

# ORDER FOR SUPPLIES OR SERVICES

(Contractor must submit four copies of invoice.)

Form Approved  
OMB No. 0704-0187  
Expires Aug 31, 1992

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Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0187), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send your completed form to the procurement official identified in Item 6.

1. CONTRACT / PURCH ORDER NO. DASG60-99-D-0002		2. DELIVERY ORDER NO. Task Order Number 0003		3. DATE OF ORDER 99FEB18		4. REQUISITION / PURCH REQUEST NO.		5. CERTIFIED FOR NATIONAL DEFENSE UNDER DMS REG 1 DO		
6. ISSUED BY US Army Space and Missile Defense Command Contr & Acq Mgt Office, ATTN: SMDC-CM-CN PO Box 1500, Huntsville, Alabama 35807-3801			CODE W31RPD		7. ADMINISTERED BY (if other than 6) DCMC Birmingham Burger Phillips Centre 1910 Third Avenue, North, Suite 201 Birmingham, AL 35203-2376			CODE S0101A		8. DELIVERY FOB <input type="checkbox"/> DEST <input type="checkbox"/> OTHER (See Schedule if other)
9. CONTRACTOR NAME AND ADDRESS CAS, Incorporated PO Box 11190 Huntsville, AL 35814			CODE 4S077		FACILITY CODE		10. DELIVER TO FOB POINT BY (Date)		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/>	
14. SHIP TO			CODE		15. PAYMENT WILL BE MADE BY DFAS-Columbus Center DFAS-CO/South Entitlement Operation PO Box 182264 Columbus, Ohio 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH CONTRACT OR ORDER NUMBER

16. TYPE OF ORDER		DELIVERY PURCHASE <input checked="" type="checkbox"/> This delivery order is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract. Reference your CAS MDDC Proposal CP 347, Volume IIIC-Facilities Plan furnish the following on terms specified herein. 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.								
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CHARLES W. COLLINS 18 Feb 99  
 NAME OF CONTRACTOR SIGNATURE TYPED NAME AND TITLE DATE SIGNED  
 If this box is marked, supplier must sign Acceptance and return the following number of copies:

17. ACCOUNTING AND APPROPRIATION DATA / LOCAL USE  
 The below ACRN and Accounting Classification is Accounted for Under the Basic Award Document dated 12 FEB 99 under the above Delivery Order No. DASG60-99-D-0002.  
 ACRN: AB ACCT CLASS: 979 0400.2501 36-6011 P40800000000 2552 DH9B180000 S01021 DH9B180000/9HHN06/H

18. ITEM NO.	19. SCHEDULE OF SUPPLIES / SERVICE	20. QUANTITY ORDERED / ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
This Task Order is for the provision of the Missile Defense Data Center for the work to be performed as stated in the CAS MDDC Proposal CP347, III - Facilities Plan.					
1	Section 3.3.2, Commercial Move of all GFE in TBE Facility	1			\$0.00
2	Section 4.1.1, Installation of the Automated Document Retrieval System	1			\$0.00
3	Section 4.1.2, Moving Magneto Optical Jukeboxes/Disk Storage Device	1			\$0.00
TOTAL DOLLARS FOR ALL ITEM NOS. 1, 2, AND 3 ABOVE:					\$187,539.00

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and		 CONTRACTING / ORDERING OFFICER		25. TOTAL \$187,539.00
				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			27. SUP. NO.		28. D. O. VOUCHER NO.		30. INITIALS		
DATE _____ SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE _____			<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		
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED		40. TOTAL CONTAINERS		41. S/R ACCOUNT NUMBER	
						42. S/R VOUCHER NO.			

NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0010	Option II - Statement of Work SW-TC-S-36-97 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. FOB Destination SUPPLEMENTARY address				\$ \$

MAX COST	\$1,561,312.00
BASE FEE	\$30,986.00
SUBTOTAL MAX COST + BASE	<u>\$1,592,298.00</u>
MAX AWARD FEE	\$118,245.00
TOTAL MAX COST + FEE	\$1,710,543.00
GUARANTEED MINIMUM AMOUNT	

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NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0011	Option II - Hardware/Software Parts and Maint(Mat) 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. FOB Destination SUPPLEMENTARY address				\$ \$

MAX COST	\$207,849.00
BASE FEE	\$0.00
SUBTOTAL MAX COST + BASE	\$207,849.00
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$207,849.00
GUARANTEED MINIMUM AMOUNT	

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NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0012	Option II - Hardware/Software Materials				\$

Hardware/Software Materials required in accordance with SOW SW-TC-S-36-97, titled "Missile Defense Data Center", dated 9 Sep 98, except paragraphs 3.6 and 4.7 incorporated herein and attached as set forth in Part III, Section J, hereof.

FOB Destination

SUPPLEMENTARY address

MAX COST \$59,386.00

BASE FEE \$0.00

SUBTOTAL MAX COST + BASE \$59,386.00

MAX AWARD FEE \$0.00

TOTAL MAX COST + FEE \$59,386.00

GUARANTEED MINIMUM AMOUNT

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0013	Option II - Contract Data Requirements List (CDRLS)				\$

Contract Data Requirements List (CDRL), DD Form 1423, Exhibit A, consisting of Exhibit Line Item Nos. \*001 through \*009 and \*00A through \*00G, incorporated herein and attached as set forth in Part III, Section J, hereof.

FOB Destination

SUPPLEMENTARY address

MAX COST \$59,386.00

BASE FEE \$0.00

SUBTOTAL MAX COST + BASE \$59,386.00

MAX AWARD FEE \$0.00

TOTAL MAX COST + FEE \$59,386.00

GUARANTEED MINIMUM AMOUNT

NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0014	Option III-Statement of Work SW-TC-S-36-97 Statement of Work (SOW) SW-TC-36-97, titled "Missile Defense Data Center", dated 9 Sep 98, except 4.9, 4.911, 4.10 and 4.10., incorporated herein and attached as set forth in Part III, Section J, hereof. FOB Destination SUPPLEMENTARY address				\$

MAX COST	\$1,475,283.00
BASE FEE	\$29,294.00
SUBTOTAL MAX COST + BASE	<u>\$1,504,577.00</u>
MAX AWARD FEE	\$111,525.00
TOTAL MAX COST + FEE	\$1,616,102.00
GUARANTEED MINIMUM AMOUNT	

NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0015	Option III-Hardware/Software Parts and Maintenance Hardware/Software Parts and Maintenance (Materials), in accordance with Statement of Work (SOW) SW-TC-36-97, titled "Missile Defense Data Center", dated 9 Sep 98, paragraphs 4.9, 4.9.1, 4.10 and 4.10.1, incorporated herein and attached as set forth in Part III, Section J, hereof. FOB Destination SUPPLEMENTARY address				\$ \$

MAX COST	\$215,115.00
BASE FEE	\$0.00
SUBTOTAL MAX COST + BASE	\$215,115.00
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$215,115.00
GUARANTEED MINIMUM AMOUNT	

NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0016	Option III-Hardware/Software Materials Hardware/Software Materials required in accordance with Statement of Work (SOW) SW-TC-36-97, titled "Missile Defense Data Center", dated 9 Sep 98, paragraphs 3.6 and 4.7, incorporated herein and attached as set forth in Part III, Section J, hereof. FOB Destination SUPPLEMENTARY address				\$

MAX COST	\$61,461.00
BASE FEE	\$0.00
SUBTOTAL MAX COST + BASE	\$61,461.00
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$61,461.00
GUARANTEED MINIMUM AMOUNT	

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NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0017	Option III-Contract Data Requirements List (CDRLS) Contract Data Requirements List (CDRLs), DD Form 1423, Exhibit A, consisting of Exhibit Line Item Nos. *001 through *009 and *00A through 00G, incorporated herein and attached as set forth in Part III, Section J, hereof. FOB Destination SUPPLEMENTARY address				\$

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
GUARANTEED MINIMUM AMOUNT	

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0018	Option IV Statement of Work SW-TC-S-36-97 Statement of Work (SOW) 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. FOB Destination SUPPLEMENTARY address				\$

MAX COST	\$678,457.00
BASE FEE	\$13,465.00
SUBTOTAL MAX COST + BASE	\$691,922.00
MAX AWARD FEE	\$51,031.00
TOTAL MAX COST + FEE	\$742,953.00
GUARANTEED MINIMUM AMOUNT	

NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0019	Option IV Hardware/Software Parts and Maintenance 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 4.7 and 4.10.1, incorporated herein and attached as set forth in Part III, Section J, hereof. FOB Destination SUPPLEMENTARY address				\$ \$

	MAX COST	\$111,322.00
	BASE FEE	\$0.00
	SUBTOTAL MAX COST + BASE	\$111,322.00
	MAX AWARD FEE	\$0.00
	TOTAL MAX COST + FEE	\$111,322.00
GUARANTEED MINIMUM AMOUNT		

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CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0020	Option IV Hardware and Software Materials				\$
	Hardware and Software Materials required in accordance with SOW SW-TC-S-36-97, titled "Missile Defense Data Center", dated 9 Sep 98, except paragraphs 3.6 and 4.7, incorporated herein and attached as set forth in Part III, Section J, hereof.				
	FOB Destination				
	SUPPLEMENTARY address				

MAX COST	\$31,807.00
BASE FEE	\$0.00
SUBTOTAL MAX COST + BASE	\$31,807.00
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$31,807.00

GUARANTEED MINIMUM AMOUNT

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0021	Option IV Contract Data Requirements List (CDRL)				\$
	Contract Data Requirements List (CDRL), DD Form 1423, Exhibit A, consisting of Exhibit Line Item Nos. *001 through *009 and *00A through 00G, incorporated herein and attached as set forth in Part III, Section J, hereof.				
	FOB Destination				
	SUPPLEMENTARY address				

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

GUARANTEED MINIMUM AMOUNT

NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0022					\$ \$

Option V Plan and Move the MDDC to Gov't Facility

Plan and move the MDDC to the government facility at the time designated in a Task Order, in accordance with SOW SW-TC-S-36-97, entitled "Missile Defense Data Center", dated 9 Sep 98, paragraph 4.11, incorporated herein and attached as set forth in Part III, Section J, hereof.

FOB Destination

SUPPLEMENTARY address

MAX COST	\$0.00
BASE FEE	\$
SUBTOTAL MAX COST + BASE	\$
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$
GUARANTEED MINIMUM AMOUNT	

NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0023	Option VI Provide the facility, insurance, build Provide the facility, insurance, building maintenance, and parking, and security, telephone, Internet access and utility services for the MDDC Operation Site during the Option I period of performance. FOB Destination SUPPLEMENTARY address				\$ \$

MAX COST	\$141,166.00
BASE FEE	\$0.00
SUBTOTAL MAX COST + BASE	\$141,166.00
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$141,166.00
GUARANTEED MINIMUM AMOUNT	

NAME OF OFFEROR OR CONTRACTOR  
 CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0024	Option VII Plan and move the MDDC facility Plan and move the MDDC to the government facility at the time designated in a Task Order, in accordance with SOW SW-TC-S-36-97, entitled "Missile Defense Data Center", dated 9 Sep 98, paragraph 4.11, incorporated herein and attached as set forth in Part III, Section J, hereof. FOB Destination SUPPLEMENTARY address				\$ \$

MAX COST	\$0.00
BASE FEE	\$0.00
SUBTOTAL MAX COST + BASE	<u>\$0.00</u>
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$0.00
GUARANTEED MINIMUM AMOUNT	

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CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0025	Option VIII Provide the facility, insurance, build Provide the facility, insurance, building maintenance, and parking; and the security, telephone, Internet access and utility services for the MDDC Operation Site during the Option II period of performance. FOB Destination SUPPLEMENTARY address				\$

MAX COST	\$149,068.00
BASE FEE	\$0.00
SUBTOTAL MAX COST + BASE	\$149,068.00
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$149,068.00
GUARANTEED MINIMUM AMOUNT	

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NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0026	Option IX Plan and move MDDC Plan and move the MDDC to the Government facility at the time designated in a Task Order, in accordance with SOW SW-TC-S-36-97, entitled "Missile Defense Data Center," dated 9 Sep 98, paragraph 4.11, incorporated herein and attached as set forth in Part III, Section J, hereof. FOB Destination SUPPLEMENTARY address				\$ \$

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
GUARANTEED MINIMUM AMOUNT	

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NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0027	Option X Provide the facility, insurance, bldg Provide the facility, insurance, building maintenance, and parking; and the security, telephone, Internet access and utility services for the MDDC Operation Site during the Option III period of performance. FOB Destination SUPPLEMENTARY address				\$

MAX COST	\$150,982.00
BASE FEE	\$0.00
SUBTOTAL MAX COST + BASE	\$150,982.00
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$150,982.00
GUARANTEED MINIMUM AMOUNT	

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NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0028	Option XI Plan and move the MDDC to Govt Plan and move the MDDC to the Government facility at the time designated in a Task Order, in accordance with SOW SW-TC-S-36-97, entitled "Missile Defense Data Center," dated 9 Sep 98, paragraph 4.11, incorporated herein and attached as set forth in Part III, Section J, hereof. FOB Destination SUPPLEMENTARY address				\$ \$

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
GUARANTEED MINIMUM AMOUNT	

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NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0029	Option XII Provide the facility, insurance, bldg Provide the facility, insurance, building maintenance, and parking; and the security, telephone, Internet access and utility services for the MDDC Operation Site during the Option IV period of performance. FOB Destination SUPPLEMENTARY address				\$

MAX COST	\$148,775.00
BASE FEE	\$0.00
SUBTOTAL MAX COST + BASE	\$148,775.00
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$148,775.00
GUARANTEED MINIMUM AMOUNT	

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NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0030	Option XIII Plan and move the MDDC to Govt Plan and move the MDDC to the Government facility at the time designated in a Task Order, in accordance with SOW SW-TC-S-36-97, entitled "Missile Defense Data Center," dated 9 Sep 98, paragraph 4.11, incorporated herein and attached as set forth in Part III, Section J, hereof. FOB Destination SUPPLEMENTARY address				\$ \$

MAX COST	\$0.00
BASE FEE	\$0.00
SUBTOTAL MAX COST + BASE	<u>\$0.00</u>
MAX AWARD FEE	\$0.00
TOTAL MAX COST + FEE	\$0.00
GUARANTEED MINIMUM AMOUNT	

NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0031	Option XIV SURGE Additional DPPHs for Basic Additional DPPHs for Surge (Basic) in performance of 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. FOB Destination SUPPLEMENTARY address				\$

MAX COST	\$3,307,610.00
BASE FEE	\$65,657.00
SUBTOTAL MAX COST + BASE	\$3,373,267.00
MAX AWARD FEE	\$258,862.00
TOTAL MAX COST + FEE	\$3,632,129.00
GUARANTEED MINIMUM AMOUNT	

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CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0032	Option XV SURGE Additional DPPHs for Basic Additional DPPHs for Surge (for Option I) in performance of 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. FOB Destination SUPPLEMENTARY address				\$                    \$

MAX COST	\$1,570,679.00
BASE FEE	\$31,166.00
SUBTOTAL MAX COST + BASE	<u>\$1,601,845.00</u>
MAX AWARD FEE	\$121,354.00
TOTAL MAX COST + FEE	\$1,723,199.00
GUARANTEED MINIMUM AMOUNT	

NAME OF OFFEROR OR CONTRACTOR  
CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0033	Option XVI SURGE Additional DPPHs for Basic Additional DPPHs for Surge (for Option II) in performance of 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. FOB Destination SUPPLEMENTARY address				\$

MAX COST	\$1,540,245.00
BASE FEE	\$30,565.00
SUBTOTAL MAX COST + BASE	<u>\$1,570,810.00</u>
MAX AWARD FEE	\$118,950.00
TOTAL MAX COST + FEE	\$1,689,760.00
GUARANTEED MINIMUM AMOUNT	

NAME OF OFFEROR OR CONTRACTOR  
 CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0034	Option XVII SURGE Additional DPPHs for Basic Additional DPPHs for Surge (for Option III) in performance of 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. FOB Destination SUPPLEMENTARY address				\$

MAX COST	\$1,560,120.00
BASE FEE	\$30,960.00
SUBTOTAL MAX COST + BASE	\$1,591,080.00
MAX AWARD FEE	\$120,527.00
TOTAL MAX COST + FEE	\$1,711,607.00
GUARANTEED MINIMUM AMOUNT	

