

FCS Business Opportunities

Intelligence, Surveillance, and Reconnaissance

FUTURE COMBAT SYSTEMS
FCS
One Team-The Army/Defense/Industry

FCS Partner Contact Information	Business Opportunities
<i>Intelligence, Surveillance, and Reconnaissance</i>	
<p>Ground Sensor Integrator Raytheon Network Centric Systems Plano, Texas Nancy Walfield – Small Business Liaison Officer Email: Nancy_Walfield@raytheon.com</p> <p>Web Addresses: www.raytheon.com www.raytheon.com/connections/supplier/diversity/index.html</p>	<ul style="list-style-type: none">• Software Products• Technical Writing• Electronic Box Build and Assembly• Engineering Services• Connectors• Cables (RF and digital)• Circuit Card Assemblies• Optical Components and Assemblies
<p>Air Sensor Integrator Northrop Grumman Corporation, Electronic Systems Linthicum, MD Bill McKenna - Contracts Email: william.mckenna@ngc.com Web Address: www.northropgrumman.com</p>	<ul style="list-style-type: none">• Software Engineering to support porting and verification testing in Baltimore, MD• Engineering Consulting for Electro-Optics/Infrared/Laser-Designator/Laser Range-finder Sensor Supplier Management local to Cypress, CA• Knowledgebase Solutions in Baltimore, MD
<p>Unattended Ground Sensors, Tactical and Urban Sensors Textron Systems Wilmington, MA Web Address: www.systems.textron.com Bruce Boucher – SBLO bboucher@systems.textron.com</p>	<ul style="list-style-type: none">• Embedded Software• Military Connectors• Cables (RF and Digital)• Antennas• Printed Wiring Assemblies• Optical Imaging Components and Assemblies

FCS Business Opportunities

C4ISR Battle Command



FCS Partner Contact Information	Business Opportunities
C4ISR - Battle Command	
Battle Command and Mission Execution Raytheon Network Centric Systems Fort Wayne, IN Email: Nancy_Walfield@raytheon.com	<ul style="list-style-type: none"> • Software Engineering • Software Coding and Development
ISR Sensor Fusion Lockheed Martin Information Systems and Global Services San Diego, CA Regina Stout – Small Business Liaison Officer Email: regina.c.stout@lmco.com Web Address: www.lockheedmartin.com	<u>Level 1 Fusion:</u> <ul style="list-style-type: none"> • Distributed Fusion Management • Fusion Engine • Exploitation Tools • Embedded Training Software <u>Level 4 Fusion:</u> <ul style="list-style-type: none"> • Sensor Positioning
Sensor Data Management General Dynamics C4 Systems Scottsdale, AZ Stephanie Poppe - Small Business Liaison Officer Email: stephanie.poppe@gdc4s.com Web Address: www.gdc4s.com	<ul style="list-style-type: none"> • Opportunities to be identified
Preparation and Planning Services General Dynamics C4 Systems Scottsdale, AZ Stephanie Poppe - Small Business Liaison Officer Email: stephanie.poppe@gdc4s.com Web Address: www.gdc4s.com	<ul style="list-style-type: none"> • Software Engineering • Software Development and Coding

FCS Business Opportunities

C4ISR Network Systems



FCS Partner Contact Information	Business Opportunities
C4ISR – Network Systems	
<p>Centralized Controller Device Lockheed Martin Missiles and Fire Control Grand Prairie, TX Ron Jennings Telephone: 972-603-1032 Web Address: www.lockheedmartin.com</p>	<p><u>Procurements for Small, Hand-Held Computing Devices:</u></p> <ul style="list-style-type: none"> • Helmet/Goggle Mounted Display Devices • Organic Light-Emitting Diode Touch screen Displays • Fixed Computer Storage Media (Solid State and/or Rotational) • Cable Assemblies (RF and digital) • I/O Connectors • GPS Antenna for Small Form Factor Radio • Light-Weight Electronic Heat Transfer and Compact Thermal Management Solutions
<p>Ground and Air Platform Communications BAE Systems Wayne, NJ James P. Nunemaker - Manager of Subcontracts Small Business Liaison Officer Telephone: 973-305-2604 Fax: 973-305-2396 E-Mail: james.nunemaker@baesystems.com Web address: www.baesystems.com</p> <p>Mailing Address: BAE Systems, CNIR Information and Electronic Systems Integration Inc. Communication, Navigation, Identification & Reconnaissance 164 Totowa Road Wayne, NJ 07474-0975</p>	<ul style="list-style-type: none"> • Automated Test Benches (2 each) with option for Long Range Initial Production (2 each) • Networking Hardware • Antennas • I/O (digital) Cables and Connectors • Mechanical Enclosures • Power Supplies (PCB) <p><u>RF</u></p> <ul style="list-style-type: none"> • RF Cables - Low Loss • RF Combiners & Splitters • RF Connectors • RF Filters - Notch Filters, BPF and Diplexers • RF Switches - High Power, Low Loss, High Isolation <p><u>Engineering Outsourcing</u></p> <ul style="list-style-type: none"> • Systems Software, Hardware

