

**ORDER FOR SUPPLIES OR SERVICES**

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. DASG60-02-D-0009	2. DELIVERY ORDER/ CALL NO. 004433	3. DATE OF ORDER/CALL 2002 Apr 24	4. REQ./ PURCH. REQUEST NO. Y7-2-000A2Y7-01	5. PRIORITY  DX-A2
6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND [REDACTED] PO BOX 1500 HUNTSVILLE AL 35807-3801		7. ADMINISTERED BY DCMA HUNTSVILLE BUILDING 4505, SUITE 301 MARTIN ROAD REDSTONE ARSENAL AL 35898-0001		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 0JLS6	FACILITY	10. DELIVER TO FOB POINT BY (Date) <b>SEE SCHEDULE</b>	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  <b>SEE SCHEDULE</b>	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	<b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.</b>
--	------	---	----------------	--

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	<input type="checkbox"/>	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
	<b>SEE SCHEDULE</b>				

* 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 \$52,692,053.00
--	------------------------------	------------------------------

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	27. SHIP NO.	28. DO VOUCHER NO.	29. DIFFERENCES	30. INITIALS
DATE _____ SIGNATURE OF AUTHORIZED GOVT. REP. _____	<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 _____	31. PAYMENT <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.
-----------------	-----------------	------------------------------	----------------------	---------------------	---------------------

## 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: Y7-2-000A2Y7-01				
				MAX COST	\$49,104,875.00

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: Y7-2-000A2Y7-01				
				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: Y7-2-000A2Y7-01

MAX COST

\$24,633.00

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: Y7-2-000A2Y7-01

MAX COST

\$3,562,545.00

FOB: Destination

BLOCK 17/BLOCK 18 CONTINUED

BLOCK 17 (DD1155) CONTINUED:

TASK ORDER FUNDS REQUIRED \$ 52,692,053

TASK ORDER FUNDS AVAILABLE \$ 34,352,050

UNFUNDED BALANCE \$ 18,340,003

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	\$49,104,875
*CONSULTANT TOTAL	 DPPHs	\$ 0
T/O TOTAL LABOR	 DPPHs	\$49,104,875
MATERIAL	NTE	\$ 24,633
TRAVEL	NTE	\$ 3,562,545
T/O TOTAL		\$52,692,053

\* 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

### A STATEMENT OF WORK

#### Statement of Work "X-Band Radar"

The contractor shall support the XBR Project Office in its oversight and evaluation responsibilities with regard to the XBR portion of the Ground-Based Missile Defense (GMD) Joint Program Office (JPO) contract with the NMD Prime Contractor.

#### 1.0 Project Management Support

1.1 Project Office Operations Support. The contractor shall support project office operations to include briefings preparation, tasking control, and programmatic reviews. The contractor shall support integration of all project office activities.

1.2 DELETED BY T/O MOD. 0044-10

#### 2.0 Systems Engineering

2.1 Requirements and Analysis. The contractor shall assess XBR-level specifications, to include the XBR A-Specification and Prime Item Development Specification, and traceability of these specifications to GMD-level specifications/capabilities documents. The contractor shall assess functional allocation from XBR-level specifications to configuration item specifications. The contractor shall review prime contractor mission analyses and test reports to assess influence on XBR design. The contractor shall assess Interface Control Specification and Interface Description Document for XBR and BMC3. The contractor shall review prime contractor trade studies that document functional and operational interfaces among the GMD components and external elements. The contractor shall support oversight of XBR-level requirements verification for requirements verified by the analysis method. The contractor shall support independent analyses of XBR-level functional and technical performance measures.

2.2 Systems Engineering Support. The contractor shall assess the prime contractor's Systems Engineering Support program to include, but not limited to, risk management, survivability, and electromagnetic effects environment. The contractor shall support coordination of XBR program protection with GMD program protection. The contractor shall support special studies to include, but not limited to, XBR affordability analyses, acquisition strategies, deployment options, and responses to requests for information. The contractor shall support XBR advanced development activities and coordination of those activities with GMD program-level activities.

2.3 Verification. The contractor shall assess the prime contractor's requirements verification plans and reports. The contractor shall support coordination of XBR requirements verification with GMD program requirements verification. The contractor shall assess prime contractor XBR models and simulations (M&S) development, as well as M&S verification and validation. The contractor shall support assessment of prime contractor GMD system M&S. The contractor shall support XBR M&S accreditation for GMD milestones/events. The contractor shall assess Interface Description Document for XBR and Embedded Test Capability.

2.4 Software Independent Verification and Validation (IV&V) Support. The contractor shall support XBR software IV&V activities.

#### 3.0 Equipment

3.1 Software Engineering. The contractor shall assess prime contractor GBR-P software change management, regression testing, and readiness for GMD Integrated Flight Tests. The contractor shall assess XBR software requirement specifications and traceability to XBR-level specifications. The contractor shall assess Data Processor System Software Interface Requirements Specification. The contractor shall assess design, code/unit test

(CUT), integration, and validation of XBR-P, Test XBR, and Objective XBR software. The contractor shall support oversight of software item requirements verification.

