

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0014	2. DELIVERY ORDER/ CALL NO. 000234	3. DATE OF ORDER/CALL 2002 Apr 22	4. REQ./ PURCH. REQUEST NO. TH2SRE1QA4-01	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)
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9. CONTRACTOR DYNETICS, CAS & DAVIDSON, LLC P.O. BOX 5523 HUNTSVILLE AL 35814-5523	CODE 1VDA4	FACILITY	10. DELIVER TO FOB POINT BY (Date) SEE SCHEDULE	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 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 [REDACTED]	25. TOTAL \$3,946,035.00	CONTRACTING / ORDERING OFFICER
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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
36. I certify this account is correct and proper for payment. DATE _____ SIGNATURE AND TITLE OF CERTIFYING OFFICER _____	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
	<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		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 C - Descriptions and Specifications

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, [REDACTED] all the Major Subcontractors to [REDACTED] including, but not limited to [REDACTED] [REDACTED] and other SETA contractors in the performance of this task order.

