

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0009	2. DELIVERY ORDER/ CALL NO. 006015	3. DATE OF ORDER/CALL 2002 May 20	4. REQ./ PURCH. REQUEST NO. TH2MSL1FA1-01	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	CODE S0107A
8. DELIVERY FOB <input checked="" type="checkbox"/> DEST <input type="checkbox"/> OTHER (See Schedule if other)			

9. CONTRACTOR BAE SYSTEMS ANALYTICAL SOLUTIONS INC 1525 PERIMETER PKW, STE 500 HUNTSVILLE AL 35806	CODE OJLS6	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 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	<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 \$4,500,000.00
			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
		32. PAID BY	34. CHECK NUMBER	
			35. BILL OF LADING NO.	

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

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: TH2MSL1FA1-01				
				MAX COST	\$4,125,250.00

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: TH2MSL1FA1-01				
				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: TH2MSL1FA1-01

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: TH2MSL1FA1-01

MAX COST

\$374,750.00

FOB: Destination

BLOCK 17/BLOCK 18 CONTINUED

BLOCK 17 (DD1155) CONTINUED:

TASK ORDER FUNDS REQUIRED \$4,500,000

TASK ORDER FUNDS AVAILABLE \$3,833,000

UNFUNDED BALANCE \$ 667,000

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	\$4,125,250
*CONSULTANT TOTAL	██████████ DPPHs	\$0
T/O TOTAL LABOR	██████████ DPPHs	\$4,125,250
MATERIAL	NTE	\$0
TRAVEL	NTE	\$374,750
T/O TOTAL		\$4,500,000

**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

B - POP

PERIOD OF PERFORMANCE: 20 MAY 02 – 31 DEC 05

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, which is anticipated to be performed in FY02-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.

A - SOW

THAAD Missile Segment Systems Engineering Support

The contractor shall support the THAAD Project Office (TPO) Missile Directorate in its development of the Missile segment and its interface with the Prime Contractor.

1.1 THAAD Performance Support

The contractor shall provide support to guidance, autopilot, target tracking, threat processing algorithm development. The contractor shall provide overall performance assessments. The contractor shall maintain TMSIM for Missile Directorate and perform independent assessment of TMSIM and missile performance. Implement data reduction and analysis tool for assessment of HWIL and flight test data. The contractor shall support Missile Systems Analysis and Requirements Analysis IPT's. The contractor shall provide support specifically for the AFS, Seeker, and Missile Component CDR's and other assembly CDR's as necessary. The contractor shall provide support for Missile/WSEIT TIMS and all IDR's leading up to the Missile CDR. The contractor shall provide an independent review of HWIL data generated in support of software development and checkout for various software versions.

1.2 THAAD Missile Program Support

The contractor shall provide general Program support to the Missile Directorate. The contractor shall build and maintain missile briefings required by the THAAD Program. The contractor shall review, assess, and coordinate inputs to THAAD program and Missile level documentation. This documentation includes but is not limited to the CARD, POM, TEMP, ORD, Security Class Guide, Range Documentation, Target Requirements Document,

THAAD System and Missile Round Specifications. The contractor shall provide support to the Missile TRT on weekly basis and track action items. The contractor shall provide support to the development of CDR entrance criteria and track concurrence of Government POC's. The contractor shall provide support to plan and implement the CDR IDR process and content.

1.3 THAAD Missile Systems Engineering Verification Support

The contractor shall provide support to the Missile Systems Engineering Verification IPT. The contractor shall support Nuclear Survivability (NS) requirements flowdown, NS studies for Missile CDR and support preparation for draft NS compliance documents. The contractor shall review Nuclear Survivability package and support Nuclear Survivability LINAC tests. The contractor shall support the evaluation of NS impact on parts obsolescence and piece part test results. The contractor shall provide support to review, assess, and update the Missile Master Test Plan, Verification plan, and CIDS Verification section for assembly CDRs. The contractor shall provide support to update the Missile and Assembly Common Verification Database for Missile CDRs. Support updates to the Missile Mission Critical Function analysis for Assembly and Missile CDRs. Support coordination of test objectives for Integration Assembly and Test operations. Support Missile Integrated Verification Plan and HWIL plan for Missile and Assembly CDRs. The contractor shall support environmental requirements updates. The contractor shall support security engineering studies. The contractor shall support System electromagnetic compatibility and electromagnetic interference control design analysis for Missile and Assembly CDRs.

1.4 THAAD Systems Engineering Requirements Support

The contractor shall provide support to the Missile Systems Engineering Requirements IPT. The contractor shall support requirements analysis for Missile and Assembly CDRs requirements analysis, delta CDR, TPM development, and updates to the MR specification. The contractor shall also support MR and Assembly requirements traceability updates for CDRs and a Requirements Flowdown/Traceability Audit in preparation for Missile and Assembly CDRs.

