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-0014	000229	2002 Apr 22	TH2SRE1QA4-01	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 S0107A
DCMA HUNTSVILLE
BUILDING 4505, SUITE 301
MARTIN ROAD
REDSTONE ARSENAL AL 35898-0001

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

9. CONTRACTOR CODE 1VDA4 FACILITY
DYNETICS, CAS & DAVIDSON, LLC
P.O. BOX 5523
HUNTSVILLE AL 35814-5523

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

11. MARK IF BUSINESS IS
[X] 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 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 $3,389,727.00
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: TH2SRE1QA4-01

MAX COST $3,258,366.00

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: TH2SRE1QA4-01

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: TH2SRE1QA4-01

MAX COST $67,132.00

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: TH2SRE1QA4-01

MAX COST $64,229.00

FOB: Destination

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

TASK ORDER FUNDS REQUIRED	$3,389,727
TASK ORDER FUNDS AVAILABLE	$3,389,727
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	[redacted] DPPHs	$3,258,366
*CONSULTANT TOTAL	[redacted] DPPHs	$0
T/0 TOTAL LABOR	[redacted] DPPHs	$3,258,366
MATERIAL	NTE	$67,132
TRAVEL	NTE	$64,229
T/O TOTAL		$3,389,727

**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

PERIOD OF PERFORMANCE
PERIOD OF PERFORMANCE: 24 APR 02 – 28 FEB 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-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.

GOVERNMENT FURNISHED PROPERTY: The following Government Furnished Property or Test Facilities are available for use in performance of this Task Order:

STAMP/MVS	Systems Analysis Tasks
DICE	Systems Analysis Tasks
ETESIM	Systems Analysis Tasks
THAADSIM	Systems Analysis Tasks

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.

War Zone Clauses: FAR 52.228-3, Worker's Compensation Insurance (Defense Base Act); FAR 52.228-4, Workers Compensation and War Hazard Insurance Overseas; DFARS 252.228-7000, Reimbursement for War Hazard Losses; DFARS 252.228-7003 - Capture and Detention; DFARS 252.225-7043, Antiterrorism/Force Protection Policy for Defense Contractors Outside the United States; DFARS 252.209-7001, Disclosure of Ownership or Control by the Government of a Terrorist Country; and Section H clauses entitled "Contingency/War Clause" and "Services Furnished by the Government".

STATEMENT OF WORK

"SYSTEMS ANALYSIS AND SPECIALTY ENGINEERING" STATEMENT OF WORK
1.0 SYSTEMS ANALYSIS. The contractor shall provide systems engineering expertise for Theater High Altitude Area Defense (THAAD) to support performance assessments, requirements analysis, and external agency support. The contractor shall provide systems analysis in support of Element and Component Preliminary and Critical Design Reviews and other key program events as defined in the THAAD Integrated Master Plan (IMP). The contractor shall provide assessments and analyses to support senior management reviews, to include Missile Defense Agency (MDA) reviews. The contractor shall develop special study briefings and quick response actions briefings as required.

1.1 SYSTEM PERFORMANCE ASSESSMENTS. The contractor shall perform capabilities-based performance assessments, mass raid analysis, and key algorithm performance assessments to supporting Element/Component design reviews and senior management reviews. The contractor shall develop defense designs, quantify the defended area, and evolve this assessment as the Operational Requirements Document (ORD)/Technical Objectives and Goals (TOG), Threat Notebook, and THAAD System Specification (TSS) are updated. The contractor shall map defended area as a function of system effectiveness considering excursions off ORD threat launch regions and benefits of cueing from external sources. The contractor shall assess mass raid performance considering radar loading and augmentation in addition to flash planning. The contractor shall include in mass raid analysis investigations of track correlation, discrimination, and most lethal object selection impacts on augmented performance. The contractor shall investigate the performance of key algorithms in a capabilities-based context. The contractor shall characterize threats including concept/descriptions, Radar Cross Section (RCS), Infrared (IR) signatures, trajectories and dynamics to support systems performance assessments. The contractor shall update tools to support capabilities based assessments of Element performance.

1.2 REQUIREMENTS ANALYSIS. The contractor shall conduct analysis to support substantiation of the TSS. The contractor shall evaluate requirements trace matrices, TSS requirements, and support post-Preliminary Design Review (PDR) Interface Specification (IFS) rework efforts. The contractor shall review the THAAD System Design Document (TSDD) and provide comments on the rationale of requirements allocations. The contractor shall conduct independent assessments of specification requirements. The contractor shall support Element and Component design reviews and Incremental Design Reviews (IDRs) including evaluation of Integrated Master Plan (IMP) completion criteria. The contractor shall monitor/assess TSS changes as required.

