# ORDER FOR SUPPLIES OR SERVICES



| 1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. | 2. DELIVERY ORDER/ CALL NO. | 3. DATE OF ORDER/CALL | 4. REQ./ PURCH. REQUEST NO. | 5. PRIORITY |
|---|---|---|---|---|
| DASG60-02-D-0010 | 001718 | 2002 Apr 24 | TH2SRE1BA2-01 | DX-A2 |

**6. ISSUED BY** CODE W9113M
US ARMY SPACE & MISSILE DEFENSE COMMAND
[redacted]
PO BOX 1500
HUNTSVILLE AL 35807-3801

**7. ADMINISTERED BY** CODE S2404A
DCM BALTIMORE-MANASSAS
10500 BATTLEVIEW PKWY
SUITE 200
MANASSAS VA 20109-2342

**8. DELIVERY FOB**
[X] DEST
[ ] OTHER
(See Schedule if other)

**9. CONTRACTOR** CODE 52939 FACILITY
COMPUTER SCIENCES CORPORATION
FEDERAL SECTOR-DEFENSE GROUP
3160 FAIRVIEW PARK DRIVE
FALLS CHURCH VA 22042

**10. DELIVER TO FOB POINT BY (Date)**
SEE SCHEDULE

**11. MARK IF BUSINESS IS**
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

**12. DISCOUNT TERMS**

**13. MAIL INVOICES TO THE ADDRESS IN BLOCK**
See Item 15

**14. SHIP TO** CODE
SEE SCHEDULE

**15. PAYMENT WILL BE MADE BY** CODE HQ0338
DFAS-COLUMBUS CENTER
DFAS-CO/SOUTH ENTITLEMENT OPERATION
P.O. BOX 182264
COLUMBUS OH 43218-2264

**MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.**

| 16. TYPE OF ORDER | | | |
|---|---|---|---|
| | DELIVERY/ CALL | X | 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<br>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 (YYYYMMMDD)

[ ] 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
[redacted]
[redacted]
CONTRACTING / ORDERING OFFICER

25. TOTAL $811,861.00
29. DIFFERENCES

26. QUANTITY IN COLUMN 20 HAS BEEN
[ ] INSPECTED [ ] RECEIVED [ ] ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

DATE | SIGNATURE OF AUTHORIZED GOVT. REP.

27. SHIP NO.
[ ] PARTIAL
[ ] FINAL

28. DO VOUCHER NO.

30. INITIALS

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

31. PAYMENT
[ ] COMPLETE
[ ] PARTIAL
[ ] FINAL

34. CHECK NUMBER

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

DATE | SIGNATURE AND TITLE OF CERTIFYING OFFICER

35. BILL OF LADING NO.

| 37. RECEIVED AT | 38. RECEIVED BY | 39. DATE RECEIVED (YYYYMMMDD) | 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 | | 1 | Lot | UNDEFINED | UNDEFINED |

SETAC - FP Labor

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: TH2SRE1BA2-01

MAX COST $772,461.00

FOB: Destination

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

Consultants

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: TH2SRE1BA2-01

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: TH2SRE1BA2-01

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: TH2SRE1BA2-01

MAX COST $39,400.00

FOB: Destination

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

| | |
|---|---|
| TASK ORDER FUNDS REQUIRED | $811,861 |
| TASK ORDER FUNDS AVAILABLE | $711,861 |
| UNFUNDED BALANCE | $100,000 |

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 | [redacted] | DPPHs | $772,461 |
| *CONSULTANT TOTAL | [redacted] | DPPHs | $0 |
| T/0 TOTAL LABOR | [redacted] | DPPHs | $772,461 |
| MATERIAL | | NTE | $0 |
| TRAVEL | | NTE | $39,400 |
| T/O TOTAL | | | $811,861 |

**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: 24 APR 02 – 30 NOV 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-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.

Effort completed under this T/O requires access to Special Compartmental Information (SCI) data. SCI access is allowable in accordance with the DD Form 254, Contract Security Classification Specification, incorporated into the contract under which this T/O is executed. Certain contractor personnel must possess TOP SECRET/Sensitive Compartmental Information (SCI) Clearance access and/or be eligible for immediate adjudication by the cognizant security authority. It is incumbent upon the contractor to obtain appropriate approval for individual SCI billets from the SCI monitor listed in the DD254.

A - SOW
Nuclear Survivability Statement of Work

1.0 The contractor shall provide all labor, material, technical assistance and services in support of the THAAD Project Office (TPO) System Engineering requirements activities.

1.1 Engineering, Manufacturing and Development (EMD) Analysis and Documentation. The contractor shall support TPO in its efforts to ensure a successful THAAD EMD program. This involves a primary support role of the Systems Engineering Directorate which examines all activities required for evaluation of critical issues associated with system requirements. In particular, these activities include:

1.1.1 Review of detailed requirements and verification methodologies.

1.1.2 Identification of additional methodologies required to support verification/evaluation.

1.1.3 Identification of factors, data requirements, and performance measures.

1.1.4 Review of plans, schedules and status of evaluation activities.

1.1.5 Review of the prime contractor's analysis effort in EMD Requirements Verification.

1.1.6 Support of TPO technical data reporting requirements at EMD major milestones.

1.1.7 Support in the continued development of system specifications.

2.0 The contractor shall support the TPO in its efforts to ensure a successful EMD program. In this effort the contractor shall conduct system engineering and performance analyses of the THAAD system designs to determine the effectiveness against various threats containing nuclear weapons. These analyses shall model all phases of the THAAD system operation including the radar and missile elements. The impact of the hostile environments resulting from the detonation of nuclear weapons shall be included. The models used in these analyses shall have been approved by the TPO and have been demonstrated to produce accurate results in previous nuclear system engineering and performance analyses of the THAAD system since MSI. The results of these analyses shall include but not be limited to defended area footprints that indicate the performance metrics that will be needed for EMD.

