

## Engineering Supervisor: 20014 to Present

### Supervised engineering activities including managing technical performance for Army Programs for the Gray Eagle UAS

Performed technical planning with system analysis and test for requirement verification and validation for the following UAS system components and interfaces:

- H764 GPS/INS Inertial navigation units
- Universal Ground Data Terminal (UGDT) & SATCOM Data Terminals: Interfaces with STANAG and SNMP Commands
- Voice Over Internet Protocol (Voip)
- Test Director for Flight support
- Ensured proper channels of communications were established between customers' expectations and engineering / software developers

### Related Skills

Aerospace  
Flight Test  
System Design  
Program Management  
Defense  
Avionics  
Defense  
UAV  
Maintenance  
Cost Account Manager

## System Level Test Engineer: 2006 to Present

### Final Operational Test & Evaluation Lead: Identified technical issues and provided leadership

- Developed system readiness checklist: Resulted in critical findings before starting test due to deficiency in sub-contractor installation procedures. Allowed me to pursue corrective action necessary to obtained successful results
- Key contributor in developing a troubleshooting plan for the the ERMP system in preparation for IOT&E/FOTE
- Acted as Team Lead due to displaying the right attitude and mindset to be successful and put in the personal sacrifice with the commitment that was asked by Director of Army programs leading up to FOT&E event. Resulted in the Army stating that the system is ready for employment concepts and operationally suitable

### List of Strengths

Project planning and development  
System test planning  
System test execution  
Best practice implementation  
Resource allocation  
Project plan communication  
Organizational skills  
Strategic planning  
Passion to complete goals  
Proven leadership  
Technical talent and retention  
Confidentiality

### Tactical Radio Experience within Line of Sight and SATCOM in bypass or encryption

ARC-201, ARC-210, ARC-231

### Dual Embedded GPS/INS, 3X-ARC-231 Radio, Original Engine Manufacturer-180

- Responsible for successfully completing and identifying critical failures during SIL test on the baseline configuration. Spearhead test approach to first fly the baseline configuration before moving into feature based flight test. First system release for improved Gray Eagle development

### EMI/EMC Experience

Provided direction on test approach, flight test execution and personnel coordination at Dugway proving ground and customer flight line support when integration a new payload or sub component to the system.

### High Definition MTS-A

- Gave the direction to first test Software Test Authorization without the customer payload to reduce risk. Customer approved of this approach. STA was a success; when customer delivered the MTSA-HD test was successful. Results provided funding for a Legacy HD capable system

### Areas of Specialization: Active Secret Clearance

## System Test and qualification Engineer

- Extensive RF experience over line of sight and SATCOM due to UAS platform requirements
- Test director for system Integration laboratory, flight line test operations for W.A, Block 0, Gray Eagle, Portable Maintenance Aide, Ground Control Station, Universal GCS and Mobile GCS

### Operations management:

- Supervising Development test activities for Block 0, Warrior Alpha, Gray Eagle, Improved Gray Eagle, Improved Portable maintenance aid. Developed solutions for each non conformances
- Innovating new test processes: Authored informal test plan/report template and Test Readiness Review templates for all programs
- Interacting internal and external vendors and suppliers: Persuading and negotiating solutions between engineering, program management and flight operations disciplines to keep a project moving safely forward towards the goal

### Core Competencies

Requirements gathering  
Implementation of projects  
Validation of software  
Product testing  
Supervisory leadership  
Technical documentation  
Stakeholder communication  
Quick reaction capable  
Project cost estimation  
Establishing positive working relationships

## Education

- Bachelor of Science in Aeronautics- Embry-Riddle Aeronautical University (2006)
- Minor Aviation Safety- Embry Riddle Aeronautical University (2005)
- Airplane Performance Certificate- University of Kansas (2008)
- Masters of Science in Project Management – Embry-Riddle Aeronautical University (2013-Inwork)
- U.S NAVY Honorable Discharge – Aviation Maintenance Mechanic (2004)