

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0015		2. DELIVERY ORDER/ CALL NO. 002604		3. DATE OF ORDER/CALL 2002 Sep 17		4. REQ./ PURCH. REQUEST NO. MIPR2MSMDR0802		5. PRIORITY	
6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND PO BOX 1500 HUNTSVILLE AL 35807-3801			CODE W31RPD	7. ADMINISTERED BY DCM LOCKHEED MARTIN DELAWARE VALLEY MAIL STOP AE 2-W 1 FEDERAL STREET CAMDEN NJ 08102-1013			CODE S3110A	8. DELIVERY FOB <input checked="" type="checkbox"/> DEST <input type="checkbox"/> OTHER (See Schedule if other)	
9. CONTRACTOR L3 COMMUNICATIONS CORP L-3 SYSTEMS COMPANY 1 FEDERAL ST CAMDEN NJ 08103			CODE 1BRA6	FACILITY		10. DELIVER TO FOB POINT BY (Date) SEE SCHEDULE		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	
					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 NORTH ENTITLEMENT OPERATIONS PO BOX 182266 COLUMBUS OH 43218-2266			CODE HQ0337	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.	
16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Govt. 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	\$795,805.00		
26. QUANTITY IN COLUMN 20 HAS BEEN				27. SHIP NO.		28. DO VOUCHER NO.		29. DIFFERENCES	
<input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		30. INITIALS	
DATE _____ SIGNATURE OF AUTHORIZED GOVT. REP. _____				31. PAYMENT				33. AMOUNT VERIFIED CORRECT FOR	
36. I certify this account is correct and proper for payment.				<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER	
DATE _____ SIGNATURE AND TITLE OF CERTIFYING OFFICER _____								35. BILL OF LADING NO.	
37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.				

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"				
	PURCHASE REQUEST NUMBER: MIPR2MSMDRB082				
				MAX COST	\$781,398.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0003	Consultants COST	UNDEFINED	Lot	UNDEFINED	UNDEFINED
				MAX COST	\$0.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0004	Materials and STE COST	1	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. This CLIN is valid during the three-year base period as well as any/all award term extensions earned by the contractor. PURCHASE REQUEST NUMBER: MIPR2MSMDRB082				
				MAX COST	\$12,575.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0005	Travel COST	1	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. This CLIN is valid during the three-year base period as well as any/all award term extensions earned by the contractor. PURCHASE REQUEST NUMBER: MIPR2MSMDRB082				
				MAX COST	\$1,832.00

FOB: Destination

BLOCK 17/BLOCK 18 CONTINUED

BLOCK 17 DD1155 CONTINUED:

O&MA FUNDING – EXPIRATION OF FUNDS

ACRN AA, AB, AC, AND AE funding must be expended by 22 September 2003.

TASK ORDER FUNDS REQUIRED: \$795,805

TASK ORDER FUNDS AVAILABLE: \$795,805

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 in the contract. These DPPHs shall be billed at the fixed price stated in EXHIBIT V of the contract listed in Block 1 of the DD Form 1155. The contractor shall not exceed the DPPHs, nor the total dollars, stated for Consultants 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.

FIXED-PRICE LABOR TOTAL		\$781,398
CONSULTANT TOTAL		\$0
T/O TOTAL LABOR		\$781,398
MATERIAL	NTE	\$12,575
TRAVEL	NTE	\$1,832
T/O TOTAL		\$795,805

*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

A SOW

“VALUE ADDED ANALYSIS (VAA) WITH DATA UPGRADES AND WARFIGHTING ALTERNATIVE ANALYSIS REQUIREMENTS & RESOURCE (WA2R2) INITIATIVES” Statement of Work

- 1.0 PROJECT BACKGROUND: The purpose of this Delivery Order is to provide modeling and analysis assistance to Concepts Analysis Agency (CAA) that will support their efforts to develop and evaluate cost effective alternatives for the Army’s senior leadership decision-making process for the Planning Objective Memorandum (POM). The focus of this effort will be to study available “off the shelf” TRADOC Analysis Center (TRAC) scenarios and to select and implement those found to add value to future VAA studies and analyses. This effort will use updated databases as recommended from the data update from VAA Parts IIa ,IIb and the Warfighting Alternative Analysis Requirements and Resource (WA2R2) Initiative recently completed. CAA continues to utilize the analysis from VAA Part I, VAA Parts IIa and IIb to support the WA2R2 Initiative. Additionally, completed TRAC scenarios coupled with data upgrades will be used to enhance the current analysis and to prepare for future analysis. The WA2R2 effort will help the Army analyze requirements and capabilities for the interim and notional objective forces from a systems and ammunition requirement perspective.
- 2.0 PROJECT OBJECTIVES: The contractor shall work with CAA personnel to select the TRAC scenario which best meets future modeling and analysis needs. The scenario will include enough combat arms assets to achieve statistically significant quantities of systems to be stressed by threat forces in sufficient quantities to interact with each firer/target pairing of interest. Additionally, the contractor will provide modeling and analysis support to exercise the chosen scenario(s) (see above) to support VAA WA2R2 optimization efforts. Special emphasis may be placed on certain systems whose programs are currently under consideration in the POM. Simulation results must integrate any new data and be doctrinally correct and defensible for Army system alternatives and modernization “families” of weapons and munitions.
- 3.0 SCOPE OF WORK:
 - 3.1 Model Requirements: The combat simulation modeling must be able to capture the effectiveness as detailed by the system’s data at the corps level, with measures of effectiveness compatible with existing methodology. The modeling must then integrate lessons learned from the previous iterations of VAA analyses to incorporate system and scenario inputs from both staff synchronization officers (SSOs) and the TRADOC Analysis Center.
 - 3.2 Model Parameters: This effort will utilize the Vector-in-Commander (VIC) model (VIC99 or VIC2000) and VIC-ready data for the scenarios and the systems and their munitions to be examined. It is understood that this data may need to be modified, changed, tested and analyzed as a course of this effort.
 - 3.3 Model Run Requirements: The contractor shall perform all runs requested by the Task Order Monitor (T/OM), and will conduct the necessary sensitivity analysis on any new data incorporated as a result of SSO recommendation(s). Additional model runs may be required to determine the level of divergence between any scenario base-case previously completed and those involving data changes/modifications.
 - 3.4 System of systems/munitions: The families generally consist of direct fire systems/munitions, indirect fire systems/munitions, rotary wing systems/munitions and fixed wing systems/munitions. The concept is that systems/munitions are employed together and complement each other on the battlefield. The contractor will ensure that the correct families of all systems and munitions are modeled as requested by the task order monitor.