1.5 THAAD Systems Engineering Integration Support

The contractor shall provide support to the Missile Systems Engineering Integration IPT. The contractor shall assess adequacy of design against external and internal interface requirements. The contractor shall provide technical assessment of issues crossing IPT boundaries that affect overall missile performance (i.e. iso-timeline, TOM, boost IFTU, etc.) and make recommendations to Government IPT lead on adequacy of technical solutions. Assist in the development of TSDD input to WSEIT to reflect detailed design for CDR. The contractor shall prepare and coordinate design integration activities for CDR. The contractor shall perform risk management activities and report on risk assessments. The contractor shall review functional architectures and functional block diagrams to finalize Missile system functional integration for CDR. The contractor shall support flight sciences analyses, trade studies and analysis to establish requirements. The contractor shall support submittal of program/segment CDRLS. The contractor shall prepare input on anti-tampering assessment for CDR. The contractor support Ground Test Programs for Flight-1. Support First PQT Missile Integration. Provide support to Life cycle cost and AUPC analysis update for CDR. Provide input to System/Segment Metrics Program (TPMs, KPPs, etc.)

1.6 THAAD Missile Integration, Assembly, and Test Support

The contractor shall review and assess Missile Integration, Assembly, and Test (IA&T) Procedures and proofing of Missile IA&T Procedures. The contractor shall review and assess implementation of Missile IA&T procedures at THAAD Prime Contractor IA&T Operations/Sunnyvale and as they are transitioned to the Missile Production Facility/Pike County. The contractor shall participate and witness the Assembly and Test of Engineering

Development Unit and Ground Test Unit Missile Rounds by the THAAD Prime Contractor and provide assessments. The contractor shall review and assess development of Production Test Equipment and evaluate its relationship to the system peculiar support equipment and review the Missile Checkout Console (MCC) Self Test HW & SW. Review and assess THAAD Prime Contractor development of the test strategy and specific test program sets for Missile IA&T. The contractor shall participate in the Vehicle Assembly and Test IPT and its sub-tier teams as required. The contractor shall support the THAAD Project Office in its interface with the Prime Contractor's Development Test Engineering Team. Review test plans, procedures, and results of development tests conducted by the THAAD Prime Contractor or other entities as required. The contractor shall provide technical oversight to Missile Segment development tests and design verification tests conducted by the THAAD Prime Contractor. The contractor shall witness and assess operations of the THAAD Prime Contractor in the Missile System Integration Laboratory as required. Witness and assess HW/SW integration activities in the MTDL as required. The contractor shall analyze and report missile segment test data provided by the MCC. The contractor shall monitor and assess subcontractor compliance with the Vendor TMUX Assembly.

1.7 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 (HWIL) contractor, Tech Masters, Inc; and other SETA contractors, in the performance of this task order.

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

E - TRAVEL

ESTIMATED TRAVEL: Except for the locations listed below, the contractor has no authority to incur travel costs without explicit written approval (Email is 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 circumstances shall the contractor incur travel costs in excess of the NTE amount stated herein. NTE: \$374,750

Sunnyvale, CA
Washington, DC
Baltimore, MD
Riverside, CA
Santa Rosa, CA
Boston, MA (BAE)
Tampa, FL (Clearwater)
Joplin, MO (Eagle Picher)
Canoga Park, CA (Boeing/Rocketdyne)
San Jose, CA (Pratt & Whitney/CSD)
Redmond, WA (PRIMEX Aerospace Co)

WSMR, NM
Troy, AL
Camden, AR
Dallas, TX

D - DELIVERABLES

DELIVERABLES:

Item/Title	CDRL#	# Copies	Delivery Date
Task Order Management Plan	A001	1*	Per CDRL
FEMR	A003	1*	Per CDRL
Interim Technical Reports/Briefings	A004	1*	As Required
Final Technical Report	A005	1*	31 Dec 05
Conference Minutes	A006	1	As Required
Data Accession List	A007	1	Per CDRL

* plus electronic version

H - DISTRIBUTION

TASK ORDER MONITOR: [REDACTED]

MAILING ADDRESS: [REDACTED]

PROGRAM MANAGEMENT POC: [REDACTED]

Program Management Mailing Address: [REDACTED]

PROGRAM ANALYST POC: [REDACTED]

Program Management Mailing Address: [REDACTED]

C - KEY PERSONNEL

KEY PERSONNEL: [REDACTED]

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 9720400.2501 BM-THAD 50604861C00.2012 255Y TH2MSL1FA1 S01021 TH2MSL1FA1/2THEMD/TH
COST 000000000000
CODE:
AMOUNT: \$500,000.00

AB: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3MSL1AA3 S01021 TH3MSL1AA3/3THEMD/TH
AMOUNT: \$1,264,000.00

AC: 9740400.2501 BM-THAD 40603881C00.0707 255Y TH4MSL1AA3 S01021 TH4MSL1AA3/4THEMD/TH0000
AMOUNT: \$1,269,000.00

AD: 9750400.2501 BM-THAD 40603881C00.0707 255Y TH5MSL1AA3 S01021 TH5MSL1AA3/5THEMD/TH0000
AMOUNT: \$800,000.00