

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. <b>DASG60-02-D-0014</b>	2. DELIVERY ORDER/ CALL NO. <b>000420</b>	3. DATE OF ORDER/CALL <b>2002 Apr 22</b>	4. REQ./ PURCH. REQUEST NO. <b>TH2MFG5KA1-00</b>	5. PRIORITY <b>DX-A2</b>
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6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND PO BOX 1500 HUNTSVILLE AL 35807-3801	CODE <b>W9113M</b>	7. ADMINISTERED BY DCMA HUNTSVILLE BUILDING 4505, SUITE 301 MARTIN ROAD REDSTONE ARSENAL AL 35898-0001	CODE <b>S0107A</b>	8. DELIVERY FOB <input checked="" type="checkbox"/> DEST <input type="checkbox"/> OTHER  (See Schedule if other)
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9. CONTRACTOR DYNETICS, CAS & DAVIDSON, LLC P.O. BOX 5523 HUNTSVILLE AL 35814-5523	CODE <b>1VDA4</b>	FACILITY	10. DELIVER TO FOB POINT BY (Date) <b>SEE SCHEDULE</b>	11. MARK IF BUSINESS IS <input checked="" type="checkbox"/> SMALL <input 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 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) _____
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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
	<b>SEE SCHEDULE</b>				

<i>* 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.</i>	24. UNITED STATES OF AMERICA	25. TOTAL	\$1,914,000.00
		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.	28. DO VOUCHER NO.	30. INITIALS	33. AMOUNT VERIFIED CORRECT FOR
	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY		34. CHECK NUMBER
	31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL			

36. I certify this account is correct and proper for payment.  DATE _____ SIGNATURE AND TITLE OF CERTIFYING OFFICER _____					
37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.

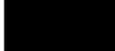
## Section B - Supplies or Services and Prices

BLOCK 17 DD1155 CONTINUED

TASK ORDER FUNDS REQUIRED	\$1,914,000
TASK ORDER FUNDS AVAILABLE	\$1,868,799
UNFUNDED BALANCE	\$ 45,201

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	\$1,858,224
*CONSULTANT TOTAL	 DPPHs	\$0
T/O TOTAL LABOR	 DPPHs	\$1,858,224
MATERIAL	NTE	\$0
TRAVEL	NTE	\$55,776
T/O TOTAL		\$1,914,000

\*\*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.

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001	SETAC - FP Labor	1	Lot	UNDEFINED	UNDEFINED

## COST

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: TH2MFG5KA1-00

MAX COST

\$1,858,224.00

FOB: Destination

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0003	Consultants	1	Lot	UNDEFINED	UNDEFINED

## COST

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: TH2MFG5KA1-00

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: TH2MFG5KA1-00

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: TH2MFG5KA1-00

MAX COST

\$55,776.00

FOB: Destination

## Section C - Descriptions and Specifications

### PERIOD OF PERFORMANCE

PERIOD OF PERFORMANCE: 24 APR 02 – 31 MAY 05

### 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, which is anticipated to be performed in FY02-FY04, 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.

### STATEMENT OF WORK

Reliability, Safety, and Environmental Engineering Support Statement of Work

1.0 The contractor shall provide specialized technical and programmatic support in Reliability, Availability, Maintainability, Testability (RAMT) for development of the THAAD EMD system. This shall include analysis of cost, schedule and technical aspects of the system development program. The contractor shall evaluate progress and perform analysis in the following technical areas: RAM design of the THAAD Radar, system, and other segments; testability design for detection and isolation of mission critical faults; reliability critical items; Failure Reporting, Analysis, and Corrective Action system; and Parts, Materials, and Processes Program. The contractor shall maintain RAM models, simulations and other analysis tools, and shall utilize those tools to independently evaluate performance against specification and User requirements. The contractor shall review and provide recommended changes to plans, specifications, and other program documentation. The contractor shall support EMD test planning. The contractor shall assist the government in IBR, TIMs, IPTs, component technical reviews, and the design reviews. The contractor shall perform related special studies and quick-reaction tasks as directed by the Reliability, Safety, and Environmental (RSE) Division of the Manufacturing & Product Assurance Directorate.