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CAS INC

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0035	Option XVIII SURGE Additional DPPHs for Basic Additional DPPHs for Surge (for Option IV) in performance of 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. FOB Destination SUPPLEMENTARY address				\$                    \$

	MAX COST	\$730,195.00
	BASE FEE	\$14,492.00
	SUBTOTAL MAX COST + BASE	\$744,687.00
	MAX AWARD FEE	\$56,317.00
	TOTAL MAX COST + FEE	\$801,004.00
GUARANTEED MINIMUM AMOUNT		

**B-2 ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR CLIN 0001/0005:****BASIC****CLINs 0001/0005**

a. Estimated Cost, Exclusive of Fee:	\$3,774,515
b. Base Fee:	\$ 74,967
c. Estimated Cost Plus Base Fee:	\$3,849,482
d. Maximum Award Fee:	\$ 288,217
e. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$4,137,699

**B-3 ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLIN 0002:****CLIN 0002**

a. Estimated Cost, Exclusive of Fee:	\$ 187,539
b. There is no fee for this CLIN:	

NAME OF OFFEROR OR CONTRACTOR  
CAS INC

c. Total Estimated Cost is: \$ 187,539

**B-4. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLIN 0003:**

CLIN 0003

a. Estimated Cost, Exclusive of Fee: \$109,030  
b. There is no fee for this CLIN: 0  
d. Total Estimated Cost is: \$109,030

**B-5. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLIN 0004:**

CLIN 0004:

a. Estimated Cost, Exclusive of Fee is: \$ 136,946  
b. There is no fee for this CLIN.  
c. Total Estimated Cost is: \$ 136,946

**B-6. ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR CLINs 0006/0009:**

OPTION I

CLINs 0006/0009

a Estimated Cost, Exclusive of Fee: \$  
b Base Fee is: \$  
c Estimated Cost Plus Base Fee is: \$  
d. Maximum Award Fee is: \$  
e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

**B-7. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLIN 0007:**

CLIN 0007

a. Estimated Cost, Exclusive of Fee: \$  
b. There is no fee for this CLIN:  
d. Total Estimated Cost is: \$

**B-8. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLIN 0008:**

CLIN 0008

a. Estimated Cost, Exclusive of Fee: \$  
b. There is no fee for this CLIN:  
d. Total Estimated Cost is: \$

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**B-9: ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR CLINs 0010/0013:**

OPTION II

CLINs 0010/0013

- a Estimated Cost, Exclusive of Fee: \$
- b Base Fee is: \$
- c Estimated Cost Plus Base Fee is: \$
- d. Maximum Award Fee is: \$
- e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

**B-10. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLIN 0011:**

CLIN 0011

- a. Estimated Cost, Exclusive of Fee: \$
- b. There is no fee for this CLIN:
- d. Total Estimated Cost is: \$

**B-11. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLIN 0012:**

CLIN 0012

- a. Estimated Cost, Exclusive of Fee: \$
- b. There is no fee for this CLIN:
- d. Total Estimated Cost is: \$

**B-12: ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR CLINs 0014/0017:**

OPTION III

CLINs 0014/0017

- a Estimated Cost, Exclusive of Fee: \$
- b Base Fee is: \$
- c Estimated Cost Plus Base Fee is: \$
- d. Maximum Award Fee is: \$

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e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

**B-13. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLIN 0015:**

CLIN 0015

a. Estimated Cost, Exclusive of Fee: \$

b. There is no fee for this CLIN:

d. Total Estimated Cost is: \$

**B-14. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLIN 0016:**

CLIN 0016

a. Estimated Cost, Exclusive of Fee: \$

b. There is no fee for this CLIN:

d. Total Estimated Cost is: \$

**B-15: ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR CLINs 0018/0021:**

OPTION IV

CLINs 0018/0021

a Estimated Cost, Exclusive of Fee: \$

b Base Fee is: \$

c Estimated Cost Plus Base Fee is: \$

d. Maximum Award Fee is: \$

e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

**B-16. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLIN 0019:**

CLIN 0019

a. Estimated Cost, Exclusive of Fee: \$

b. There is no fee for this CLIN:

d. Total Estimated Cost is: \$

**B-17. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLIN 0020:**

CLIN 0020

a. Estimated Cost, Exclusive of Fee: \$

b. There is no fee for this CLIN:

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d. Total Estimated Cost is: \$

**B-18: ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR Option V, CLIN 0022(RELOCATE-BASIC):**

**OPTION V**

**CLIN 0022**

a Estimated Cost, Exclusive of Fee: \$  
 b Base Fee is: \$  
 c Estimated Cost Plus Base Fee is: \$  
 d. Maximum Award Fee is: \$  
 e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

**B-19: ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option VI, CLIN 0023:**

**CLIN 0023**

a. Estimated Cost, Exclusive of Fee: \$  
 b. There is no fee for this CLIN:  
 d. Total Estimated Cost is: \$

**B-20: ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR Option VII, CLIN 0024 (RELOCATE):**

**CLIN 0024:**

a Estimated Cost, Exclusive of Fee: \$  
 b Base Fee is: \$  
 c Estimated Cost Plus Base Fee is: \$  
 d. Maximum Award Fee is: \$  
 e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

**B-21: ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option VIII, CLIN 0025:**

**CLIN 0025**

a. Estimated Cost, Exclusive of Fee: \$  
 b. There is no fee for this CLIN:  
 c. Total Estimated Cost is: \$

**B-22: ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR Option IX, CLIN 0026 (RELOCATE):**

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## CLIN 0026:

a Estimated Cost, Exclusive of Fee:	\$
b Base Fee is:	\$
c Estimated Cost Plus Base Fee is:	\$
d. Maximum Award Fee is:	\$
e. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$

**B-23. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option X, CLIN 0027:**

## CLIN 0027

a. Estimated Cost, Exclusive of Fee:	\$
b. There is no fee for this CLIN:	
c. Total Estimated Cost is:	\$

**B-24: ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR Option XI, CLIN 0028 (RELOCATE):**

## CLIN 0028:

a Estimated Cost, Exclusive of Fee:	\$
b Base Fee is:	\$
c Estimated Cost Plus Base Fee is:	\$
d. Maximum Award Fee is:	\$
e. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$

**B-25. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option XII, CLIN 0029:**

## CLIN 0029

a. Estimated Cost, Exclusive of Fee:	\$
b. There is no fee for this CLIN:	
c. Total Estimated Cost is:	\$

**B-26: ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR Option XIII, CLIN 0030 (RELOCATE):**

## CLIN 0030:

a Estimated Cost, Exclusive of Fee:	\$
b Base Fee is:	\$
c Estimated Cost Plus Base Fee is:	\$

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- d. Maximum Award Fee is: \$
- e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

**B-27. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option XIV, CLINs 0031/0005:**

CLIN 0031

- a Estimated Cost, Exclusive of Fee: \$
- b Base Fee is: \$
- c Estimated Cost Plus Base Fee is: \$
- d. Maximum Award Fee is: \$
- e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

**B-28. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option XV, CLINs 0032/0009::**

CLIN 0032

- a Estimated Cost, Exclusive of Fee: \$
- b Base Fee is: \$
- c Estimated Cost Plus Base Fee is: \$
- d. Maximum Award Fee is: \$
- e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

**B-29. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option XVI, CLINs 0033/0013:**

CLIN 0033:

- a Estimated Cost, Exclusive of Fee: \$
- b Base Fee is: \$
- c Estimated Cost Plus Base Fee is: \$
- d. Maximum Award Fee is: \$
- e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

**B-30. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option XVII, CLINs 0034/0017:**

CLIN 0034

- a Estimated Cost, Exclusive of Fee: \$
- b Base Fee is: \$
- c Estimated Cost Plus Base Fee is: \$
- d. Maximum Award Fee is: \$
- e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

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**B-31. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option XVIII, CLINs 0035/0021:**

**CLIN 0035**

- a Estimated Cost, Exclusive of Fee: \$
- b Base Fee is: \$
- c Estimated Cost Plus Base Fee is: \$
- d. Maximum Award Fee is: \$
- e. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

**B-32. AWARD FEE (APPLICABLE TO CLINs 0001, 0006, 0010, 0014, AND 0018**

a. The contractor's performance hereunder shall be evaluated in accordance with this provision and H-"AWARD FEE EVALUATION". Award fee earned by the contractor, as determined by the Award Fee Determining Official, will be awarded by the execution of a unilateral modification to the contract issued approximately sixty (60) days following completion of each award fee period.