3.2 Hardware Engineering. The contractor shall assess prime contractor GBR-P hardware change management, failure analyses, and readiness for GMD Integrated Flight Tests. The contractor shall support oversight of prime contractor GBR-P hardware refurbishment. The contractor shall support oversight of prime contractor upgrade of GBR-P to XBR-P configuration. The contractor shall assess XBR hardware item specifications and traceability to XBR-level specifications. The contractor shall assess the design, fabrication, assembly, integration, and test of XBR-P upgrades, Test XBR, and Objective XBR hardware. The contractor shall support oversight of hardware item requirements verification.

3.3 On-Site Support. The contractor shall provide on-site support at prime contractor facilities and GMD test sites for activities, which would be facilitated by day-to-day interaction between the XBR Project Office and prime contractor.

3.4 Production and Quality Support. The contractor shall support XBR production and quality activities and coordination of those activities with GMD program-level activities. The contractor shall assess prime contractor Reliability, Availability, Maintainability, and Testability (RAM/T) plans and reports. The contractor shall conduct independent RAM analyses.

4.0 Test and Evaluation. The contractor shall assess prime contractor XBR string test plans and reports. The contractor shall assess XBR test plans and reports for GMD Integrated Flight Tests, Targets of Opportunity missions, Integrated Ground Tests, Distributed Ground Tests, and on-site tests. The contractor shall support oversight of XBR requirements verification for requirements verified during string and on-site testing.

## 5.0 Logistics and Site Activation Support

5.1 Logistics Support. The contractor shall support XBR logistics activities and coordination of those activities with GMD program-level activities.

5.2 Site Activation Support. The contractor shall support XBR site activation activities and coordination of those activities with GMD program-level activities. The contractor shall assess prime contractor XBR facility requirements, siting and environmental analyses, and system safety program.

## B PERIOD OF PERFORMANCE

PERIOD OF PERFORMANCE: 24 April 2002 – 23 April 2007

## C KEY PERSONNEL

KEY PERSONNEL: 

## D DELIVERABLES

DELIVERABLES:

Item/Title	CDRL#	# Copies	Delivery Date
------------	-------	----------	---------------

## TASK ORDER LEVEL:

Task Order Management Plan	A001	1 *	Per CDRL
FMER Status Graphs	A003	1 *	Per CDRL **
Final Technical Report	A005	2 *	23 Apr 2007

## SUBTASK LEVEL:

Scientific & Technical Report	A004	***	As Required
Special Reports	A004	1	As Required
Analysis Results	A004	1	Monthly
Conference Minutes	A006	1	Per CDRL, As Required
Data Accession List	A007	1	Per CDRL, As Required

\* Plus Electronic Version.

\*\* This item is a chart that is used for Program Management of this T/O. It shall include a spend plan at the overall task level and spend plans/accomplishments and plans at each subtask level. This requirement is separate from any other deliverable under the contract and shall be submitted quarterly, NLT the 25<sup>th</sup> of the month after each quarter ends (i.e., 1<sup>st</sup> quarter report for Oct, Nov and Dec is due NLT 25 January). The report is to be transmitted electronically to: george.savas@nmd.army.mil

\*\*\* If presentation: 1 color view graph copy/1 color hardcopy/2 black and white hardcopies

E 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: \$3,562,545

Washington, DC	Anaheim, CA	Colorado Springs, CO
Kansas City, OK	Houston, TX	Boston, MA
Shemya, AK	Honolulu, HI	Anchorage, AK
Dahlgren, VA	Albuquerque, NM	Vandenburg AFB, CA
Seattle, WA	Dover, DE	New Haven, CT
Dallas, TX	Corpus Christi, TX	Brownsville, TX
ADAK, AK		

F MATERIALS

PROVIDE ESTIMATED COST FOR MATERIALS/SPECIAL TEST EQUIPMENT: Prior to incurring reproduction or postage costs exceeding \$1,500 per event/occasion, such costs shall be approved in writing by the government task order monitor and the Contracting Officer. Cost incurred which is less than that amount, per event/occasion, shall require approval by only the government task order monitor. The contractor has no authority to incur any other material costs without the explicit 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 (e-mail) shall be utilized for both steps in this process. Under no circumstance shall the contractor incur material costs in excess of the NTE amount stated herein. NTE: \$24,633

#### 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 FY04 through FY07, is subject to the Clause at FAR 52.232-18, Availability of Funds.

The GMD task specific DD Form 254, Rev. 12, dated 28 January 2003, is hereby incorporated (0044-15) and is applicable to this T/O only. A copy of this document may be obtained by contacting the individual identified in Block 6 of the SF 30.

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.

