

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. <b>DASG60-02-D-0013</b>	2. DELIVERY ORDER/ CALL NO. <b>001501</b>	3. DATE OF ORDER/CALL (YYYYMMDD) <b>2004 Oct 19</b>	4. REQ./ PURCH. REQUEST NO. <b>TH4SRE1EA3-00</b>	5. PRIORITY  <b>DX-A2</b>
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6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND [REDACTED] PO BOX 1500 HUNTSVILLE AL 35807-3801	CODE <b>W9113M</b>	7. ADMINISTERED BY (if other than 6) DCMA HUNTSVILLE BUILDING 4505, SUITE 301 MARTIN ROAD REDSTONE ARSENAL AL 35898-0001	CODE <b>S0107A</b>	8. DELIVERY FOB <input type="checkbox"/> DESTINATION <input checked="" type="checkbox"/> OTHER  (See Schedule if other)
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9. CONTRACTOR MADISON RESEARCH CORPORATION 401 WYNN DRIVE HUNTSVILLE AL 35805-1962 NAME AND ADDRESS	CODE <b>0A9A9</b>	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>	11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input checked="" type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
			12. DISCOUNT TERMS	
13. MAIL INVOICES TO THE ADDRESS IN BLOCK <b>See Item 15</b>				

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 <b>HQ0338</b>	<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 Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE	<input type="checkbox"/>	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 <b>\$95,000.00</b>
	CONTRACTING / ORDERING OFFICER	26. DIFFERENCES

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
f. TELEPHONE NUMBER	g. E-MAIL ADDRESS		32. PAID BY <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL

**36. I certify this account is correct and proper for payment.**

a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL
		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: TH4SRE1EA3-00				
				MAX COST	\$90,000.00

FOB: Origin

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: TH4SRE1EA3-00				
				MAX COST	\$0.00

FOB: Origin

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: TH4SRE1EA3-00

MAX COST

\$0.00

FOB: Origin

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: TH4SRE1EA3-00

MAX COST

\$5,000.00

FOB: Origin

BLOCK 17/BLOCK 18 CONTINUEDBLOCK 17 (DD1155) CONTINUED:

TASK ORDER FUNDS REQUIRED \$95,000

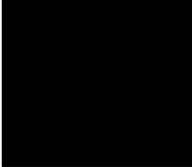
TASK ORDER FUNDS AVAILABLE \$95,000

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		\$90,000
*CONSULTANT TOTAL		\$0
T/O TOTAL LABOR		\$90,000
MATERIAL	NTE	\$0
TRAVEL	NTE	\$ 5,000
T/O TOTAL		\$95,000

\*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

A SOW

Statement of Work  
for  
Terminal High Altitude Area Defense (THAAD )  
System Integration Laboratory (SIL) and  
THAAD Evaluation Center (TEC)  
Software Independent Verification and Validation (SIV&V) Lab  
Verification and Validation (V&V)

SCOPE

1.0 Under this task, the contractor shall broaden the scope of the previously delivered SIL V&V Plan to include the TEC SIV&V. The plan shall be modified to represent a synergistic V&V plan for the SIL and TEC-SIV&V Laboratory. This new plan will identify V&V activities and processes for both laboratories which can be shared, as well as those which must remain unique for each laboratory.

1.1 The contractor will participate in working group sessions with the THAAD Project Office, ATEC, the TEC, and the THAAD Prime Contractor, as required, to identify Requirements and obtain data. Execution of the plan will be initiated, and continued through the preparations for the Initial THAAD Flight Test. A listing of the activities and processes for the forthcoming plan are listed below.

The activities to be performed include but are not limited to the following:

- Identification of Hardware and Software Commonalities
- Identification of Basic SIV&V Requirements
- Identification of Information and Data sources
- Documentation Reviews
- Qualification Test Witness
- Comparison of the THAAD SIL Test Results to Flight Test and Other Validated Simulations Test Results
- Document Results

1.2 V&V ACTIVITY SCHEDULE. The schedule below illustrates timelines associated with specific V&V activities which the V&V analysts plan to perform. If any schedule changes, funding issues, etc. arise, the V&V activities listed may not be supported in its entirety.

<b>THAAD SIL &amp; TEC SIV&amp;V V&amp;V Activities</b>						
<b>V&amp;V Activity</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>
Identify HW & SW Commonalities	▶──────────▶					
Identify SIV&V V&V Requirements	▶──────────▶					
Identification of Information and Data sources	▶──────────▶					
Deliver Modified SIL/SIV&V V&V Plan				▶		
Documentation Reviews	▶──────────▶					
Qualification Test Witness		▶──────────▶				
Comparison to FT and other Validated Data		▶──────────▶				
Document Results					▶──────────▶	
Deliver Final Report						▶

1.3 INFORMATION EXCHANGE AND INTERFACE WITH OTHER THAAD CONTRACTORS. The contractor shall interface, as required, with the THAAD prime contractor, Lockheed Martin Space Systems

Company; the Software Independent Verification and Validation contractor, COLSA, Huntsville, Al; the Hardware-in-the-Loop contractor, Tech Masters, Inc; and other SETA contractors in performance of this task order.

B POP

PERIOD OF PERFORMANCE: 19 Oct 05 – 28 Feb 05

C KEY PERSONNEL

KEY PERSONNEL: [REDACTED]

D DELIVERABLES

DELIVERABLES:

Item/Title	CDRL#	# Copies	Delivery Date
Task Order Management Plan	A001	1 *	Per CDRL
Status Report	A002	1	As Required
FMER	A003	1 *	Per CDRL
Interim Technical Report	A004	1	As Required
Final Technical Report	A005	2 *	28 Feb 05
Quarterly Transmittal Listing	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 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: \$5,000**

Sunnyvale, CA

F 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: \$0

G SPECIAL INSTRUCTIONS

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, 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.

H DISTRIBTUION

TASK ORDER DISTRIBUTION:

TASK ORDER MONITOR: [REDACTED]  
[REDACTED]

MAILING ADDRESS: [REDACTED]  
[REDACTED]

PROGRAM MANAGEMENT POC: [REDACTED]  
[REDACTED]

MAILING ADDRESS OF PROGRAM MANAGEMENT POC: [REDACTED]  
[REDACTED]

PROGRAM ANALYST POC: [REDACTED]  
[REDACTED]

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 9740400.2501 BM-THAD 40603881C00.0707 255Y TH4SRE1EA3 S01021 TH4SRE1EA3/4THEMD/TH  
AMOUNT: \$95,000.00