

**ORDER FOR SUPPLIES OR SERVICES**

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0011	2. DELIVERY ORDER/ CALL NO. 003608	3. DATE OF ORDER/CALL 2002 Aug 21	4. REQ./ PURCH. REQUEST NO. MIPR2KTRAC0030A	5. PRIORITY DX-A2
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6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND [REDACTED] P.O. BOX 1500 HUNTSVILLE AL 35807-3801	CODE W31RPD	7. ADMINISTERED BY DCM BIRMINGHAM BURGER PHILLIPS CENTER 1910 THIRD AVE., NORTH, RM. 201 BIRMINGHAM AL 35203-2376	CODE S0101A	8. DELIVERY FOB <input checked="" type="checkbox"/> DEST <input type="checkbox"/> OTHER  (See Schedule if other)
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9. CONTRACTOR TELEDYNE SOLUTIONS, INC 5000 BRADFORD DRIVE HUNTSVILLE AL 35805	CODE 1P9G8	FACILITY	10. DELIVER TO FOB POINT BY (Date) <b>SEE SCHEDULE</b>	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  <b>SEE SCHEDULE</b>	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	<b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.</b>
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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
	<b>SEE SCHEDULE</b>				

\* 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	\$165,559.24
	29. DIFFERENCES	

26. 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 DATE SIGNATURE OF AUTHORIZED GOVT. REP.	27. SHIP NO. <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	28. DO VOUCHER NO.	30. INITIALS
36. I certify this account is correct and proper for payment. DATE SIGNATURE AND TITLE OF CERTIFYING OFFICER	31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
			34. CHECK NUMBER
			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.
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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	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: MIPR2KTRAC0030A				
				MAX COST	\$160,669.37

FOB: Destination

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. 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: MIPR2KTRAC0030A				
				MAX COST	\$0.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0004		1	Lot	UNDEFINED	UNDEFINED

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. 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: MIPR2KTRAC0030A

MAX COST

\$0.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0005		1	Lot	UNDEFINED	UNDEFINED

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. 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: MIPR2KTRAC0030A

MAX COST

\$4,889.87

FOB: Destination

BLOCK 17/BLOCK 18 CONTINUED

TASK ORDER FUNDS REQUIRED \$ 165,559.24

TASK ORDER FUNDS AVAILABLE \$ 165,559.24

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 below. These DPPHs shall be billed at the fixed price stated in Section B-1, LINE ITEM DESCRIPTION, 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 SME below. The contractor is allowed to provide up to 10 percent less than the DPPHs stated for SME 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	\$160,669.37
SME TOTAL	 DPPHs	\$ 0
T/O TOTAL LABOR	 DPPHs	\$160,669.37
MATERIAL	NTE	\$0
TRAVEL	NTE	\$4,889.87
T/O TOTAL		\$165,559.24

\*\*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 STATEMENT OF WORK

#### “AIR AND MISSILE DEFENSE METHODOLOGY FOR THE ADVANCED WARFARE SIMULATION (AWARS)” STATEMENT OF WORK

The contractor shall accomplish the following:

##### 1.0 AWARS Familiarization

1.1 Review currently implemented AD/MD methodologies within models of relatively comparable levels of resolution to include VIC, Eagle and JWARS.

1.2 Become sufficiently familiar with the AWARS model architecture, methodologies and documentation to define the necessary functionality required to include air and missile defense simulation in AWARS.

1.3 Analyze source code and documentation during on-site visits with the AWARS development team and users developers.

##### 2.0 Methodology Assessment

2.1 Develop alternative methodologies for including air and missile defense simulation within AWARS.

2.2 Provide a modification architecture for each alternative that describes the interactions with the AWARS backbone and affected process modules.

2.3 Assess the impacts of the proposed changes on scenario set-up time, simulation run time, and output fidelity.

2.3.1 Determine and insure data source availability for proposed AD/MD methodologies. Document data source procedure for acquiring required data.

2.4 Rank the alternatives in terms of capability, fidelity, flexibility, run time, and schedule risk.

### B PERIOD OF PERFORMANCE

21 AUG 02 – 30 APR 03

### C KEY PERSONNEL



### D DELIVERABLES

Item/Title	CDRL#	# Copies	Delivery Date
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Task Order Management Plan	A001	1 *	Per CDRL
Status Report	A002	1 *	Monthly
FMER	A003	1 *	Per CDRL
Interim Technical Report	A004	1	As Required
Final Technical Report	A005	1 *	31 MAR 03
Conference Minutes	A006	1	Per CDRL
Data Accession List	A007	1	Per CDRL

\* Plus Electronic Version.

#### E TRAVEL

ESTIMATED TRAVEL: Except for the locations listed below, 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.

Washington DC    Kansas City KS

#### F MATERIALS

ESTIMATED COST FOR MATERIALS AND/OR SPECIAL TEST EQUIPMENT: The contractor has no authority to incur material costs without the explicit 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

#### G 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 that 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.

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 that requires such approval and documentation.

H DISTRIBUTION

TASK ORDER MONITOR:

MAILING ADDRESS:

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 212 2020.0000 0 57-1052 122018.16000 2514 52R2B8 MIPR2KTRAC0030 014021  
COST 000000000000  
CODE:  
AMOUNT: \$165,559.24