2.0 The contractor shall provide specialized technical and programmatic support in Environmental, Safety, and Health (ESH) for development of the THAAD EMD system. This shall include system safety assessments and analyses for BMC2, Radar, Launcher, and Missile; technical review of system and segment hazard analyses; and review of system and segment fault tree analyses. The contractor shall evaluate system safety program efforts and perform system assessment reviews to ensure the safe operation of the THAAD system. The contractor shall

support development of graphic models of failure events and critical fault paths that can lead to injury or death and provide recommendations to TPO regarding corrective action. The contractor shall perform technical reviews of the Safety Requirements/Criteria Analysis (SRCA), Subsystem Safety Hazard Analysis (SSHA), System Hazard Analysis (SHA), Safety Assessment Report (SAR) and Operating & Support Hazard Analysis (O&SHA) to ensure hazard causes are adequately identified, analyzed, and controlled. The contractor shall provide technical expertise to ensure resolution of safety critical issues, hazard closure, and coordination with other government safety evaluators/agencies. The contractor shall provide technical support for transition of PDRR program hazards to the EMD hazard Tracking System (HTS) and technical assessments of hazard updates and additions. The contractor shall support design reviews to ensure proper identification of safety critical requirements and hazard controls. The contractor shall also review test procedures and provide recommended changes to ensure adequate verification of safety controls.

3.0 Interface With Other THAAD Contractors: The contractor shall interface, as required, with the THAAD prime contractor, Lockheed Martin Space Systems Company, Sunnyvale, CA; the Simulation/Independent Verification and Validation contractor, COLSA Corporation, Huntsville, AL; the Hardware-in-the-Loop contractor, Tech Masters, Inc; and other SETA contractors, in performance of this task order.

#### MATERIALS

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

#### 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. 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: \$55,776

Washington DC   Boston, MA   Sunnyvale, CA   El Paso, TX   White Sands Missile Range, NM  
Dallas, TX

#### DELIVERABLES

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	1 *	31 May 05
Conference Minutes	A006	1	Per CDRL, as required
Data Accession List	A007	1	Per CDRL, as required

\* Plus Electronic Version.

DISTRIBUTION

TASK ORDER MONITOR: [REDACTED]

MAILING ADDRESS: [REDACTED]

PROGRAM MANAGEMENT POC: [REDACTED]

MAILING ADDRESS: [REDACTED]

PROGRAM ANALYST POC: [REDACTED]

MAILING ADDRESS: [REDACTED]

KEY PERSONNEL

KEY PERSONNEL: [REDACTED]

## Section G - Contract Administration Data

## ACCOUNTING AND APPROPRIATION DATA

AA: 9720400.2501 BM-THAD 50604861C00.2012 255Y TH2MFG5KA1 S01021 TH2MFG5KA1/2THEMD/TH  
COST 000000000000  
CODE:  
AMOUNT: \$616,000.00

AB: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3MFG5CA1 S01021 TH3MFG5CA1/3THEMD/TH  
COST 000000000000  
CODE:  
AMOUNT: \$111,440.00

AC: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3MFG5HA1 S01021 TH3MFG5HA1/3THEMD/TH  
COST 000000000000  
CODE:  
AMOUNT: \$35,299.00

AD: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3MFG5DA1 S01021 TH3MFG5DA1/3THEMD/TH  
COST 000000000000  
CODE:  
AMOUNT: \$151,440.00

AE: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3MFG5EA1 S01021 TH3MFG5EA1/3THEMD/TH  
AMOUNT: \$111,440.00

AF: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3MFG5FA1 S01021 TH3MFG5FA1/3THEMD/TH  
AMOUNT: \$237,740.00

AG: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3MFG5GA1 S01021 TH3MFG5GA1/3THEMD/TH  
AMOUNT: \$111,440.00

AH: 9740400.2501 BM-THAD 40603881C00.0707 255Y TH4MFG5FA1 S01021 TH4MFG5FA1/4THEMD/TH  
AMOUNT: \$324,000.00

AJ: 9740400.2501 BM-THAD 40603881C00.0707 255Y TH4MFG5HA2 S01021 TH4MFG5HA2/4THEMD/TH  
AMOUNT: \$0.00

AK: 9750400.2501 BM-THAD 40603881C00.0707 255Y TH5MFG5FA1 S01021 TH5MFG5FA1/5THEMD/TH0000  
AMOUNT: \$170,000.00