#### H DISTRIBUTION

##### INTELLIGENCE AND SECURITY DIVISION DISTRIBUTION:

[REDACTED]

Defense Security Service (DSS) Industrial Security Representative (listed in Block 6c of the DD254).

##### TASK ORDER DISTRIBUTION:

##### TASK ORDER MONITOR:

##### SOW PARAGRAPH ALTERNATE MONITORS:

SOW PARA. 1.0 – [REDACTED]  
[REDACTED]

SOW PARA. 2.0 – [REDACTED]  
[REDACTED]

SOW PARA. 3.0 – [REDACTED]  
[REDACTED]

SOW PARA. 4.0 – [REDACTED]  
[REDACTED]

SOW PARA 5.0 – [REDACTED]  
[REDACTED]

SUBTASK 6 – DELETED BY T/O 0044-10

SUBTASK 7 – DELETED BY T/O 0044-10

PROGRAM MANAGEMENT POC: [REDACTED]

## Section G - Contract Administration Data

## ACCOUNTING AND APPROPRIATION DATA

AA: 9730400.2501 3BM-NMD1 40603882C00.3012.12-255Y Y7-3-00MEVY7 S01021Y730MEV2Y7/3Y7000/Y7  
AMOUNT: \$4,784,000.00

AB: 9730400.2501 3BM-NMD1 40603882C00.3012.12-255Y Y7-3-00MEVY7 S01021 Y7300MEVY7/3Y7000/Y7  
AMOUNT: \$100,000.00

AC: 9720400.2501 BM-NMD1 40603882C00.3012.12-255Y Y7-1-000A2Y7 S01021 Y72000A2Y7/2Y7000/Y7  
COST 000000000000  
CODE:  
AMOUNT: \$6,778,350.00

AD: 9720400.2501 BM-NMD1 40603882C00.3012.04-255Y Y1-2-MEV2Y1 S01021 Y12MEV2Y1/2Y1000/Y1  
COST 000000000000  
CODE:  
AMOUNT: \$608,000.00

AE: 9720400.2501 2BM-NMD1 40603882C00.3012.16-255Y Y62CONC5Y6 S01021 Y62CONC5Y6/2Y6CON/Y6  
COST 000000000000  
CODE:  
AMOUNT: \$188,000.00

AF: 9710400.2501 BM-NMD1 40603871C00.2409-255Y Y1-1-GBR1Y1 S01021 Y11GBR1Y1/1Y1000/Y1  
COST 000000000000  
CODE:  
AMOUNT: \$100,000.00

AG: 9730400.2501 3BM-NMD1 40603882C00.3012.16-255Y Y6316CA3Y6 S01021 Y6316CA3Y6/3Y6CON/Y6  
COST 000000000000  
CODE:  
AMOUNT: \$195,000.00

AH: 9730400.2501 3BM-NMD1 40603882C00.3012.12-255Y Y7-3-00MEVY7 Y7300MEVY7/3Y7000/Y7  
COST 000000000000  
CODE:  
AMOUNT: \$0.00

AJ: 9730400.2501 3BM-NMD1 40603882C00.3012.12-255Y Y7-3-0MEV2Y7 S01021 Y730MEV2Y7/3Y7000/Y7  
AMOUNT: \$4,784,000.00

AK: 974 0400.2501 4BM-NMD1 40603882C00.0808.12 255Y Y7-4-000D1Y7 S01021 Y74000D1/4Y7000/Y7  
AMOUNT: \$10,153,000.00

AL: 9740400.2501 4BM-NMD1 40603882C00.0808.16-255Y Y6416OCEY6 S01021 Y6416OCEY6/4Y6CON/Y6  
AMOUNT: \$196,100.00

AM: 9740400.2501 4BM-NMD1 40603882C00.0808-85-255Y Y24808D6Y2 S01021 Y24808D6Y2/4Y2808/Y2  
AMOUNT: \$16,000.00

AN: 9740400.2501 4BM-NMD1 40603882C00.0808.43-255Y Y1-4-BAE1Y1 S01021 Y14BAE1Y1/4Y1000/Y1  
AMOUNT: \$35,600.00

AP: 9750400.2501 5BM-NMD1 40603882C00.J0808-12 255Y Y75000D1Y7 S01021 Y75000D1Y7/5Y7000/Y7  
AMOUNT: \$6,138,000.00

AQ: 9750400.25015BM-NMD1 40603882C00.J0808.13-255Y Y6513BAE44Y6 S01021 Y6513BAE44Y6/5Y6CON/Y6

AMOUNT: \$90,000.00

AR: 9750400.2501 5BM-NMD1 40603882C00.J0808.43-255Y Y15BAE44Y1 S01021 Y15BAE44Y1/5Y1000/Y1

AMOUNT: \$46,000.00

AS: 9750400.2501 5BM-NMD1 40603882C00.J0808-12 255Y Y75000D2Y7 S01021 Y75000D2Y7/5Y7000/Y7

AMOUNT: \$140,000.00