

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0014	2. DELIVERY ORDER/ CALL NO. 000820	3. DATE OF ORDER/CALL 2002 Apr 24	4. REQ./ PURCH. REQUEST NO. TH2SIV1JA3-00	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	25. TOTAL \$4,827,900.00
		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. <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	28. DO VOUCHER NO.	30. INITIALS
	31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR

36. I certify this account is correct and proper for payment. DATE SIGNATURE AND TITLE OF CERTIFYING OFFICER	34. CHECK NUMBER	35. BILL OF LADING NO.
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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

SYSTEM INTEGRATION AND VERIFICATION TECHNICAL SUPPORT

1.0 SYSTEM INTEGRATION AND VERIFICATION SUPPORT. The contractor shall provide technical support for Theater High Altitude Area Defense (THAAD) system integration and verification (SI&V) to include program technical baseline integration, requirements integration and compliance verification, design integration and verification, and product integration and verification. The contractor shall provide technical expertise to the SI&V Integrated Product Team (IPT), Modeling and Simulation Working Group (M&SWG), Integrating IPT, the THAAD Planning Cell, the Test Integration Working Group (TIWG), and other IPTs and Working Groups as necessary. The contractor shall provide assessments and analyses in support of Component and Element Preliminary and Critical Design Reviews, and other Program Key Events defined in the THAAD Integrated Master Plan (IMP). The contractor shall provide Element level assessments and analyses in support of those activities leading up to, and during, system integration in the System Integration Laboratory (SIL) in Sunnyvale, California; Government tests and demonstrations in the THAAD Evaluation Center (TEC) and at the Redstone Technical Test Center on Redstone Arsenal; system integration and flight tests at White Sands Missile Range and the Pacific Missile Range Facility; and system specification compliance verification in the SIL. The contractor shall provide Element level assessments and analyses in support of senior management reviews, to include the Block 04, 06, 08, and future block contract decisions, Initial Production decision, preliminary fielding, and Full Production Decision (Milestone C); Missile Defense Agency (MDA) and National Team reviews, Senior Executive Council (SEC) activities, and Missile Defense Support Group (MDSG) activities. The contractor shall support development of special briefings for the THAAD Systems Engineer. The contractor shall support quick reaction activities, as they may be required on occasion. The contractor shall provide technical assistance for coordination with the MDA and other Defense offices and Agencies in the Washington, DC area. The contractor shall provide technical support to Ballistic Missile Defense System (BMDS) Integration including coordination with organizations in the MDA and National Team, and participation on MDA and National Team working groups as necessary.

1.0 COMPONENT INTEGRATION SUPPORT. The contractor shall provide technical support to the SI&V representatives in the Component Product Offices and Directorates as necessary. The contractor shall provide technical expertise in support of the Interface Control Working Groups (ICWGs).

2.0 JOINT TECHNICAL ARCHITECTURE SUPPORT. The contractor shall provide technical support for THAAD Joint Technical Architecture (JTA) compliance assessment. The contractor shall provide functional modeling expertise to support updates of the system activity and data modeling products to maintain currency with the THAAD FBL and ABL. The contractor shall assess applicability of emerging technical standards for the THAAD Components, provide technical expertise to development of a JTA compliance matrix, and identify and develop waivers for non-applicable standards or standards not being met. The contractor shall also provide technical and modeling expertise to THAAD data model (IDEF1) and System Data Administration Plan development efforts.

4.3-3.0 SYSTEM VERIFICATION SUPPORT. The contractor shall provide technical support for THAAD system verification. The contractor shall assist the Government through the System Verification Working Group (SVWG), System Test IPT, and Ground Test Working Group (GTWG) in ensuring that Contractor and Government verification planning, preparation, execution, evaluation and reporting are balanced and coordinated to support both the Contractor's specification compliance verification and Modeling and Simulation (M&S) validation efforts, as well as the Government's verification, validation, and accreditation (VV&A) functions. The contractor shall leverage previous functional modeling efforts to develop requirements and design integration tools to support flight test matrix planning and the system verification program. The contractor shall support the analysis, traceability, and completeness of the verification requirements [Section 4 verification requirements and Requirement Verification Cross Reference

Matrices (VCRMs)] in the THAAD FBL and ABL specifications. The contractor shall provide technical expertise to assist the Contractor and Government upgrade and maintain the Master Verification Plan (MVP), Master Test Plan (MTP), Master Analysis Plan (MAP), Master Inspection Plan (MIP), Common Verification Database (CVD), Mission Critical Functions (MCFs), FFBDs, and system threads for implementation into the overall system verification program. The contractor shall provide THAAD Element level assessments and analyses in support of the Ground Test Plan, and detailed plans for Government tests and demonstrations including Ground testing and demonstration, Developmental Flight Testing, and Production Qualification Testing (PQT).

6.0 SYSTEM INTEGRATION LABORATORY TECHNICAL SUPPORT. The contractor shall provide technical expertise for the development, integration, qualification, operation, and maintenance of the THAAD SIL and Integrated Test Set (ITS). The contractor shall assist the Government through the SIL IPT, System Software IPT, and System Test IPT. The contractor shall provide technical expertise to assist the Contractor and Government upgrade and maintain the Hardware-in-the-Loop (HWIL) Plan, SIL requirements and design documentation, Software Test Plans (STPs) and Software Test Descriptions (STDs), SIL Qualification Test Plans, and the SIL Operations Plan. The contractor shall provide assessments and analyses in support of SIL Technical Interchange Meetings (TIMs) and Incremental Design Reviews (IDRs). The contractor shall provide technical expertise to assist the Government and THAAD Prime Contractor during SIL hardware buildup and software coding and test phases, and especially through SIL, Weapon System, Launch & Flight Test Equipment, and Simulation Over Live Driver (SOLD) integration and test in the SIL, and formal system testing in the SIL. The contractor shall provide technical expertise to assist the Government and THAAD prime contractor during installation and qualification of the ITS, SIL Engagement Manager software, and Component modules in the TEC.

6.1 INTEGRATED MASTER SCHEDULE AND COST ANALYSIS REQUIREMENTS DOCUMENT SUPPORT. The contractor shall provide technical support for technical program integration activities including the THAAD IMP, contractor and Government Integrated Master Schedule (IMS) maintenance, Cost Analysis Requirements Description (CARD) updates, risk management program execution, and programmatic briefing development. The contractor shall support routine status reports and updates of the Government IMS including preparation of "merge" files for incorporation into the overall THAAD Program IMS.

6.2 THAAD MODERNIZATION AND TECHNOLOGY INSERTION SUPPORT. The contractor shall provide technology integration expertise for evaluation and maintenance of the THAAD Technology Insertion Roadmap, the THAAD Modernization Plan, and various Cost Reduction Initiatives (CRI). The contractor shall provide analysis and evaluation support in developing technology alternatives that support long-term THAAD program objectives (such as schedule and challenging requirements) including development of CRI proposals to the MDA. The contractor shall provide technical services to support development of Growth Technologies. The contractor shall provide technical support to perform Technology Readiness Level (TRL) assessments or to evaluate the THAAD Prime Contractor's TRL assessments as required.

7.0 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; the Major Subcontractors to Lockheed including but not limited to [REDACTED]

PERIOD OF PERFORMANCE

24 APR 02 – 30 MAY 05

