

From: Brandon Slone

To: Jose Trevino

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Subject: FCC file number 0408-EX-PL-2009

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Message:

In support of a Seaport E contract issued by NAVSEA thru NSWC Crane, IN, awarded to SAIC, SAIC is responsible to perform the following tasking. This Tasking requires that SAIC operate USMC equipment off Base, one system is a motion detection sensor system (TRSS) that uses acoustic and magnetic means to detect and then transmits this information at low power over VHF, the other is a manned portable raydar system (MSRAR) manufactured by DRS that operates at \_\_\_\_\_GHz. This equipment will be used both on the ground and mounted on a tower at 18' above the ground.

(TO Para 3.7.4) Demonstration Support. The Contractor shall support the definition, planning, coordination, implementation, manning, data collection, training, maintenance, troubleshooting and evaluation of initiatives related systems/equipment demonstration. The Contractor is responsible for the delivery of plans/procedures, briefings, data collection sheets, and other related documentation required to support a demonstration or generated as a result of a demonstration.

(TO Para 3.8) System Support. The Contractor shall provide material, labor, hardware, tools, test equipment, software, and firmware technical support to the end user by building and maintaining 2 GBOSS test bed systems. The Contractor shall ensure all hardware and software is in compliance with all specifications and guidance provided as GFI. The Contractor shall document and detail all work performed and status of corrective actions in the monthly progress and status report.

(TO Para 3.10) Engineering and Technical Support Services.

The Contractor shall provide engineering and technical support for the research, design, development, modeling, analysis, software/firmware support, safety analysis and engineering related logistics for the procurement, production, maintenance, disposal (life-cycle management) and related services for but not limited to, Command, Control, Communications, Computers and Information (C4I) systems, undersea systems, acoustic systems, systems, supported systems, subsystems, equipment and components. These tasks include, but are not limited to: aircraft, land or water borne vehicles and gun systems; shoulder-launched explosive ordnance; precision guided munitions and weapons; targets; naval platform self protection; aerial platforms; weapons mounts; fire control systems; anti-terrorism/force protection systems/equipment; defense security systems; Infrared (IR) imaging and optic(s) support; command and control systems; micro electronic mechanical systems; missiles and missile defense and tactical software and firmware and unmanned systems. Engineering support requires research; prototype design; evaluation, prototype, developmental, qualification and Operational Evaluation (OPEVAL) fabrication and testing, product engineering, electronics integration, test fixture design and prototyping, value engineering, systems integration, reverse engineering, safety and failure analysis, test planning, In-Service Engineering Activity (ISEA) support, demilitarization/ disposal engineering, software development and integration, repairs, both at Crane Division and in other locations. The Contractor shall assist with the technology transition of the G-BOSS program. The Contractor shall support the characterization of system requirements through knowledge of available technology options that support operational employment scenarios; assess current and developmental sensor technologies to include unattended ground sensors, optical and infrared cameras, radars, sniper detection systems, explosive and other hazardous material detection systems, and other potential valuable data inputs to MARCORSYSCOM systems; liaison with MCCDC and MCWL to develop scenarios, concepts, and procedures for experiments to determine desired and executable system attributes and modes of employment for MARCORSYSCOM systems; develop a roadmap for technology development and integration, including costs, schedule, and associated risks, that will provide the Program Office with the information needed to make technology investment decisions; identify potential emerging or increasing risks within MARCORSYSCOM programs or affiliated development programs, and opportunities for risk

reduction or program enhancement from external technology sources.

(TO Para 3.11) Systems Integration. The Contractor shall support NSWC Crane in the integration, testing, and documentation of the Marine Corps Ground Based Air Defense efforts. The Contractor will be provided an abstract performance specification and a baseline configuration as Government Furnished Information (GFI). The Contractor shall perform a market survey and obtain the necessary hardware, tools, test equipment and material to complement Government Furnished Property (GFP) and perform systems integration of all required hardware into a deliverable prototype system for supporting all GBOSS requirements. The contractor shall produce and integrate a prototype scanning optical augmentation sniper detection system into a minimum of 10 G-BOSS systems.

(TO Para 3.20) Design Engineering. The Contractor shall support engineering design for the integration and testing of GBOSS systems, subsystems, equipment and components. The Contractor shall develop and/or fabricate engineering design, development, qualification, OPEVAL and production prototypes; modify original designs; identify and/or complete design validation testing; prepare technical data packages, product assurance and safety requirements; prepare maintenance support documentation; review engineering changes, waivers and deviations for impact on design, performance, safety, and producibility; develop test equipment, tools, jigs and fixtures to support production acceptance, life-cycle quality evaluation and maintenance of systems, subsystems, equipments, software, and components. As required, the Contractor shall prepare, review or support design of new items and improvements to existing items. All designs and design changes shall be documented in their as-built configuration and presented as developmental (Level II) or production (Level III) drawings and specifications, unless otherwise requested. Presentation will be in electronic format accessible to Government personnel as required. Prototypes are component, fixture or equipment or group of equipment useful as ordnance or in the processing of ordnance. This definition is not limited to one (1) item but is of sufficient quantity to validate the design. Exact numbers may vary. Repair, change and/or modification may be required to perfect the design. Human Systems Integration (HSI) to evaluate the design of effective systems must take into account human strengths and limitations as well as considerations of human variability. Including human factors and human-centered design and system effectiveness and safety. Also human cognition and performance as they are influenced by physiological, anthropometric and environmental considerations.