3.5 Logistical impacts: Previous model record runs have been exclusively produced with logistics playing an integral part of the scenario and follow-on analysis. This contract will diverge from previous VAA optimization efforts in that an analysis will be done to determine the operational effects achieved whenever the VIC logistics module is utilized.

4.0 APPLICATION OF RESULTS: New data from previous analysis efforts coupled with logistical parametrics will provide increased confidence in simulation results. In turn, these results will provide better optimization values for future VAA efforts and for follow-on analysis to the VAA and WA2R2 Initiatives. Quality data and analysis ensures better results and these results will continue to support the modernization strategy analysis necessary for each POM.

B POP

PERIOD OF PERFORMANCE: 23 Sep 02 – 22 Sep 03

C KEY PERS

KEY PERSONNEL: [REDACTED]

D DELIVERABLES

DELIVERABLES:

Item/Title	CDRL#	# Copies	Delivery Date
Task Order Management Plan	A001	1 *	Per CDRL
FMER	A003	1 *	Per CDRL
Status Report	A004	1	Monthly
Interim Technical Report	A004	1	As Required
“VALUE ADDED ANALYSIS (VAA) WITH DATA UPGRADES AND WARFIGHTING ALTERNATIVE ANALYSIS REQUIREMENTS & RESOURCE (WA2R2) INITIATIVES”	A004	1	28 FEB 03
Final Technical Report	A005	1 *	22 SEP 03
Conference Minutes	A006	1	Per CDRL
Data Accession List	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 and the Center for Army Analysis Library (CSCA-MS/Mary Bushey)

E TVL

ESTIMATED TRAVEL: The contractor has no authority to incur travel costs without explicit written approval (email acceptable) of the Task Order Monitor. Under no circumstance shall the contractor incur travel costs in excess of the NTE amount stated herein. NTE: \$1,832

F MTRL

PROVIDE ESTIMATED COST FOR MATERIALS/SPECIAL TEST EQUIPMENT HERE: The contractor has no authority to incur material costs without the explicit prior written approval of the Contracting Officer. Prior to forwarding request to the Contracting Officer, the contractor shall obtain the Task Order Monitor's concurrence. Electronic Mail (e-mail) shall be utilized for both steps in this process. Under no circumstances shall the contractor incur material costs in excess of the NTE amount stated herein. NTE: \$ 12,575

G SPEC INST

SPECIAL INSTRUCTIONS:

Cost data shall be segregated/reported/voucher/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, which is anticipated to be performed in FY02 and FY03, 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: 1. Vector-in-Commander (VIC) data as appropriate

2. Scenarios as provided by Training and Doctrine Command Analysis Center (TRAC), Ft. Leavenworth, KS

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.

H DIST

TASK ORDER MONITOR: [REDACTED]

MAILING ADDRESS OF T/OM:

[REDACTED]

ALTERNATE TASK ORDER MONITOR:

[REDACTED]

PROGRAM MANAGEMENT POC:

[REDACTED]

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	N/A	N/A	N/A	N/A
0003	N/A	N/A	N/A	N/A
0004	N/A	N/A	N/A	N/A
0005	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 2132020 0000 0 5X 5X00 435612.00000 25GY 12RBST MIPR3CWA2RB022 RBST12 S44008
AMOUNT: \$50,000.00

AB: 21 2 2020 0000 0 5X 5X00 435612.00000 2512 12RBST MIPR2MSMDRB082 RBST12 S44008
COST 000000000000
CODE:
AMOUNT: \$100,805.00

AC: 2132020 0000 0 5X 5X00 122018.15000 25GY 12RBSD MIPR3CWARRB021 RBSD12 S44008
AMOUNT: \$140,300.00

AD: 2122040 0000 0 5X 5X00 65803.73300 25GY 12RBDP MIPR2CWARRB127 RBDP12 S44008
AMOUNT: \$4,700.00

AE: 21 302020 0000 0 5X 5X00 122018.15000 25GY 12RBSD MIPR3CWARRB021 RBSD12 S44008
AMOUNT: \$500,000.00