b. Fee determinations by the Award Fee Determining Official shall not be subject to the clause of this contract titled "Disputes" and shall be final.

c. Following is a list by award fee period of the Award Fee Available, Award Fee Earned, and Award Fee Not Earned Removed From Contract, applicable to this contract:

<b>AWARD FEE PERIOD</b>	<b>PROGRAM PHASES</b>	<b>AWARD FEE AVAILABLE</b>	<b>AWARD FEE EARNED</b>	<b>AWARD FEE NOT EARNED REMOVED FROM CONTRACT</b>
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**CLIN 0001 (BASIC), AND CLIN 0031 (OPTION XIV), IF EXERCISED:**

First	One Month After Award Of Contract(Initial Transition Phase)	TBD		\$
Second	Three Months After Award Of Contract(Baseline Phase)	TBD		\$
Third	Six Months After Award Of Contract(First User Support Phase)	TBD	\$	\$
Fourth	Twelve Months After Award of Contract(Second User Support Phase)	TBD	\$	\$

**CONTINUATION SHEET**REFERENCE NO. OF DOCUMENT BEING CONTINUED  
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Fifth	Eighteen Months After Award of Contract(Third User Support Phase)	TBD	\$	\$
Sixth	Twenty-Three or Twenty Four Months After Award Of Contract(Fourth User Support Phase)	TBD	\$	\$
Seventh	Twenty-Four Months After Award of Contract(Final Transition Phase)	TBD	\$	\$

CLIN 0006 (Option I), IF EXERCISED, AND CLIN 0032(OPTION XV), IF EXERCISED:

First	Thirty Months After Award of Contract	\$	\$	\$
Second	Thirty-Five or Thirty-Six Months After Award of Contract	\$	\$	\$
Third (Optional)	Thirty-Six Months After Award of Contract	\$	\$	\$

CLIN 0010 (Option II), IF EXERCISED, AND CLIN 0033(OPTION XVI), IF EXERCISED:

First	Fourty-Two Months After Award of Contract	\$	\$	\$
Second	Forty-Seven or Forty-Eight Months After Award of Contract	\$	\$	\$
Third (Optional)	Forty-Eight Months After Award of Contract	\$	\$	\$

CLIN 0014 (Option III), IF EXERCISED, AND CLIN 0034(OPTION XVII), IF EXERCISED:

First	Fifty-Four Months After Award of Contract	\$	\$	\$
Second	Fifty-Nine or Sixty Months After Award of Contract	\$	\$	\$
Third (Optional)	Sixty Months After Award of Contract	\$	\$	\$

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CLIN 0018 (Option IV), IF EXERCISED, AND CLIN 0035(Option XVIII) IF EXERCISED:

First	Sixty-Five Months After Award of Contract	\$	\$	\$
Second (Final Transition)	Sixty-Six Months After Award of Contract	\$	\$	\$

d. Following the award fee determination for the period, the Government will modify the contract to definitize the award fee earned by the contractor. The contractor may, in turn, voucher for the remaining earned award fee.

e. This effort will occur in discrete phases, each ending with a Milestone Review. CAS will be required to render non-routine services and respond to changing customer requirements, MDDC Program needs, and state of the art. The functional areas of importance to customers and USASMDC may fluctuate in unpredictable ways as the work progresses. To accommodate these circumstances the Award Fee Determining Official may unilaterally change matters in this plan that do not otherwise require agreement under the contract, providing CAS receives notice of the changes at least fifteen days prior to the beginning of the evaluation period to which the changes apply.

f. Provisional award fee payments, representing a percentage of the award fee amount allocated to long evaluation periods, may be made at regular intervals during such long periods. They are superseded at the end of the evaluation period by the award fee determination amount. The percentage of allocated award fee to be paid provisionally shall not exceed seventy-five (75%) of available award fee in any period. In the event the amount of provisional payments made exceeds the amount of the award fee determination for that period, CAS shall either credit the next payment voucher for the amount of the overpayment or refund the difference.

B-33. **LEVEL OF EFFORT:** Task Orders will be issued to activate performance of CLIN 0001 of the Basic Contract; and, if the option therefore is exercised, CLINs 0006, 0010, 0014, 0018, 0031,0032, 0033, 0034 and 0035. The maximum direct productive person hours (DPPH) for each of these CLINs is specified below. This is the total DPPH for each of these CLINs as contemplated in FAR 52.216-22, "INDEFINITE QUANTITY" (Section I, Clause 23). For these CLINs, the minimum DPPH for a Task Order is 100 hours.

<u>CLINs</u>	<u>MAXIMUM DIRECT PRODUCTIVE PERSON HOURS LEVEL OF EFFORT</u>
CLIN 0001	93,132
CLIN 0006	45,063
CLIN 0010	35,117
CLIN 0014	31,882
CLIN 0018	15,178

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**SURGE OPTIONS**

CLIN 0031	79,015
CLIN 0032	36,845
CLIN 0033	35,755
CLIN 0034	34,690
CLIN 0035	16,829

a. DPPH are defined as prime contractor, consultant, and subcontractor actual direct labor hours exclusive of vacation, holiday, sick leave, and other absences.

b. Prior to final payment on a Task Order, the contractor is required to certify to the Administrative Contracting Officer that he has exerted the total DPPHs by CLIN, as stated in each voucher; has completed all associated travel; has acquired all materials; has provided the reports called for; and the effort performed and reports provided are considered satisfactory by the Government.

**B-34. BASE AND AWARD FEE:** Both the base and award fees will be accrued/paid per DPPH expended in performance of this contract.

a. The amount of base fee per DPPH will be determined for each LOE CLIN (including "surge" LOE CLINs) using the following calculation:

The total base fee for a given CLIN, divided by the total DPPH under the CLIN = the "Base Fee Per Hour" for that CLIN.

b. The amount of award fee available to be earned per DPPH will be determined for each LOE CLIN (including "surge" LOE CLINs) using the following calculation:

The maximum award fee for a given CLIN, divided by the total DPPH under the CLIN = the "Award Fee Available to be Earned Per Hour" for that CLIN.

c. Entitlement to the total negotiated base fee for a given CLIN will be contingent upon exertion of the total DPPH under that CLIN.

**B-35. GUARANTEED MINIMUM:** The guaranteed minimum payments to the contractor under this contract will be \$2.3M over the course of the full five and one half year period of performance.

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**SECTION D Packaging and Marking**

**PRESERVATION, MARKING AND LABELING, PACKAGING AND PACKING, AND WEIGHING:**  
Preservation, packaging, marking and labeling shall be Level C in accordance with ASTM D3951-90 (Standard Practice for Commercial Packaging).

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## SECTION E Inspection and Acceptance

**SECTION E - INSPECTION AND ACCEPTANCE**

E-1. CLAUSE INCORPORATED BY REFERENCE (JUN 1988) (FAR 52.252-2): This contract incorporates one or more clauses by reference, with the same force and effect as if it were given in full text. Upon request, the Contracting Officer will make its full text available.

**FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSE**

<b><u>CLAUSE NUMBER</u></b>	<b><u>FAR CITATION</u></b>	<b><u>CLAUSE TITLE</u></b>	<b><u>DATE</u></b>
1	52.246-5	INSPECTION OF SERVICES-COST REIMBURSEMENT	APR 1984

E-2. ACCEPTANCE. Acceptance by the Government of all items delivered hereunder shall be at destination.

