

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0009	2. DELIVERY ORDER/ CALL NO. 0107	3. DATE OF ORDER/CALL (YYYYMMDD) 2005 Aug 31	4. REQ./ PURCH. REQUEST NO. W31RPD5242DHVC-01	5. PRIORITY DX-A2
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6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND PO BOX 1500 HUNTSVILLE AL 35807-3801	CODE W9113M	7. ADMINISTERED BY DCMA HUNTSVILLE BUILDING 4505, SUITE 301 MARTIN ROAD REDSTONE ARSENAL AL 35898-0001	(if other than 6)	CODE S0107A
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8. DELIVERY FOB

DESTINATION
 OTHER

(See Schedule if other)

9. CONTRACTOR BAE SYSTEMS ANALYTICAL SOLUTIONS INC 1525 PERIMETER PKW, STE 500 HUNTSVILLE AL 35806	CODE OJLS6	FACILITY	CODE	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
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12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY DFAS-COLUMBUS CENTER DFAS-CO/SOUTH ENTITLEMENT OPERATION P.O. BOX 182264 COLUMBUS OH 43218-2264	CODE HQ0338	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
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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)
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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 TEL: _____ EMAIL: _____ BY: _____	25. TOTAL \$50,000.00	26. DIFFERENCES
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27a. QUANTITY IN COLUMN 20 HAS BEEN

INSPECTED RECEIVED 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
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e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
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f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
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36. I certify this account is correct and proper for payment.

a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	34. CHECK NUMBER	35. BILL OF LADING NO.
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37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
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Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	SETAC - FP Labor COST	█	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"				
	PURCHASE REQUEST NUMBER: W31RPD5242DHVC-01				
				MAX COST	\$44,000.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0003	Consultants COST	█	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 █ of the estimated costs.				
	PURCHASE REQUEST NUMBER: W31RPD5242DHVC-01				
				MAX COST	\$0.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0004	Materials and STE COST	█	Lot	UNDEFINED	UNDEFINED
	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. PURCHASE REQUEST NUMBER: W31RPD5242DHVC-01				
				MAX COST	\$0.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0005	Travel COST	█	Lot	UNDEFINED	UNDEFINED
	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. PURCHASE REQUEST NUMBER: W31RPD5242DHVC-01				
				MAX COST	\$6,000.00

FOB: Destination

BLOCK 17 (DD1155) CONTINUED:

TASK ORDER FUNDS REQUIRED

TASK ORDER FUNDS AVAILABLE

UNFUNDED BALANCE



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 [redacted] 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 [redacted] 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	[redacted] DPPHs	[redacted]
*CONSULTANT TOTAL	DPPHs	[redacted]
T/O TOTAL LABOR	[redacted] DPPHs	[redacted]
MATERIAL	NTE	[redacted]
TRAVEL	NTE	[redacted]
T/O TOTAL		[redacted]

*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

STATEMENT OF WORK

"BMDS Engineering Federation Distributed Simulation - Architecture Middleware and Infrastructure Analysis and Conceptual Design" Statement of Work

1.0 Background. SMDC is preparing to serve as M&S implementation agent for MDA in developing and using engineering federation simulation assets. Three circumstantial conditions are relevant to preparation for that effort. First, a variety of distributed simulation tools and techniques are available to address the subject effort. Secondly, there exists a wide variety of investment in simulation federate assets, in distributed simulation technology and in some distributed simulation composite assets. And finally, guidance is emerging from MDA/MS respective simulation development for MDA system of systems support. Therefore, the need exists to understand the state of current prevalent distributed simulation architectural constructs, designs, languages, standards, and practices, and the potential implications of their implementation in feasible configurations; and to establish recommendations for SMDC engineering analysis federations and for massively parallel distributed simulation implementation.

2.0 The contractor shall (AE) compile and characterize legacy implementation and emerging evolutionary development and developmental guidance for [REDACTED] BMD system of systems simulation architectures. (GT) Analyze legacy architectures and document implications for SMDC engineering federation design and evolution.

3.0 The contractor shall (GT) consider a synoptic range of distributed simulation concepts and constructs in order to ensure against errors of omission; but specifically nominate and (AE) evaluate for eventual implementation those alternative point designs that are consistent with the simulation development strategies to be employed by SMDC on behalf of [REDACTED]

4.0 The contractor shall (GT) investigate parametric dependencies of distributed collaborative simulation architectural design. Analyze characteristics and implications of parametric electives among programming languages, communications protocols, collaborative mediation standards and practices, and associated best practice etc. for plausible point designs. (AE) Determine sensitivity of SMDC efforts to alternative parametric design parameters, and indicate prospective significance of parametric selection to SMDC distributed simulation development.

5.0 The contractor shall (GT) Recommend point design for prompt engineering federation composition and execution using existing simulation federate assets and including in some cases hardware or software in the loop assets – Conceptual Architecture A. Document point design A. Recommend point design for eventual engineering federation composition and execution using massively parallel computational hardware and software assets – Conceptual Architecture B. Document point design B.

6.0 The contractor shall (AE) compile observations, conclusions, and recommendations, and deliver a technical report containing salient elements of the survey, analysis, synthesis and recommended course(s) of action.

PERIOD OF PERFORMANCE

31 AUG 05 – 30 NOV 05

KEY PERSONNEL

[REDACTED]

DELIVERABLES

Item/Title	CDRL#	# Copies	Delivery Date
Task Order Management Plan	A001	1 *	Per CDRL
FMER	A003	1 *	Per CDRL
Interim Technical Report	A004	1 **	As Required
Final Technical Report	A005	2 *	30 NOV 05
Quarterly Transmittal Listing	A007	1	Per CDRL

* Plus Electronic Version.

** **Final Report shall include Draft Conceptual Designs for Architectures A and B**

ESTIMATED 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: [REDACTED]

MATERIAL

ESTIMATED COST FOR MATERIALS AND/OR SPECIAL TEST EQUIPMENT: 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: [REDACTED]

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.

No Government Furnished Property or Test Facilities are available for use in performance of this Task Order.

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

TASK ORDER MONITOR: [REDACTED]
[REDACTED]

MAILING ADDRESS: U.S. Army Space and Missile Defense Command, PO Box 1500, ATTN: [REDACTED]
[REDACTED] Huntsville, Alabama 35807-3801

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 975 0400 2501 36 2216 40603890C00 2514 W31RPD5242DHVC 5HHRDA S01021
AMOUNT: \$50,000.00