FCS Business Opportunities

C4ISR Network Systems (Continued)

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C4ISR – Network Systems	
<p>Integrated Computer System General Dynamics C4 Systems Bloomington, MN Review Information at Web Address www.gdc4s.com under Suppliers, "Supplier Diversity Program" Email to info@gdc4s.com</p>	<ul style="list-style-type: none">•General Purpose Processors•Graphics Processors•Fixed and Removable Storage Media – GOTS/Mil Hardened•Storage Controllers•Network Switches and Routers•Firewalls•Network Intrusion Detection•Cross Domain Guards•Chassis and Chassis backplanes•Power Supplies•Fiber Optic Cabling and Copper Cabling Conversion
<p>Network Management System Northrop Grumman Mission Systems Network Communications Division Rancho Bernardo, CA Email: mikal.aziz@ngc.com Web Address: www.northropgrumman.com Supplier Diversity Website: https://oasis.northgrum.com</p>	<ul style="list-style-type: none">•Software Design and Development•Voice and Data Service

FCS Business Opportunities

Supportability



FCS Partner Contact Information	Business Opportunities
Supportability	
<p>Logistics Decision Support Systems Northrop Grumman Mission Systems Carson, CA Email: mikal.aziz@ngc.com Web Address: www.northgrum.com Supplier Diversity Web Address: https://oasis.northgrum.com</p>	<p><u>Software Development Support (On-site)</u></p> <ul style="list-style-type: none"> • Investigate and integrate COTS products within a network management framework • Analyze product design and identify design enhancements • Define and perform experiments to ensure COTS products can work within development and objective environments
<p>Platform Soldier – Mission Readiness Honeywell Defense & Space Electronic Systems Albuquerque, NM William Spofford - Small Business Liaison Officer Telephone: 505-828-5548 Email: bill.spofford@honeywell.com Web Address: https://www-a.honeywell.com/esource/diversity/</p>	<p>Long-term Opportunities:</p> <ul style="list-style-type: none"> • Secure Wireless Communications Technology • Chemical/Biological/Radiological/ Nuclear micro-sensors and sensor fusion • Advanced ruggedized display technology (organic light emitting diode, micro cube projection, etc.) • Perception Systems • Advanced Robotic Controls • High Bandwidth Transmission techniques • Advanced micro-turbine or heavy fuel micro-diesel engine technology • Efficient Energy Storage for the “Hotel” requirement (Kilowatts of storage to drive the electronics for the station keeping mission requirements) • Simulation and Modeling Tools/Model Development for Rapid Prototyping • Advanced Data Mining Functionality • Reasoning Technology • Imbedded micro sensors with micro transmitters for monitoring human health and physiological/psychological conditions • Personal identification and registration for the FCS soldiers to correlate to WMI access and data control. (Face recognition, Iris recognition, Finger print registration, integrated network security tied to personal ID)

FCS Business Opportunities

Supportability (Continued)

FCS Partner Contact Information	Business Opportunities
Supportability	
<p>Logistics Data Management Service (LDMS) IBM – Global Business Services Garland, Texas</p> <p>Michele Lewis – Procurement, Subcontracts Telephone: 703-633-4583 Email: michele.a.lewis@us.ibm.com Web address: www.ibm.com Supplier Diversity Web Address: http://www-03.ibm.com/procurement/proweb.nsf/ContentDocsBytitle/United+States~Supplier+diversity</p>	<ul style="list-style-type: none">• Service Oriented Architecture• Systems Engineering• Software Development• Software Engineering• Software Integration• Systems Architecture• Modeling and Simulation

FCS Business Opportunities

Unmanned Systems

FUTURE COMBAT SYSTEMS



One Team-The Army/Defense/Industry

FCS Partner Contact Information

Business Opportunities

Unmanned Ground Vehicle Systems

Autonomous Navigation System (ANS)
General Dynamics Robotic Systems
Westminster, MD
Tim Matterson, Purchasing Manager
Chari Russell, Small Business Liaison Officer
Gene Whitney (GPSINS RFI Lead)
Telephone: 410-386-1768
Web Address: www.gdrs.com

Procurements for Perception Sensors

- IR Camera
- Low Light Monochrome Camera
- Millimeter Wave Radar
- Optics/Lenses

Procurements for Perception Computer Subsystem

- Computer System Enclosure
- Power Supply
- Heat Exchanger

Long-term Opportunity - Request for Proposal for Core Navigation System, Phase II Effort

- Integrated GPS/INS System, Phase II Effort
- GPS Antenna

Purchasing

- Wiring Harnesses
- Machined Parts and Electronic Components

Multifunction Utility/Logistics and Equipment Vehicle (MULE)
Lockheed Martin Missiles and Fire Control
Grand Prairie, TX
Ron Jennings
Telephone: 972-603-1032
Web Address: www.lockheedmartin.com