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## SECTION F Deliveries or Performance

## CLAUSES INCORPORATED BY FULL TEXT

**PERIOD OF PERFORMANCE:** The contractor shall provide all level of effort, data, reports, hardware and software (Materials), maintenance as follows:

- a. CLINs 0001, 0002, 0003, 0004, and 0005: The period of performance for CLINs 0001, 0002, 0003, 0004, and 0005 (Basic) shall be twenty-four months after the effective date of the contract. (01 FEB 11)
- b. CLINs 0006, 0007, 0008 and 0009: The period of performance for CLINs 0006, 0007, 0008, and 0009 (Option I) shall be twelve months after exercise of the Option I.
- c. CLINs 0010, 0011, 0012 and 0013: The period of performance for CLINs 0010, 0011, 0012 and 0013 (Option II) shall be twelve months after exercise of Option II.
- d. CLINs 0014, 0015, 0016 and 0017: The period of performance for CLINs 0014, 0015, 0016 and 0017 (Option III) shall be twelve after exercise of Option III.
- e. CLINs 0018, 0019, 0020 and 0021: The period of performance for CLINs 0018, 0019, 0020 and 0021 (Option IV) shall be six after exercise of Option IV.
- f. Option VI (CLIN 0023), Option VIII (CLIN 0025), and Option X (CLIN 0027): The contractor shall provide facilities for the MDDC Operation Site for the twelve(12) months period of performance of Options I, II, and III, respectively. Option XII (CLIN 0029): The contractor shall provide facilities for the MDDC Operation Site for the six (6) months period of performance of Option IV.
- g. Should the Option for one of CLINs 0022, 0024, 0026, 0028, or 0030 be exercised, the time and location of the government facility will be in the task order.
- h. Surge Option XIV, CLIN 0031: The contractor shall provide all level of effort exercised from CLIN 0031 into CLIN 0001, Basic, within the applicable period of performance stated in paragraph a. above.
- i. Surge Option XV, CLIN 0032: The contractor shall provide all level of effort exercised from CLIN 0032 into CLIN 0006, Option I, within the applicable period of performance stated in paragraph b. above.
- j. Surge Option XVI, CLIN 0033: The contractor shall provide all level of effort exercised from CLIN 0033 into CLIN 0010, Option II, within the applicable period of performance stated in paragraph c. above.
- k. Surge Option XVII, CLIN 0034: The contractor shall provide all level of effort exercised from CLIN 0034 into CLIN 0014, Option III, within the applicable period of performance stated in paragraph d. above.
- l. Surge Option XVIII, CLIN 0035: The contractor shall provide all level of effort exercised from CLIN 0035 into CLIN 0018, Option IV, within the applicable period of performance stated in paragraph e. above.

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F-2 DATA AND REPORTS: The contractor shall prepare and deliver data and reports in accordance with the Contract Data Requirements List, DD Form 1423.

F-3 PLACE AND METHOD OF DELIVERY:

a. IAW FAR 52.247-34, F.O.B. Destination, the contractor shall deliver the reports and data specified in the Contract Data Requirements List, DD Form 1423, transportation charges paid, and addressed to the attention of offices by symbol as shown in Block 14 of DD Form 1423.

b. The contractor shall furnish the Procuring Contracting Officer and the Administrative Contracting Officer one (1) copy of the transmittal letters submitting data requirements to the offices shown in Block 14 of DD Form 1423.

F-4 CLAUSE INCORPORATED BY REFERENCE (JUN 1988) (FAR 52.252-2): This contract incorporates one or more clauses by reference, with the same force and effect as if it were given in full text. Upon request, the Contracting Officer will make its full text available.

**FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSE**

<u>CLAUSE NUMBER</u>	<u>FAR CITATION</u>	<u>CLAUSE TITLE</u>	<u>DATE</u>
1	52.242-15	STOP WORK ORDER ALTERNATE	AUG 1989 APR 1984

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SECTION G Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

CONTRACT ACRN	FUNDING DATA	COST CODE	AMOUNT
AA	979 0400.2501 36-6011 P4080000000 2552 DH9B180000 S01021 DH9B180000/9HHN06/H	Basic Award	\$2,041,075.00000

FUNDING ACRN	JOB ORDER NO	JOB ORDER QTY	JOB ORDER AMOUNT
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CONTRACT ACRN	FUNDING DATA	COST CODE	AMOUNT
AB	979 0400.2501 36-6011 P4080000000 2552 DH9B180800 S01021 DH9B180800/9HHN06/H	Basic Award	\$187,539.00000

FUNDING ACRN	JOB ORDER NO	JOB ORDER QTY	JOB ORDER AMOUNT
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CONTRACT ACRN	FUNDING DATA	COST CODE	AMOUNT
AC	9790400.2501 36-6011 P40800000000 2552 DH9B180900 S01021 DH9B180900 S01021 DH9B180900/9HHN06/H	Basic Award	\$136,946.00000

FUNDING ACRN	JOB ORDER NO	JOB ORDER QTY	JOB ORDER AMOUNT
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CLAUSES INCORPORATED BY FULL TEXT

NAME OF OFFEROR OR CONTRACTOR  
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G-2: INVOICING AND VOUCHERING:

a. When authorized by the Defense Contract Audit Agency (DCAA) in accordance with DFARS 242.803(b)(i)(C), the contractor may submit interim vouchers directly to paying offices. Such authorization does not extend to the first and final vouchers. Submit first vouchers to the cognizant DCAA office. Final vouchers will be submitted to the ACO with a copy to DCAA.

b. Upon written notification to the contractor, DCAA may rescind the direct submission authority. Upon receipt of the written notice to rescind the direct submission authority, the contractor will immediately begin to submit public vouchers for the affected contracts to DCAA.

c. Should the contractor decline to submit interim vouchers directly to paying offices or if the contractor receives written notification that DCAA has rescinded the direct submission authority, public vouchers, together with any necessary supporting documentation, shall be submitted to the cognizant Defense Contract Audit Agency (DCAA) Office, prior to payment by the Finance and Accounting Office specified in Block 12, Page 1, Section A, of Standard Form 26.

d. The contractor shall identify on each public voucher: (1) The accounting classification reference number (ACRN) assigned to the accounting classification which pertains to the charges billed, e.g. "ACRN: AA;" (2) the BMDO Order Number/PRON; and (3) the words "BMD CONTRACT" in bold type on the face page of the voucher. Since vouchers are paid by BMDO Order Number/PRON within accounting classification, it is necessary that the BMDO Order Number/PRON be shown on each voucher.

e. Department of Defense requires that the Taxpayer Identification Number (TIN) be placed on all certified payment vouchers, including non-profit organizations, when submitting payment to the disbursing office. The only exception is foreign vendors, which will have the word "foreign" in the TIN field. Invoices will be returned to the vendor without payment if a TIN is not provided.

f. Billings for provisional award fee payments will be in accordance with provision of B-34 hereto. Billings for the difference between award fee earned and provisional award fee billed will, subject to Provision B-34 hereof, be presented subsequent to the issuance of a contract modification definitizing the amount of award fee earned.

g. The contractor may include in provisional vouchers base fee based on the DPPHs expended subject to the withholding reserve of the contract clause titled "Fixed Fee."

h. The paying office shall ensure that the voucher is disbursed for each ACRN as indicated on the voucher (or as specified herein).

i. A copy of each voucher, together with any necessary supporting documentation, shall also be submitted to the issuing office specified in Block 5, Page 1, Section A of Standard Form 26, concurrently with submission to the DCAA.

j. The contractor shall maintain the capability to accept multiple sources of funds, collect costs against multiple Task Orders of unique work, report status periodically, and voucher the government in accordance with the requirements stated herein.

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G-3. CONTRACTING ACTIVITY REPRESENTATIVE:

Contracting Matters

NAME:  
ORGANIZATIONAL CODE:  
TELEPHONE NUMBERS:  
COMMERCIAL:  
DEFENSE SWITCHED NETWORK (DSN):

[REDACTED]  
SMDC-CM-CN

[REDACTED]

G-4. IDENTIFICATION OF CORRESPONDENCE: All correspondence and data submitted by the contractor under this contract shall reference the contract number.

G-5: IMPLEMENTATION OF AND EXPLANATION OF THE RELATIONSHIP OF THE LIMITATION OF FUNDS (LOF) CLAUSE TO FEE OBLIGATIONS: The amount of funds estimated to be required for full performance, including fee(s); the amount of funds allotted pursuant to the Contract Clause hereof entitled, Limitation of Funds; the amount of funds currently obligated for fee; and the estimated period of performance covered by the funds allotted are set forth below. Amounts obligated for fee are separate from and are not to be commingled with the amounts allotted for costs and are not available to the contractor to cover costs in excess of those allotted to the contract for cost.