3.0 The contractor shall provide engineering analysis and test support to the TPO System and Test Division. This support shall be focused on techniques to communicate the ground-based radar test requirements relative to the target/threat system participating in the test.

4.0 THAAD System Confidence Assessment. The contractor shall continue development and application of the Expanded Confidence Assessment Process (ExCAP) to the THAAD weapon system. The contractor shall apply ExCAP to the question of readiness for flight testing by analyzing all relevant test data, similar systems data (if available), and historical data that might be applicable. The assessment shall include best estimates and bounds that reflect the amount of uncertainty introduced by using subsystems or components test data.

Task 2 – Kinetic Energy Debris Distribution (KIDD):

1.0 The contractor shall provide all labor, material, technical assistance and services in support of the THAAD Project Office System Engineering interoperability activities.

1.1 The contractor shall make enhancements to the Kinetic Energy Debris Distribution (KIDD) intercept debris model to support TPO, Prime Contractor, and SETA Contractor analyses and simulations. The contractor shall collect debris data from test events and use these data along with analytical models to add and improve functionality and validity of KIDD to simulate debris from THAAD intercepts for the spectrum of THAAD threats and engagement conditions. Support of integrating KIDD into other THAAD simulations and testbeds, in particular, the System Integration Lab (SIL) shall be provided. The contractor shall document the data analysis performed and software developed and delivered.

1.2 The contractor shall participate in the THAAD Threat Working Group. The contractor shall support this activity as needed in the areas of: threat definition, signature modeling, and the assessment of performance implications due to postulated threat characteristics.

Applicable to Tasks 1 and 2:
INFORMATION EXCHANGE AND INTERFACE WITH OTHER THAAD CONTRACTORS. The contractor shall exchange technical information and interface, as required, with the THAAD prime contractor, Lockheed Martin, Sunnyvale CA and Huntsville AL; all the Major Subcontractors to Lockheed including, but not limited to, Raytheon Companies, Bedford MA, Andover MA, WSMR NM, Dallas TX, Forest MS, Huntsville AL; UTC, San

Jose CA; Boeing, Canago Park CA; Lockheed Sanders, Chelmsford MA, and Nashua NH; Honeywell, Clearwater FL; the Software/Independent Verification and Validation contractor, COLSA Corporation, Huntsville AL; the THAAD Simulation-Over-Live-Driver (SOLD) contractor, Tech Masters.; SPARTA, Huntsville AL and Washington DC; CRC, Huntsville AL; SAIC, Huntsville AL 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

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.

Task 1: NTE: $35,800
Locations: Sunnyvale, CA and Boston, MA

Task 2:
NTE: $3,600
Locations: Holloman AFB, NM and WSMR, NM

D - 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 * | 30 NOV 05 |
| KIDD Updated SW and Documentation | A005 | 2 | Per CDRL |
| Conference Minutes | A006 | 1 * | Per CDRL |

Trip Rpts/Mtg Minutes

| | | | |
|---|---|---|---|
| Data Accession List | A007 | 1 | Per CDRL |

* Plus Electronic Version.

H - DISTRIBUTION

TASK ORDER MONITOR FOR TASK 1: [redacted]

MAILING ADDRESS: [redacted]

TASK ORDER MONITOR FOR TASK 2: [redacted]

THAAD Project Office, ATTN: [redacted]

PROGRAM MANAGEMENT POC FOR TASKS 1 AND 2: [redacted]

MAILING ADDRESS: [redacted]

PROGRAM ANALYST POC [redacted]

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 TH2SRE1BA2 S01021 TH2SRE1BA2/2THEMD/TH
COST CODE: 000000000000
AMOUNT: $6,000.00

AB: 9710400.2501 5Q-5Q08 50604861C00.2260 255Y 4P1SRE1EA2 S01021 4P1SRE1EA2/14PEXE/4P
COST CODE: 000000000000
AMOUNT: $16,000.00

AC: 9720400.2501 BM-THAD 50604861C00.2012 255Y TH2SRE1EA2 S01021 TH2SRE1EA2/2THEMD/TH
COST CODE: 000000000000
AMOUNT: $58,000.00

AD: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3SRE1EA2 S01021 TH3SRE1EA2/3THEMD/TH
COST CODE: 000000000000
AMOUNT: $238,000.00

AE: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3SRE1BA2 S01021 TH3SRE1BA2/3THEMD/TH
COST CODE: 000000000000
AMOUNT: $47,000.00

AF: 9740400.2501 BM-THAD 40603881C00.0707 255Y TH4SRE1BA2 S01021 TH4SRE1BA2/4THEMD/TH
AMOUNT: $75,000.00

AG: 9740400.2501 BM-THAD 40603881C00.0707 255Y TH4SRE1BA1 S01021 TH4SRE1BA1/4THEMD/TH0000
AMOUNT: $165,861.00

AH: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3SRE1EA3 S01021 TH3SRE1EA3/3THEMD/TH
AMOUNT: $6,000.00

AJ: 9750400.2501 BM-THAD 40603881C00.0707 255Y TH5SRE1BA1 S01021 TH5SRE1BA1/5THEMD/TH00000
AMOUNT: $100,000.00