1.3 EXTERNAL AGENCIES. The contractor shall support exercises and conduct analysis for external agency coordination to include the development of defense designs, performance assessments, MDA responses, growth studies and development of simulation inputs reflecting THAAD performance. The contractor shall develop defense designs, performance assessments, prepare and present briefing material and provide subject matter expertise, as required, in order to substantiate the growth potential of advanced radar and interceptor concepts as applied to the THAAD Element within new capabilities based roles outside the current performance requirement specifications. The contractor shall provide assistance in the preparation of external agency meetings, development of briefings and analysis and corresponding documentation as required.

2.0. SPECIALTY ENGINEERING. The contractor shall provide specialty engineering support in the areas of Survivability and E3I, Models and Simulations, and System Security

2.1 SURVIVABILITY AND E3I. The contractor shall provide expertise in Survivability and E3 to support technical evaluations including design reviews to ensure survivability/E3 are incorporated, evaluation of Government Furnished Equipment (GFE) survivability, and verification of the System Electromagnetic (EMC). The contractor shall provide expertise for the review of program documentation including the Survivability Program Plan, (Electromagnetic Impulse EMI) Control Plan, and design parameters reports. The contractor shall provide Survivability and E3 expertise to support formal design reviews, working groups, and Integrated Product Teams (IPTs) as required.

2.2 MODELS AND SIMULATIONS. The contractor shall provide expertise to the models and simulation efforts. The contractor shall support development/review of simulation guidelines and simulation requirements. The contractor shall provide radar subject matter expertise to Simulation IPTs as required.

2.3 SYSTEM SECURITY. The contractor shall review, prepare, and revise security documentation as required to include: THAAD Program Protection Plan, THAAD Operation Security Plan, Military Critical Technology List, THAAD Classification Guide, DoD Information Technology Security Certification and Accreditation Plan, and the System Security Authorization Plan. The contractor shall provide System Security expertise to support review of prime contractor's system security requirements, updates to threat and vulnerability

analyses, TEMPEST Control Plan and to support development of Anti-Tamper requirements and identify developing critical program information.

2.4 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.

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: $67,132

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: $64,229

Washington DC Colorado Springs, CO Sunnyvale, CA El Paso, TX Boston, MA
DePeel, Netherlands

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*	28 FEB 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 [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 TH2SRE1ZA2 S01021 TH2SRE1ZA2/2THEMD/TH
COST CODE: 000000000000
AMOUNT: $343,888.00

AB: 9720400.2501 BM-THAD 50604861C00.2012 255Y TH2SRE1QA4 S01021 TH2SRE1QA4/2THEMD/TH
COST CODE: 000000000000
AMOUNT: $392,750.00

AC: 9720400 2520 40603880C 2525 BMDO0125790107 012123
COST CODE: 000000000000
AMOUNT: $10,000.00

AD: 9720400 2520 40603880C 2525 BMDO0125890170 012123
COST CODE: 000000000000
AMOUNT: $24,467.00

AE: 9730400.2501 BM-THAD 50604861C00.2011 255Y TH3SRE1HA2 S01021 TH3SRE1HA2/3THEMD/TH
COST CODE: 000000000000
AMOUNT: $1,360,000.00

AF: 973 0400.2501 36-6011 P40603880C00-2514 DR3C720900 S01021 DR3C720900/3HHN64/H
AMOUNT: $20,000.00

AG: 9730400 2520 40603880C 2525 BMDO0127572743 012123
AMOUNT: $32,000.00

AH: 9730400 2520 40603880C 2525 BMDO0135635649 012123
AMOUNT: $26,389.00

AJ: 9740400.2501 BM-THAD 40603881C00.0707 255Y TH4SRE1HA1 S01021 TH4SRE1HA1/4THEMD/TH
AMOUNT: $595,000.00

AK: 9740400.2520 40603889C 2525 BMDO0136807823 012123
AMOUNT: $24,473.00

AL: 9740400 2520 40603889C 2525 BMDO0137519494 012123
AMOUNT: $18,316.00

AM: 9740400.2501 BM-THAD 40603881C00.0707 255Y TH4SRE1HA2 S01021 TH4SRE1HA2/4THEMD/TH
AMOUNT: $505,000.00

AN: 9740400.2520 40603890C 2525 BMDO0144761074 012123
AMOUNT: $12,000.00

AP: 9740400.2501 BM-THAD 406038891C00.0703 255Y TH4CUST3A1 S01021 TH4CUST3A1/4THCUS/TH
AMOUNT: $25,444.00

AQ: 9740400.2501 BM-THAD 40603890C00.0105 255Y TH4MDA1AA5 S01021 TH4MDA1AA5/4THMDA/TH0000
AMOUNT: $0.00