BASIC

CLINs 0001/0005

a. Amount Required for Full Funding:	\$4,137,699
b. Estimated Cost, Exclusive of Fee:	\$3,774,515
c. Base Fee:	\$ 74,967
d. Estimated Cost Plus Base Fee:	\$3,849,482
e. Maximum Award Fee:	\$ 288,217
f. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$4,137,699
g. Prior Amount Funded:	\$ 0
h. Cumulative Amount Funded:	\$2,041,075
i. Net Required for Full Funding:	\$2,096,624

G-6. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLINs 0002/0005:

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CAS INC

## CLINs 0002/0005

a. Amount Required for Full Funding:	\$381,605
b. Estimated Cost, Exclusive of Fee:	\$187,539
c. There is no fee for this CLIN:	\$ 0
d. Total Estimated Cost:	\$187,539
e. Prior Amount Funded:	\$ 0
f. Cumulative Amount Funded:	\$187,539
g. Net Required for Full Funding:	\$194,066

G-7. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLINs 0003/0005:

## CLINs 0003/0005

a. Amount Required for Full Funding:	\$
b. Estimated Cost, Exclusive of Fee:	\$
c. There is no fee for this CLIN:	\$
d. Total Estimated Cost:	\$
e. Prior Amount Funded:	\$
f. Cumulative Amount Funded:	\$
g. Net Required for Full Funding:	\$

G-8. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLINs 0004/0005:

## CLINs 0004/0005:

a. Amount Required for Full Funding:	\$270,941
b. Estimated Cost, Exclusive of Fee:	\$136,946
c. There is no fee for this CLIN:	\$ 0
d. Total Estimated Cost:	\$136,946
e. Prior Amount Funded:	\$ 0
f. Cumulative Amount Funded:	\$136,946
g. Net Required for Full Funding:	\$133,995

G-9: IMPLEMENTATION OF AND EXPLANATION OF THE RELATIONSHIP OF THE LIMITATION OF FUNDS (LOF) CLAUSE TO FEE OBLIGATIONS: The amount of funds estimated to be required for full performance, including fee(s); the amount of funds allotted pursuant to the Contract Clause hereof entitled, Limitation of Funds; the amount of funds currently obligated for fee; and the estimated period of performance covered by the funds allotted are set forth below. Amounts obligated for fee are separate from and are not to be commingled with the amounts allotted for costs and are not available to the contractor to cover costs in excess of those allotted to the contract for cost.

OPTION I

## CLINs 0006/0009

a. Amount Required for Full Funding:	\$
b. Estimated Cost, Exclusive of Fee:	\$

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- c. Base Fee: \$
- d. Estimated Cost Plus Base Fee: \$
- e. Maximum Award Fee:: \$
- f. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$
- g. Prior Amount Funded: \$
- h. Cumulative Amount Funded: \$
- i. Net Required for Full Funding: \$

**G-10 ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLINs 0007/0009:**

CLINs 0007/0009

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. There is no fee for this CLIN
- d. Total Estimated Cost: \$
- e. Prior Amount Funded: \$
- f. Cumulative Amount Funded: \$
- g. Net Required for Full Funding: \$

**G-11 STIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLINs 0008/0009:**

CLINs 0008/0009

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. There is no fee for this CLIN: \$
- d. Total Estimated Cost: \$
- e. Prior Amount Funded: \$
- f. Cumulative Amount Funded: \$
- g. Net Required for Full Funding: \$

**G-12: IMPLEMENTATION OF AND EXPLANATION OF THE RELATIONSHIP OF THE LIMITATION OF FUNDS (LOF) CLAUSE TO FEE OBLIGATIONS:** The amount of funds estimated to be required for full performance, including fee(s); the amount of funds allotted pursuant to the Contract Clause hereof entitled, Limitation of Funds; the amount of funds currently obligated for fee; and the estimated period of performance covered by the funds allotted are set forth below. Amounts obligated for fee are separate from and are not to be commingled with the amounts allotted for costs and are not available to the contractor to cover costs in excess of those allotted to the contract for cost.

**OPTION II**

CLINs 00010/0013

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. Base Fee: \$
- d. Estimated Cost Plus Base Fee: \$
- e. Maximum Award Fee:: \$
- f. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

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contract is incrementally funded, the amount of funds allotted, shall not be increased or deemed to be increased by issuance thereof.

OPTION FOR INCREASED LEVEL OF EFFORT TO EXTEND THE TERM OF THE CONTRACT: Option I through Option IV, CLINs 0006 through 0021 of this contract shall be exercised, at the unilateral option of the Government by the Contracting Officer giving written notice to the contractor within the time specified in subparagraphs a. through d. below for each Option. Total duration of this contract including the exercise of the options under this article shall not exceed five and one-half (5 1/2) years. Should the Government exercise any option(s) hereunder, all contractual terms and conditions shall apply during the option(s) period.

a. Option I consisting of CLINs 0006, 0007, 0008 and 0009 shall be exercised not later than completion of the Basic period of performance. It will be performed subsequent to the completion of the BASIC.

b. Option II consisting of CLINs 0010, 0011, 0012 and 0013 shall be exercised not later than completion of the Option I period of performance. It will be performed subsequent to the completion of Option I.

c. Option III consisting of CLINs 0014, 0015, 0016 and 0017 shall be exercised not later than completion of Option II period of performance. It will be performed subsequent to the completion of Option II.

d. Option IV consisting of CLINs 0018, 0019, 0020 and 0021 shall be exercised not later than completion of the Basic, Option I, Option II, or Option III period of performance. It will be performed subsequent to the completion of the BASIC or Option in which it was exercised.

e. Options for Facilities and Move: It is the Government's intent to relocate the Missile Defense Data Center operation site to a government facility during the performance of this contract. However, the government has not made a final decision. (Relocation of the MDDC to a government facility is included in the following options, only one relocation option may be exercised).

(1) Option VI consists of CLIN 0023 for the MDDC Operation Site Facility. Option I and Option VI must be exercised together unless the MDDC has been relocated to a government facility as per Option V.

(2) Option VII consists of CLIN 0024 for relocation of the MDDC to a government facility. Option VII may be exercised during the Option I period of performance.

(3) Option VIII consists of CLIN 0025 for the MDDC Operation Site Facility. Option II and Option VIII must be exercised together unless the MDDC has been relocated to a government facility as per Option V or VII.

(4) Option IX consists of CLIN 0026 for relocation of the MDDC to a government facility. Option IX may be exercised during the Option II period of performance.

(5) Option X consists of CLIN 0027 for the MDDC Operation Site Facility. Option III and Option X must be exercised together unless the MDDC has been relocated to a government facility as per Option V, VII, or IX.

(6) Option XI consists of CLIN 0028 for relocation of the MDDC to a government facility. Option XI may be exercised during the Option III period of performance.

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(7) Option XII consists of CLIN 0029 for the MDDC Operation Site Facility. Option IV and Option XII must be exercised together unless the MDDC has been relocated to a government facility as per Option V, VII, IX, or XI.

(8) Option XIII consists of CLIN 0030 for relocation of the MDDC to a government facility. Option XIII may be exercised during the Option IV period of performance.

f. Option for Increased Level of Effort (Surge Options): At the unilateral option of the government Option XIV (CLIN 0030), Option XV (CLIN 0032), Option XVI (CLIN 0033), Option XVII (CLIN 0034) and Option XVIII (CLIN 0035) may be exercised incrementally or totally until the total number of hours have been ordered during the period of performance specified in F-1 as follows:

(1) Increments under Option XIV (CLIN 0031) may be exercised incrementally or totally until the total number of hours have been ordered within the twenty-four month basic contract period of performance.

(2) Increments under Option XV (CLIN 0032) may be exercised incrementally or totally until the total number of hours have been ordered within the twelve month Option I contract period of performance.

(3) Increments under Option XVI (CLIN 0033) may be exercised incrementally or totally until the total number of hours have been ordered within the twelve month Option II contract period of performance.

(4) Increments under Option XVII (CLIN 0034) may be exercised incrementally or totally until the total number of hours have been ordered within the twelve month Option III contract period of performance.

(5) Increments under Option XVIII (CLIN 0035) may be exercised incrementally or totally until the total number of hours have been ordered within the twelve month Option IV contract period of performance.

g. The Government will notify the contractor of its intent to exercise or not exercise the many available options under the contract at least thirty (30) days prior to the option exercise date. Such preliminary notice will not be deemed to commit the Government to renewal and the contractor shall incur no costs chargeable to these options until the contracting Officer has provided written notification that the options have been exercised.

