk modeling/simulation, T&E, human system integration, crew stations engineering, OSS&E efforts, interoperability requirements, and airworthiness certification across a wide range of hardware and software systems, including ground-based systems.
- Review/develop/update applicable program documentation for systems engineering relevant requirements/issues.
- Participate in and assist in the planning of systems engineering risk assessments by establishing a risk management review, coordinating action item status, and updating risk management metrics.
- Support the program office Airworthiness Certification Working Group by supporting, developing and maintaining a comprehensive Modification Airworthiness Criteria Certification compliance package, and conducting an airworthiness risk assessment.
- Support the planning and execution of the Airworthiness Review Board Meeting in support of obtaining military flight releases/Military Type Certificates.
- Produce draft documentation as requested or necessitated by programmatic constraints based on cost, schedule, and performance to support the airworthiness process.
- Review and perform assessments on program specific databases and analyze Built-in Test (BIT) failure reports and compare failure reports against the BIT Interpreter Analyzer for accuracy of BIT indications.
- Provide system integration guidance to aircraft program offices for the program system installation and system maintenance
- Review and analyze technical proposals or modifications for design feasibility and system capability
- Conduct performance effectiveness, cost-effectiveness, cost performance, life-cycle cost, producibility, maintainability, supportability, reliability, technical and schedule risk assessments, and scheduling trade-off studies

- Perform systems analyses to include, but not be limited to, system design/design feasibility and state-of-the-art assessments.

Minimum Requirements:

- Senior: ABET-accredited Bachelor's Degree in engineering and 20 years of relevant experience or MS and 10 years.
- Experience managing weapon's hardware or software programs through the Air Force Airworthiness process as it applies to stores integration on Bomber/Fighter aircraft. Ability to manage the process from Airworthiness Impact Determination and MIL-HDBK 516C compliance through the Military Flight Release process
- Experience working the SEEK EAGLE Process for armament and store integration, to include analyzing Certification Recommendations, Recommended Flight Clearances and Stores Management Assessments
- Ability to interface with many organizations outside of Wright-Patterson on a daily basis to coordinate integration activities, schedules and deliverables to support Airworthiness compliance and flight test.
- Ability to develop briefings and brief leadership on Airworthiness assessments, impacts and risk management/issues on weapons integration activities.

Preferred Requirements:

- Systems integration experience with weapon system software or hardware on aircraft. Experience with the test, verification and validation, Weapon Delivery/Fire Control Systems, Avionic software, Avionics Integration of weapons, and Stores Management Systems
- Experience working with flight test organizations and flight test configuration management
- Must obtain and maintain a government security clearance at the required level.
- Must be proficient in the use of Microsoft Office Applications (Outlook, Word, Excel) and other standard (Customer specified) applications.

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