

# NASA/MARSHALL SPACE FLIGHT CENTER

## JOINT COUNSELING SESSION

**Warhawk Solutions, LLC**

*Constance Ashford*

*Derek Collins*

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# Background

<b>COMPANY NAME:</b>	<b>Warhawk Solutions, LLC</b> (Joint Venture formed between Software Engineering Services and Blackhawk Management Corporation)	<b>ADDRESS:</b>	960 Clear Lake City Blvd Webster, TX 77598
<b>OWNER:</b>	Jim Bridges Linda Anderson	<b>CONTACT NAME:</b>	Michael Gray
<b>EMAIL:</b>	graym@blackhawkmgmt.com	<b>YEARS IN BUSINESS:</b>	Warhawk Solutions – 7 years SES – 32 years Blackhawk – 35 years
<b>CAGE CODE:</b>	8G4X2	<b>DUNS NUMBER:</b>	117341226
<b>WEB SITE:</b>	<a href="https://warhawkjv.com/">https://warhawkjv.com/</a>	<b>NAICS CODES:</b>	541330 (primary)
<b>CERTIFICATIONS (e.g., ISO 9001, AS 9100, etc.): AS9100/ISO9001:2008, CMMI ML3 Development and Services, NIST SP 800-171 assessment at Basic Confidence Level (CMMC) DCMA Approved Accounting System, DCMA Approved Property Management System.</b>			

# Business Size & Classifications

<b>EMPLOYEES (range):</b>	<b>25-35</b>
<b>AVERAGE SALES (range):*</b>	<b>\$ 4,000,000-\$5,000,000</b>

<b>CLASSIFICATIONS (select from list below):</b>	<b>Yes/No</b>
<b>SMALL BUSINESS</b>	Yes
<b>SMALL DISADVANTAGED BUSINESS</b>	Yes
<b>NATIVE AMERICAN-OWNED</b>	No
<b>ALASKAN NATIVE CORPORATION</b>	No
<b>WOMEN OWNED</b>	No
<b>ECONOMICALLY DISADVANTAGED WOMEN OWNED</b>	No
<b>VETERAN-OWNED</b>	Yes
<b>SERVICE DISABLED VETERAN OWNED</b>	Yes
<b>HUBZONE CERTIFIED</b>	No
<b>8(A) CERTIFIED</b>	No
<b>8(A) EXPIRATION DATE (if applicable)</b>	No

\*Based around NAICS 541330





# Primary Capabilities

- Safety and Mission Assurance for Critical Systems
- Engineering Services
- Research, Development, Test & Evaluation
- Educations & Training Services
- M&S Integrated Support



# Current and Recent Contracts/Performance ( < 5 years )

- Boeing Engineering and Technical Services (BETS)
- Integrated Technical Support Services (ITSS)
- US Army Guardrail Commons Sensor (GRCS) Electronic Intelligence (ELINT)
- DLA SPRTA Electronic Components
- AF Special Operations Command Systems Engineering and Technical Assistance IV (AF SOC SETA4)
- AMC Inventory Mgmt & Demand Planning
- AF NETCENTS Public Key Infrastructure
- Enhanced Medium Altitude Reconnaissance and Surveillance System (EMARSS)



# NASA Value - Quad Chart

## Problem(s):

- In order to maintain a successful Safety & Mission Assurance (S&MA) Program at NASA, NASA will need to select a Supplier that can provide a single plan that can clearly identify its methodologies and techniques in the following major disciplines: Safety, Industrial Safety, Reliability, Maintainability, Quality, and Software Quality.
- If the Supplier can not provide a viable plan that incorporates these disciplines, then the ability to identify risks and mitigate them to ensure flight crew/general public safety and mission success degrades.

## Company Solution:

- Warhawk S&MA plan supported by engineers with over 25 years of technical knowledge and experience in the major disciplines; equipped to meet the requirements levied by NASA.
- Warhawk S&MA Team generates as well as updates S&MA products (i.e., FMEA/CILs, Hazard Reports, LLI, Fault Trees, PM analysis, Limited Life Identification reports, NCRs) that ensures risks are identified, mitigated, and tracked to closure. Thus, providing NASA with the data and information to make clear and precise decisions that would positively impact S&MA success.
- Warhawk S&MA identifies quality assurance requirements relative to design, procurement, manufacture, inspection, test, and acceptance according to a set QMS.
- Warhawk S&MA evaluates validity of Software Quality test cases; reconciliation of S/W data products & audit of S/W Engineering processes.

## Value:

- Technical and experienced engineering staff that is familiar with validating the life cycle implementation of the S&MA processes, program, and design requirements.
- Independent assessment of engineering hardware design(s) at component and integrated system levels.
- Integrated Product Team (IPT) / Analysis & Integration Team (AIT) support
- Milestone Reviews support [e.g., System Requirement Reviews (SRR), Preliminary Design Reviews (PDR), Critical Design Reviews (CDR), and Incremental Design Reviews (IDR)]
- Sub-contractor monitoring
- Test operations (e.g., ground or flight hardware)
- ISS Payload Safety design writing, levying, and ensuring verification closure.
- Provide expert analysis on ISS Payload safety data for Payload Safety Review Panel (PSRP) assessment and ground safety data for SRP assessment.
- Conduct examination on payload interface exceptions and create input to engineering & integration team members.
- Provide Safety Data for Integration of EXPRESS/WORF Racks to the PSRP.

## Status of Solution:

- Warhawk's S&MA technical and experienced engineers are today providing the service and products to meet Boeing as well as NASA mission success criteria.
- Warhawk's S&MA Team interacts daily with NASA S&MA databases (e.g., ISS FMEA/CIL, ISS Safety Hazard Report, PART, MADS, VMDB) to ensure design and levied requirements are being met.
- Warhawk's S&MA Team on a weekly basis supports the Safety Panel Resolution Teams where hardware and design specification issues are presented to NASA.
- Warhawk's S&MA Team is presently supporting Software Quality testing in NASA's training facility.
- Warhawk's S&MA Team is presently supporting on time quality flight and non-flight hardware deliveries to NASA.
- Warhawk's ISS S&MA Payload Team represents Boeing weekly at the PSRP/SRP.
- Warhawk's ISS S&MA Payload Team are the EXPRESS/WORF Safety Integration Managers.



# Awards/Notable Accomplishments

- Received Boeing Silver Performance Excellence Award for 2008, 2009, 2010 and then again in 2021 for NASA Integrated Technical Support Services

# Principle Point(s) of Contact

<b>NAME</b>	<b>TITLE</b>	<b>PHONE</b>	<b>EMAIL</b>
<b>Constance Ashford</b>	Director, Cyber and Space Programs	254-669-2345	cashford@sessolutions.com
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