MINIMUM INSURANCE LIABILITY: Pursuant to the requirements of the contract clause 52.228-7, "Insurance-Liability to Third Persons," the contractor shall obtain and maintain at least the following kinds of insurance and minimum liability coverage during any period of contract performance.

a. Workmen's Compensation and Employers' Liability Insurance: Compliance with applicable workmen's compensation and occupational disease statutes is required. Employers' liability coverage in the minimum amount of \$100,000 is required.

b. General Liability Insurance: Bodily injury liability insurance, in the minimum limits of \$500,000 per occurrence, is required on the comprehensive form of policy; however, property damage liability insurance is not required.

c. Automobile Liability Insurance: This insurance is required on the comprehensive form of policy and shall provide bodily injury liability and property damage liability covering the operation of all automobiles used in connection with the performance of the contract. At least the minimum limits of \$200,000 per person and \$500,000 per occurrence for bodily injury and \$20,000 per occurrence for property damage is required.

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### Security Requirements

a. The Cognizant Security Agency, USASMDC, shall establish the lines of authority and Cognizant Security Offices (CSOs) for contract security administration, oversight, review, inspection, certification, and accreditation. The DOD Contract Security Classification Specification, DD Form 254, is necessary during the lifetime of this contract when contract security requirements change. The prime contractor shall review the security requirements during the different states of this contract. The prime contractor shall review the security requirements during the different stages of this contract and provide applicable changes to its subcontractors, consultants, and vendors. The prime contractor shall ensure that the latest revision of the DD Form 254 is included in any subcontract of this contract.

b. On a need-to-know basis, the contractor shall be granted access to, and shall accept, account for, communicate, control, disclose, dispose of, generate, mark, process, receive, reproduce, safeguard, and transmit classified information according to the DD Form 254.

c. The Contractor shall appoint a cleared employee to be the Facility Security Officer (FSO) who will supervise and direct security measures for implementing the National Industrial Security Program Operating Manual (NISPOM – DOD 5220.22-M) and related Federal requirements for classified information in the MDDC Operation Site Facility. Prior to receiving any classified information or communications security (COMSEC) material under this contract, the contractor shall obtain a Facility Security Clearance (FCL) at the classification level in the DD Form 254.

d. The contractor shall appoint a cleared employee to the COMSEC Custodian. The Contractor shall maintain a COMSEC account for the MDDC Operations Site in accordance with the applicable requirement from the National Security Agency (NSA) and other agencies in the COMSEC chain of applicability..

e. Prior to processing any classified information in the MDDC Operation Site, the contractor shall publish and promulgate an Automated Information Systems (AIS) Security Plan (AISSP) that addresses the classified processing environment in the MDDC Operation Site. The contractor shall appoint a cleared employee to be the Information System Security Representative (ISSR) responsible for the implementation of AIS Security, and operational compliance with the AISSP for the MDDC Operation Site to include the responsibilities in Section 8-120.b. of the NISPOM.

f. The contractor shall provide all cleared employees with security training and briefings deemed appropriate by the Contracting Activity and commensurate with their duties and responsibilities with classified information in the MDDC Operation Site.

g. The contractor shall furnish the Secure Telephone Units (STU-III) to receive Classified data requests by facsimile and telephone as contemplated in Section H-10.b.

h. The contractor shall update and implement an Operations Security (OPSEC) Plan as contemplated by Section F-2.

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**MDDC OPERATION SITE:** The Contractor shall operate the MDDC Operation Site to serve data suppliers and users between the hours of 8:00 am and 4:30 pm Central Standard Time, every Monday through Friday, except legal public holidays as defined in U.S.C. Title 15, Chapter 6, Subchapter IX and Title 5, Section 6103.

- a. The Contractor shall receive Unclassified data requests from users 24 hours per day, seven days per week.
- b. The Contractor shall receive Classified data requests from users during MDDC business hours.

**TASK ORDERS:** Only the Contracting Officer shall issue Task Orders pursuant to FAR 52.216-22. Task Orders shall activate performance of CLINs 0001, 0002, 0003, 0004, and 0005 of the Basic contract; and, if the option therefor is exercised, CLINs 0006 through 0035. The contractor shall submit a Task Order plan and cost proposal, no later than the time specified in the Task Order, for evaluation and approval or disapproval by the Contracting Officer. The contractor shall execute the Task Order after receiving Contracting Officer approval. Task Orders will designate the Government Task Monitor and Alternate to review and evaluate the contractor's progress. Such review and evaluation shall neither effect nor result in any change in the Task Order requirements, the contract Statement of Work, or in the price, schedule, or level of effort required by the Task Order within the meaning of the "CHANGES" clause.

a. **Level of Effort.** Multiple Task Orders may be issued sequentially or in parallel for performance under CLIN 0001, and, if the option therefor is exercised, CLINs 0006, 0010, 0014, 0018, 0031, 0032, 0033, 0034, and 0035 as contemplated by the Statement of Work. It is envisioned that the Project Engineer will develop the MDDC Program requirements for each Award Fee Period. It is also envisioned that other Government programs, in coordination with the Project Engineer, may develop user requirements as contemplated by the Statement of Work. In its Task Order plan and cost proposal for level of effort, the contractor shall: (a) use the Contract Work Breakdown Structure (CWBS); (b) use the contract labor categories, labor rates, overhead rates, and rates for other indirect costs (e.g. travel); and (c) include the names of the prime and subcontractor employees who will be in the contractor's Key Positions.

b. **Maintenance.** Multiple Task Orders may be issued sequentially or in parallel for hardware and software parts and maintenance under CLIN 0002, and, if the option therefor is exercised, CLINs 0007, 0011, 0015, and 0019 as contemplated by the Statement of Work. It is envisioned that the Project Engineer will include maintenance requirements in the MDDC Program requirements. However, separate maintenance requirements may be issued in parallel in a separate Task Order. In its Task Order plan and cost proposal for maintenance, the contractor shall: (a) use the contract rates for indirect costs; (b) receive and evaluate competitive quotes for maintenance from vendors; and (c) provide these quotes and its evaluations of them for evaluation and approval or disapproval.

c. **Procurement.** Multiple Task Orders may be issued sequentially or in parallel for hardware or software procurement under CLIN 0003, and, if the option therefor is exercised, CLINs 0008, 0012, 0016, and 0020 as contemplated by the Statement of Work. It is envisioned that the Project Engineer will develop hardware and software procurement requirements. In its Task Order plan and cost proposal for hardware or software procurement, the contractor shall: (a) use the contract rates for indirect costs; (b) receive and evaluate competitive quotes for items from vendors; and (c) provide these quotes and its evaluations of them for evaluation and approval or disapproval.

d. **Facility.** A Task Order for the facility, insurance, building maintenance, and parking; and the security, telephone, Internet access and utility services for the MDDC Operation Site will be issued under CLIN

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0004; and, if the option therefor is exercised, CLINs 0023, 0025, 0027, and 0029 as contemplated by Sections H-5, H-9, H-10, H-11, and H-14. The contractor shall negotiate and provide the proposed lease for the facility in its Task Order cost proposal, and submit it to the Contracting Officer for review, before the contractor executes a lease.

e. Relocate. If the option therefor is executed, the Contracting Officer may issue a Task Order for the relocation of the MDDC into a government facility under CLINs 0022, 0024, 0026, 0028, or 0030, as contemplated by the Statement of Work. The time for relocation will be in the Task Order. The contractor shall submit the Task Order plan and cost proposal which cannot exceed the amount as set forth for the respective CLIN, to the Contracting Officer for evaluation and approval or disapproval. Upon approval by the Contracting Officer the contractor shall implement the Task Order plan.

f. Contract Deliverable List (CDRL). All Task Orders may include requirements for delivery of data, reports, or software code under CLIN 0005, and, if the option therefor is exercised, CLINs 0009, 0013, 0017, and 0019, as contemplated by Section F-2. Task Order deliverable requirements and time schedules shall be provided in the Task Order."

**GOVERNMENT FURNISHED DATA COMMUNICATIONS SERVICE:**

The Government will arrange for transfer of the T-1 Communications line after contract award and CAS will not be required to perform any task requiring use to the T-1 line until the line has been activated at the MDDC facility at 650 Discovery Drive.