- Composite Armor Structure Design
- Belly Plate Composite Design
- Belly Plate Composite Tooling
- Chemical Point Detector
- Titanium Chassis/Frames
- Titanium Fittings & Tubing
- Welding Services
- Fasteners
- Lightweight Armor
- Wheels/Tires
- Band Track
- Wiring Harnesses
- Suspension Motors
- Turret Bearings, Gears, etc.
- Turret Drive Motors
- Slip Rings
- Ultrasonic/Acceleration/Position Sensors
Tanks/Bladders (Fuel/Water)
- Experimental Vehicle Management System
Computer

FCS Business Opportunities

Unmanned Systems (Continued)

FUTURE COMBAT SYSTEMS



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FCS Partner Contact Information

Business Opportunities

Unmanned Aerial Systems

Class IV Unmanned Aerial Vehicle
Northrop Grumman Integrated Systems

17066 Goldentop Road

San Diego, CA 92150-9066

Email: vicky.harper-hall@ngc.com

stan.ogara@ngc.com

Web Address: www.northropgrumman.com

- Nose Cones
- Bottom Fairings (Composite Parts)
- New Designs

FCS Business Opportunities

Manned Ground Vehicle Systems



FCS Partner Contact Information	Business Opportunities
Manned Ground Vehicle Systems	
<p>Manned Ground Vehicle (MGV) BAE Systems Land & Armaments L.P. Santa Clara, CA</p> <p>Subcontracts: GSDSubK.landa@baesystems.com</p> <p>Purchasing: GSDPurch.landa@baesystems.com</p>	<ul style="list-style-type: none"> •Opportunities to be Identified
<p>Manned Ground Vehicle (MGV) BAE Systems Land & Armaments L.P. Minneapolis, MN</p> <p>Subcontracts: Richard.richter@baesystems.com</p>	<p><u>Purchasing:</u></p> <ul style="list-style-type: none"> •Bearings •Casting/Forging/Weldments •Electrical and Hydraulic Components •Fabrication •Machined Parts •Wiring Harnesses
<p>Manned Ground Vehicle (MGV) General Dynamics Land Systems 38500 Mound Road Sterling Heights, MI 48310-3200 Email: simpsonl@gdls.com Web Address: www.gdls.com</p>	<ul style="list-style-type: none"> •Insulation •Fuel Tanks •Fuel Adapter Cap

FCS Business Opportunities

Training and Engineering Support



FCS Partner Contact Information	Business Opportunities
Training Support	
<p>Collective Training Support Packages Northrop Grumman Information Technology Chantilly, VA Deelya E. Fulton Small Business Liaison Officer Telephone: 571-265-1745 Email: deelya.fulton@ngc.com Web Address: https://oasis.northgrum.com</p>	<ul style="list-style-type: none"> • Computer and/or web-based training products and training development allocated to small businesses
<p>Collective Training Support Packages Computer Sciences Corporation Annie Martin Small Business Liaison Officer Email: amartin5@csc.com Telephone: 703-818-4182 www.csc.com/supplierdiversity</p>	<ul style="list-style-type: none"> • Training support packages allocated to small businesses
<p>Collective Training Support Packages Dynamics Research Corp Andover, MA Fax: 978-470-0201 Web Address: www.drc.com</p>	<ul style="list-style-type: none"> • Possible subcontracting opportunities in the area of Web based and Classroom based training tasks
Engineering Support	
<p>Science Applications International Corporation - SAIC James "Tyre" Benefield Supplier Operations Manager Huntsville, AL Email: james.t.benefield@saic.com Web Address: www.saic.com</p>	<ul style="list-style-type: none"> • Subcontracting opportunities in software, engineering, logistics, and systems integration

LSI (Boeing and SAIC) Technology Areas of Interest

<p><u>Mounted and Dismounted Soldier Survivability</u></p> <ul style="list-style-type: none"> • Advanced Soldier Health Monitoring Systems • Enhanced Standoff Mine Detection on Unmanned Aerial Vehicles • Kinetic Energy Active Protection Systems • Laser Hardened Sensor Vision • Mine Detection on Manned Ground Vehicles 	<p><u>Force Lethality</u></p> <ul style="list-style-type: none"> • Advanced Line of Sight Lethality and Effects • Advanced Mounted Combat System Ammunition
<p><u>Human Factors and Training</u></p> <ul style="list-style-type: none"> • Advanced Remote/Distributed Training Environments and Architectures and Effects • Methods for Training Command Decision makers Under Time Stress • Models and Demonstrations for Human Factors in Remote Vehicle Control 	<p><u>Survivability</u></p> <ul style="list-style-type: none"> • Gap Bridging by manned/unmanned vehicles • Innovative Mine Detection • Mine Clearance and Neutralization
<p><u>Sustainment Footprint</u></p> <ul style="list-style-type: none"> • Advanced Vehicle Drive Train Components • Failure Models for Embedded Digital Electronics and Mother Boards • Fault Tolerant/Self-Repairing Computer Operating Systems • Ultra High Density Energy Storage • Ultra Reliability Prognostics 	

Visit the FCS website at www.boeing.com/fcs