

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. <b>DASG60-99-D-0002</b>	2. DELIVERY ORDER/ CALL NO. <b>0036</b>	3. DATE OF ORDER/CALL <b>2002 Feb 06</b>	4. REQ./ PURCH. REQUEST NO. <b>DH2B130400-02</b>	5. PRIORITY
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6. ISSUED BY US ARMY SPACE AND MISSILE DEFENSE COMMAN P.O. BOX 1500 HUNTSVILLE AL 35807-3801	CODE <b>W31RPD</b>	7. ADMINISTERED BY DCM BIRMINGHAM BURGER PHILLIPS CENTER 1910 THIRD AVE., NORTH, RM. 201 BIRMINGHAM AL 35203-2376	CODE <b>S0101A</b>	8. DELIVERY FOB <input checked="" type="checkbox"/> DEST <input type="checkbox"/> OTHER  (See Schedule if other)
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9. CONTRACTOR CAS INC PO BOX 11190 HUNTSVILLE AL 35814	CODE <b>4S077</b>	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 <b>HQ0338</b>	<b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.</b>
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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)
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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 <b>\$3,604,967.00</b>
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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	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		32. PAID BY	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 B Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0010	Option II - Statement of Work SW-TC-S-36-97				
	CPAF - Statement of Work SW-TC-S-36-97, titled "Missile Defense Data Center", dated 9 Sep 98, except paragraphs 4.7, 4.9.1, 4.10.1 and 4.11 incorporated herein and attached as set forth in Part III, Section J, hereof.				
	PURCHASE REQUEST NUMBER DH2B130400-02				
				MAX COST	\$0.00
				BASE FEE	\$0.00
				SUBTOTAL MAX COST + BASE	\$0.00
				MAX AWARD FEE	\$0.00
				TOTAL MAX COST + FEE	\$0.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0010AA	Option II - Statement of Work SW-TC-S-36-97				
	CPAF - Statement of Work SW-TC-S-36-97, titled "Missile Defense Data Center", dated 9 Sep 98, except paragraphs 4.7, 4.9.1, 4.10.1 and 4.11 incorporated herein and attached as set forth in Part III, Section J, hereof.				
	PURCHASE REQUEST NUMBER DH2B130400-02				
				MAX COST	[REDACTED]
				BASE FEE	[REDACTED]
				SUBTOTAL MAX COST + BASE	\$1,592,298.00
				MAX AWARD FEE	\$118,245.00
				TOTAL MAX COST + FEE	\$1,710,543.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0010AB	Option II - Statement of Work SW-TC-S-36-97 CPAF - Statement of Work SW-TC-S-36-97, titled "Missile Defense Data Center", dated 9 Sep 98, except paragraphs 4.7, 4.9.1, 4.10.1 and 4.11 incorporated herein and attached as set forth in Part III, Section J, hereof. PURCHASE REQUEST NUMBER DH2B130400-02				

MAX COST	
BASE FEE	
SUBTOTAL MAX COST + BASE	\$1,258,990.00
MAX AWARD FEE	\$95,434.00
TOTAL MAX COST + FEE	\$1,354,424.00

Travel Cost Not to Exceed \$85,000 (CLIN 0010AB)

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0011	Option II - Hardware/Software Parts and Maint(Mat) CPAF - Hardware/Software Parts and Maintenance (Materials), in accordance with SOW SW-TC-S-36-97, titled "Missile Defense Data Center", dated 9 Sep 98, except paragraphs 4.9.1 and 4.10.1 incorporated herein and attached as set forth in Part III, Section J, hereof. PURCHASE REQUEST NUMBER DH2B130400-02				

MAX COST	
BASE FEE	
SUBTOTAL MAX COST + BASE	\$540,000.00
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$540,000.00

Consumables and Shipping Costs (CLIN 0011)	\$ 50,000
Hardware/Software (CLIN 0011)	<u>\$490,000</u>
	\$540,000

## SECTION C Descriptions and Specifications

The purpose of this effort is for the Fifth Operate, Maintain and Modernize Phase. The contractor shall perform work as specified in the Statement of Work (SOW) titled "Fifth Operate, Maintain, Support and Modernize Phase" and per SOW SW-TC-S-36-97 titled "Missile Defense Data Center" dated 9 September 1998.

Required deliverables are: \*004 Funds & Man-Hour Expenditures Report monthly, \*005 Progress & Status Reports monthly, & \*00F Scientific/Technical Report Summaries as required.

### Fifth Operate, Maintain and Modernize Phase

#### 1 INTRODUCTION

1.1 The contractor shall perform work as specified for the fifth Operate, maintain, support and modernize phase of the contract per Statement of Work SW-TC-S-36-97 titled "Missile Defense Data Center" dated 9 September 1998 in contract DASG60-99-D-0002. Work related to the Virtual Data Center shall not be covered by this task.

