

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0010		2. DELIVERY ORDER/ CALL NO. 005806		3. DATE OF ORDER/CALL (YYYYMMDD) 2005 Apr 13		4. REQ./ PURCH. REQUEST NO. 4N51JS184N		5. PRIORITY DX-A2	
6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND PO BOX 1500 HUNTSVILLE AL 35807-3801				7. ADMINISTERED BY (if other than 6) DCMA VIRGINIA 10500 BATTLEVIEW PKWY SUITE 200 MANASSAS VA 20109-2342		CODE S2404A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)	
9. CONTRACTOR COMPUTER SCIENCES CORPORATION FEDERAL SECTOR-DEFENSE GROUP 3160 FAIRVIEW PARK DRIVE FALLS CHURCH VA 22042				FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	
14. SHIP TO SEE SCHEDULE				15. PAYMENT WILL BE MADE BY DFAS-COLUMBUS CENTER DFAS-CO/SOUTH ENTITLEMENT OPERATION P.O. BOX 182264 COLUMBUS OH 43218-2264		CODE HQ0338		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15	
16. TYPE OF ORDER		DELIVERY/ CALL		X		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.			
		PURCHASE				Reference your quote dated Furnish the following on terms specified herein. REF:			
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.									
NAME OF CONTRACTOR			SIGNATURE			TYPED NAME AND TITLE			DATE SIGNED (YYYYMMDD)
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:									
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule									
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE		23. AMOUNT
SEE SCHEDULE									
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.				24. UNITED STATES OF AMERICA		25. TOTAL		\$826,000.00	
						26. DIFFERENCES			
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED									
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE		
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE					28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS
f. TELEPHONE NUMBER		g. E-MAIL ADDRESS			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR
36. I certify this account is correct and proper for payment.					31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		34. CHECK NUMBER		35. BILL OF LADING NO.
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER			40. TOTAL CONTAINERS		41. S/R ACCOUNT NO		42. S/R VOUCHER NO.
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)					

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	SETAC - FP Labor COST	1	Lot	UNDEFINED	UNDEFINED
	Provide services outlined in the scope of work (SOW), as defined in a given task order (T/O), at the fixed prices/government labor category specified in Section B paragraph entitled, "GOVERNMENT LABOR CATEGORIES AND ASSOCIATED FIXED PRICES PER DPPH"				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 4N51JS184N				
				MAX COST	\$824,653.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0003	Consultants COST	1	Lot	UNDEFINED	UNDEFINED
	Provide services outlined in the scope of work (SOW) at the cost reimbursable amounts as approved on a task-order-by-task-order basis. Total Fee, including prime and subcontractor/consultant, shall not exceed 3% of the estimated costs.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 4N51JS184N				
				MAX COST	\$0.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0004	Materials and STE COST Provide materials, special test equipment (STE), and associated services outlined in the individual task orders at the cost reimbursable amounts as approved by the T/OM and the Contracting Officer. NO FEE ON THIS CLIN. FOB: Destination PURCHASE REQUEST NUMBER: 4N51JS184N	1	Lot	UNDEFINED	UNDEFINED
				MAX COST	\$0.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0005	Travel COST Travel as directed in the individual task orders. Travel must be completed within the cost reimbursable amounts allowed per the Joint Travel Regulations and the DCAA-approved Company-Implemented Policy and Procedures. NO FEE ON THIS CLIN. FOB: Destination PURCHASE REQUEST NUMBER: 4N51JS184N	1	Lot	UNDEFINED	UNDEFINED
				MAX COST	\$1,347.00

BLOCK 17 CONTINUED:

TASK ORDER FUNDS REQUIRED	\$ 826,000
TASK ORDER FUNDS AVAILABLE	\$ 826,000
UNFUNDED BALANCE	\$ -0-

BLOCK 18 (DD1155) CONTINUED: In the performance of this Task Order (T/O), the contractor shall provide the total Direct Productive Person Hours (DPPHs), plus or minus 10 percent, as stated for fixed-price labor categories stated in Section B of the contract listed in Block 1 of the DD Form 1155. These DPPHs shall be billed at the fixed price stated in Exhibit V of the contract. The contractor shall not exceed the DPPHs, nor the total dollars, stated for consultant below. The contractor is allowed to provide up to 10 percent less than the DPPHs stated for consultant and still expend the total dollars as stated in the T/O. Furthermore, under no circumstance shall the contractor exceed the dollars stated for Materials, Travel, or Total T/O.

LABOR CATEGORIES: Labor categories are as listed in the contract, Section B, paragraph entitled "GOVERNMENT LABOR CATEGORIES AND ASSOCIATED FIXED PRICES PER DPPH"

	DPPHs ORDERED	NTE AMOUNT
FIXED-PRICE LABOR TOTAL	██████ DPPHs	\$ 824,653
*CONSULTANT TOTAL	DPPHs	\$ 0
T/O TOTAL LABOR	██████ DPPHs	\$ 824,653
MATERIAL	NTE	\$ 0
TRAVEL	NTE	\$ 1,347
T/O TOTAL		\$ 826,000

*Consultant requirements must have prior written approval of the Administrative Contracting Officer (ACO) (via subcontract consent package) before any costs are incurred under the consultant CLIN.

Section C - Descriptions and Specifications

PERIOD OF PERFORMANCE

13 APRIL 05 – 14 APRIL 06

STATEMENT OF WORK

“JSSEO-SIAP Integrated Systems Engineering & Technical Assistance Support” Statement of Work
(SOW revised with Mod 01)

1.0 Background:

The Department of Defense (DoD) has substantial evidence that significant warfighting capability shortfalls exist today in the Joint offensive and defensive counter-air mission area. Because of these shortfalls, the Joint Requirements Oversight Council (JROC) recommended designation of a Joint system engineering organization to facilitate the transition of the Single Integrated Air Picture (SIAP) requirement from concept to a fielded joint capability. As a result, the SIAP System Engineering Task Force (SIAP SE TF) was chartered in October 2000 (now the Joint SIAP System Engineering Organization (JSSEO) effective 1 Oct 03) and charged with implementing a disciplined systems engineering process to identify and recommend the most effective and efficient means to achieve a SIAP capability that satisfies warfighter needs. The product of the JSSEO recommendations will feed combat-ready, operationally certified equipment and computer programs that enable the warfighter to build and maintain a SIAP, as well as inputs to tactics, techniques, and procedures (TTP) necessary to operate the components of the integrated system.

The results of SIAP “Block Engineering” technical assistance supports the behavior model required of Battle Management and Command and Control (BMC2) systems to achieve the JROC-validated SIAP requirements.

2.0 Purpose:

The purpose of this task is to provide air warfare domain knowledge, system engineering and technical support, to an effort that is building the system and technical views of the Theater Air and Missile Defense (TAMD) Integrated Architecture. This effort will support the model of the tactical battle management and command and control functionality needed to meet JROC-validated Capstone Requirements for TAMD, Combat Identification (CID), and the Global Information Grid (GIG). This behavior model shall be consistent with the operational views of the TAMD Integrated Architecture. This behavior model shall be translated into a constructive model that will be used to evaluate the correctness of the integrated architecture and to evaluate existing and planned application layer protocols.

3.0 Task A: Derived Technical Requirements Support

As a supporting member of the Technical Requirements Team, the contractor shall assist in the following areas:

3.1 Operational Requirements Support. Assist the JSSEO with the collaborative architecture product describing the Integrated Architecture Behavior Model (IABM) and operational and system/technical requirements including those requirements from the Joint requirements documents, JTAMDO, derived requirements, threads, and other sources.

3.2 Technical Requirements Support. Support technical requirements and formulation of “mini-CONOPS” to describe distributed system-level interactions to facilitate the derivation of system requirements from operational requirements.

3.2.3 Reference Implementation Support. Support operation and maintenance of IABM reference Timebox 26 implementation to reduce CNI sea-based demo risk; also improve IABM performance; support post-Timebox 26 IABM development and rapid integration to incorporate additional CNI sea-based demo

capabilities needed to add functionality in the TM/CID, LDDM, Host Data Exchange, and P2P IABM functional domains to process amplified tracks from DCGS and Ground Moving Target Indication. (Incorporated with Mod 01)

3.3 Requirements Documentation Support. Contribute to the requirements documentation process, including tool-based document generation processes, to support traceability of requirements from high-level operational capability requirements to the IABM domains that realize the capabilities and to provide enough detail in technical requirements that the implementation team can model the necessary behavior to provide the required capability.