#### 2 OBJECTIVES

2.1 The objective of this effort is to continue providing economical, efficient, data management services to data collectors and to provide missile defense data to government approved users. The MDDC must continue to be proactive in obtaining and processing data from experiments and distributing to approved users in a timely manner,

2.2 New technologies must be researched, evaluated and incorporated into the operation of the data center. These may include, but not be limited to: Advances in on-line networks; Secure communications; Library maintenance and operations; On-line database construction, and development of user and utility applications; Document scanning, conversion, and handling; Telemetry applications; and Specialized security support for our assigned experiments and users.

#### 3 REQUIREMENTS

3.1 The contractor shall operate the MDDC and maintain government furnished property (GFP). The contractor shall operate the MDDC during government business hours, and, upon special request, weekends, after regular hours, and on holidays. The contractor shall maintain the GFP as well as procure equipment and software upgrades to maintain a state of the art data center. The MDDC system shall provide access to MDDC functions and capabilities to government approved users during normal government business hours.

3.2 The contractor shall provide the capability to process telemetry data. The MDDC shall provide processing capabilities at the MDDC facility as well as on-site at the experiment location to support quick look reporting by the program. On site capabilities shall be coordinated with requesting program to insure that test schedules and timeline requirements are met.

3.3 The contractor shall coordinate services with MDDC designated experiments and programs to insure program data management requirements are met efficiently and on schedule. The contractor will increase liaison activities with programs and implement a more automated data request tracking system. The contractor shall assign a data center representative to the program to serve as a program subject matter expert and point of contact. The contractor shall coordinate with the program or experiment to insure that a complete data package is collected from the program and ingested at the MDDC. The contractor shall also work with the program to provide value added services such as meeting support, MDDC site analysis capabilities, data distribution, and remote site telemetry services.

- 3.4 The contractor shall ingest data from current programs and experiments as well as performing media migration for data now stored at the MDDC. The ingestion process shall include in-processing and cataloging of the data, archiving to long term storage media, digitizing if required, and processing for populating the on-line database. The contractor shall be able to accept data from the sensor platforms and ranges and process them into the data ingestion process.
- 3.5 The contractor shall provide analysis and visualization tools as part of the on-line science data base for access by users. Tools shall include community accepted models and visualization tools. The contractor shall develop special analysis tools when identified and required by a user.
- 3.6 The contractor shall develop documentation and user handbooks, initiate a quarterly newsletter, and increase marketing / interagency coordination. The contractor shall overhaul the MDDC's web pages, work the BMD Field Data Guide, support the Project Hercules Green Team users of the Beowulf Cluster, and Host Data Centers Meeting.
- 3.7 The contractor shall schedule maintenance training for data center personnel. This schedule will be submitted to the MDDC's Technical Monitor for approval.
- 3.8 The contractor shall continue to be available to the data user community to take requests for data. The contractor shall receive requests by call in, submission of a data request by hand, mail or E-mail and by subscription. Subscription requests are set up prior to data arriving at the data center by users who have an urgent need for data and who know the amounts and kinds of data they will need. Ad hoc requests are taken for data that has not been arranged for ahead of time and can be for recently collected data or legacy data. Ad hoc requests are submitted to the data center by phone call, request submission or by E-mail. The contractor shall obtain the necessary clearances and approvals for release of the data. The contractor shall make copies of the requested data in the format requested by the requester. The contractor shall notify the requester of the status of the request on a weekly basis until the data are delivered to the requester or the contractor is notified that the data will not be delivered to the data center and the requester has been notified of this outcome.
- 3.9 The contractor shall coordinate with other MDA, department of Defense (DoD) and intelligence agencies and DoD contractors to build network systems to facilitate the transfer of data.
- 3.10 The contractor shall work with the National Target/Test Signature data System (NTSDS) to support connection of the MDDC via SIPRNET to this national migration system. The contractor shall become part of the system to provide the MDDC access to real world signature data as well as provide MDA approved data sets to the NTSDS community.
- 3.11 The contractor shall be part of the Integrated Product Team set up by MDA to provide a dedicated network for the transfer of MDA collected data to the missile defense community through a classified network. The contractor will implement user login and password for access to web site and electronic distribution
- 3.12 The contractor shall provide custom network support to MDA customer as requested to host or access MDA technology databases.
- 3.13 The contractor shall provide security functions to the MDDC. The contractor shall maintain the integrity and security of MDDC data holdings. The MDDC contractor shall be able to host data sets up to the TOP SECRET/SCI security level.

PERIOD OF PERFORMANCE: 6 February 2002 through 5 February 2003.

TECHNICAL MONITOR: [REDACTED]

SECTION G Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

ACRN: AA 972 0400.2501 36-6011 P40603880C00 255Y DH2B130400 S01021  
DH2B130400/2HHN59/H  
AMOUNT: \$750,000.00

DH2B130400-02