4.0 Task B: IABM Development RDT&E Support

4.1 Technical Support. The model is incremental on cycles known as “timeboxes”. Primary support shall include unit test and validation of the code required to generate a reference implementation of a Platform Specific Model (PSM) resulting from translation of the Platform Independent Model (PIM).

4.2 Domain Architecture Support. The Contractor shall assist the Domain Architect on the System Engineering Team to work with members of the various issue teams that are forming the functional design of the model and assure that sufficient use cases, sequence diagrams, activity diagrams, descriptive text, mathematical models, and requirements are generated by the issue teams to assure that the design can be implemented in the model.

4.3 Task C: Network/QoS Analysis

Provide technical support to the Block 2 Quality of Service and Peer-to-Peer (P2P) Networking Issue Teams, with limited support to near term IABM design implementation of communication Transient Team products. Evaluate existing and emerging network topologies & protocols supporting peer-to-peer networking. Studies will yield recommended protocols and algorithms from industry, academia and current DOD network addressing the challenges of supporting the SIAP mobile ad-hoc network. Specific responsibilities of this task include:

4.3.1 Support Block 2 P2P networking issue lead. Refine network technical requirements for IABM Configuration 07 based on operational scenarios and required capabilities. Use computer analysis models, engineering judgment, and operational laydown information to drive engineering studies.

4.3.2 Support the development of network monitoring baseline requirements, P2P network topology options, network traffic shaping/routing methods, and management schemes to effectively use bandwidth

4.3.3 Assist in the assessment of the future link technologies (Joint Tactical Radio System - JTRS) and communication architectures (MANET) for their performance and ability to meet IABM P2P communication requirements.

KEY PERSONNEL



DELIVERABLES

Item/Title	CDRL#	# Copies	Delivery Date
Task Order Management Plan	A001	1 *	Per CDRL
FMER	A003	1 *	Per CDRL
Progress Report	A004	1	7 th Working Day Each Month

Final Technical Report	A005	2 */**	14 APRIL 06
Quarterly Transmittal Listing	A007	1	Per CDRL

* Plus Electronic Version.

** One (1) hardcopy to the T/OM, and one (1) hardcopy to the SMDC Command Library (SMDC-IM-PL).

TRAVEL

The contractor has no authority to incur travel costs without explicit prior written approval (email acceptable) of the Task Order Monitor. The contractor is not authorized to travel outside the United States without the explicit written approval (email acceptable) of the contracting Officer. Under no circumstance shall the contractor incur travel costs in excess of the NTE amount stated herein. NTE: \$1,347

MATERIAL

The contractor has no authority to incur material costs without the explicit prior written approval of the contracting officer. Prior to forwarding requests to the contracting officer, the contractor shall obtain the Task Order Monitor's concurrence. Electronic Mail (email) shall be utilized for both steps in this process. Under no circumstance shall the contractor incur materials costs in excess of the NTE amount stated herein. NTE: \$0

SPECIAL INSTRUCTIONS

Cost data shall be segregated/reported/vouchered/paid at the ACRN level.

The "Limitation of Funds" is applicable at the ACRN level.

The effort described in the Task Order Statement of Work anticipated to be performed in FY05-FY06, is subject to the Clause at FAR 52.232-18, Availability of Funds.

All of the terms and conditions of the contract listed in Block 1 above are applicable to this T/O.

All of the provisions and clauses of the contract listed in Block 1 above are applicable to this T/O.

The following Government Furnished Property or Test Facilities are available for use in performance of this Task Order:

On-Site Requirements: If required to work on-site at the government location, the contractor will have access to office space and equipment required to perform the task order (as determined to be necessary and available by the task order monitor).

100% Government Site - JSSEO/SIAP
CM3, 11th floor
1851 South Bell Street
Arlington, VA 22202

It is incumbent upon the contractor and/or subcontractor to ensure that appropriate Technical Assistance Agreements (TAAs) and/or applicable export licenses are in place before conducting any activity under the SOW which requires such approval and documentation.

DISTRIBUTION



Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 215 2040 0000 5Q-5Q07 P643327S3200 255Y S01021 54N005/4N53JS254N/4N0000
AMOUNT: \$434,000.00

AB: 175 1319 84WW 253 SAS06 0 068342 2D 960010 S30310000010
AMOUNT: \$392,000.00