**Key Positions**

a. The key personnel listed in paragraph b. below are considered to be critical to the successful performance of this contract. Prior to replacing these key personnel, the contractor shall obtain written consent of the contracting officer. In order to obtain such consent, the contractor must provide advance notice of the proposed changes and must demonstrate that the qualifications of the proposed substitute personnel are generally equivalent to or better than the qualifications of the personnel being replace.

b. Key Personnel List:

<u>NAME</u>	<u>POSITION</u>	<u>TEAM MEMBER</u>
[REDACTED]	Program Manager	CAS
[REDACTED]	Operations Manager	CAS
[REDACTED]	Data Administrator	TRW
[REDACTED]	Chief Engineer	CAS
[REDACTED]	Task Manager	CAS
[REDACTED]	Task Manager	CAS
[REDACTED]	Task Manager	CAS

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	Task Manager	CAS
	Task Manager	CAS
	Task Manager	CAS
	Task Manager	TRW

Year 2000 Compliance: The Contractor warrants that each information technology item developed or procured under this contact, to include hardware, software, firmware, and middleware whether acting alone or combined as a system, shall be Year 2000 compliant as defined in FAR Part 39.

## EVALUATION METHOD

a. Award Fee Evaluation Periods. The Basic effort will occur in sequential evaluation periods called phases, each ending with a Milestone Review or Final Report. During each phase the USASMDC will formally evaluate and document CAS' performance according to this AFDP. The seven phases of the Basic effort are described in section 3.5 of the SOW and in Section B-32. It will be revised to cover Options I, II, III, IV, XV, XVI, XVII, and XVIII if they are exercised.

(1) In the event Option I is exercised the Fourth User Support Phase will be a six- month period, and the Milestone VI Review will be conducted twenty-four months after contract award.

(2) In the event Option I is not exercised a Task Order will be issued for the one-month Final Transition Phase.

b. Allocation of Award Fee Pool and Disposition of Unearned Award Fee.

Award fee earned will be determined based on the cost of Direct Productive Person Hours (DPPH) expended during each evaluation period. The quantity of DPPH specified in the contract Schedule are not purchased until ordered in accordance with the Task Order clause of the contract.

c. Functional Performance Areas, Weighting Factors, and Evaluation Criteria. The USASMDC will use performance-based contracting techniques to the maximum extent practical on the MDDC contract. When practical, Task Orders will describe the specific requirements in terms of measurable performance that must be met in performing the Task Order. CAS' input performance will also be evaluated. Weighting factors for these evaluations will be (i) Technical Areas: Data User Support – twenty-five percent (25%) and Methods/Processes/ Techniques – twenty-five percent (25%); (ii) Program Management Areas – twenty-five percent (25%); and (iii) Cost Control – twenty-five percent (25%). Methods/processes/techniques are key intermediate elements influencing successful contract performance, i.e. coordination, engineering processes and techniques, testing and maintenance procedures, Configuration Management, and Quality Assurance. Each Task Order will describe how the MDDC Program or User will ensure CAS has performed in accordance with SOW and Task Order performance standards. At the end of each phase CAS shall demonstrate, document, and explain its measurable performance and intermediate elements during the period in a Milestone Review or Final Report. CAS' overall performance will be evaluated, considering the goals, requirements and expectations projected in the contract, SOW, Phase Task Order, and any User Task Orders performed during the period.

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(1) Milestone I Review. During the Initial Transition CAS will be evaluated on the following criteria.

(a) CAS performance will be evaluated on how and to what degree it:

(i) Maintains an effective working relationship with the incumbent contractor and accomplishes the goals and objectives in the Initial Transition Phase Task Order.

(ii) Anticipates and resolves problems, recovers from delays, and reacts in response to changes in a timely and appropriate manner.

(iii) Prepares its policies, procedures, employees, subcontractors, and its facility to meet security requirements, support users, and Assure Quality processes and products.

(iv) Demonstrates its capability to receive and respond to data user requests, provide appropriate Help Desk personnel and respond to user questions, produce accurate data products, and establish Quality Assurance practices.

(v) Demonstrates readiness to disassemble, move, re-configure, operate, and maintain the GFP; to pack, move, store, and administer the GFI; and to support users at its MDDC facility.

(b) CAS performance will be evaluated on its assignment and utilization of qualified personnel to learn, document and demonstrate the:

(i) Configuration, operation and maintenance of Government furnished hardware and software (GFP);

(ii) Administration of Government furnished data, databases, documents, and metadata (GFI); and

(iii) Provision of scientific support on the GFP/GFI and data analysis, reduction and visualization tools in the MDDC.

(c) CAS performance will be evaluated on its methods and thoroughness in:

(i) Determining the physical configuration of the GFP, verifying the functional configuration and operation of the GFP, inventorying the GFP/GFI, and accepting and accounting for all GFP/GFI.

(ii) Documenting and explaining the matters in (a), (b), and (c) above and other matters as required in the Milestone I Review.

(2) Milestone II Review. During the Baseline Phase CAS will be evaluated on the following criteria.

(a) CAS performance will be evaluated on how and to what degree it:

(i) Establishes effective, professional relationships with MDDC users and other Data Centers, maintains their goodwill, and accomplishes the goals and objectives in the Baseline Phase Task Order.

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(ii) Anticipates and resolves problems, recovers from delays, and reacts in response to changes in a timely and appropriate manner.

(iii) Implements its policies and procedures, furnishes trained personnel and facility support to meet security requirements, support users, and Assure Quality processes and products.

(iv) Receives and responds to data user requests, provides appropriate Help Desk personnel and responds to user questions, produces accurate and timely data products, and implements Quality Assurance practices.

(v) Defines, measures and reports appropriate performance metrics to establish a baseline and to assure that it meets the performance standards in the SOW and Task Orders.

(b) CAS performance will be evaluated on its assignment and utilization of qualified personnel to perform and document the:

(i) Disassembly, relocation, re-configuration, operation, and maintenance of the GFP;

(ii) Packing, relocation, storage, and administration of the GFI; and

(iii) Provision of scientific support to users on the GFP/GFI and data analysis, reduction and visualization tools in the MDDC.

(c) CAS performance will be evaluated on its methods, techniques and thoroughness in:

(i) Re-configuring the GFP, verifying its functional operation, and managing its configuration in the new MDDC facility.

(ii) Business process improvement, systems and software engineering, economic analyses, and trade studies to develop process improvements and information technology investment recommendations for the MDDC.

(iii) Documenting and explaining the matters in (a), (b), and (c) above and other matters as required in the Milestone II Review.

(3) Milestone (III, IV, V, and VI) Reviews. During the First, Second, Third, and Fourth User Support Phases, CAS will be evaluated on the following criteria.

(a) CAS performance will be evaluated on how and to what degree it:

(i) Maintains effective, professional relationships and goodwill with MDDC users and other Data Centers, and accomplishes the goals and objectives in the (First, Second, Third, or Fourth) User Support Phase Task Order.

(ii) Anticipates and resolves problems, recovers from delays, and reacts in response to changes in a timely and appropriate manner.

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(iii) Implements its policies and procedures, furnishes trained personnel and facility support to meet security requirements, support users, and Assure Quality processes and products.

(iv) Receives and responds to data user requests, provides appropriate Help Desk personnel and responds to user questions, produces accurate and timely data products, and implements Quality Assurance practices.

(v) Defines, measures and reports appropriate performance metrics to assess against the baseline; and

(vi) Raises the baseline and assures that it meets the performance standards in the SOW and Task Orders.

(b) CAS performance will be evaluated on its assignment and utilization of qualified personnel to perform and document the:

(i) Configuration, operation, and maintenance of the GFP;

(ii) Administration of the GFI; and

(iii) Provision of scientific support to users on the GFP/GFI and data analysis, reduction and visualization tools in the MDDC.

(c) CAS performance will be evaluated on its methods, techniques and thoroughness in:

(i) Managing the configuration of the GFP and GFS in the MDDC.

(ii) Business process improvement, systems and software engineering, and Quality Assurance to implement and test process improvements and to develop or procure information technology in the MDDC.

(iii) Documenting and explaining the matters in (a), (b), and (c) above and other matters as required in the Milestone (III, IV, V, and VI) Review.

(4) Final Report. During the Final Transition Phase, CAS will be evaluated on the following criteria.

(a) CAS performance will be evaluated on how and to what degree it:

(i) Establishes an effective working relationship with the new MDDC contractor, maintains the goodwill of MDDC users for both itself and the new MDDC contractor, and accomplishes the goals and objectives in the Final Transition Phase Task Order.

(ii) Anticipates and resolves problems, recovers from delays, and reacts in response to changes in a timely and appropriate manner.

(iii) Provides and explains to the new MDDC contractor its policies and procedures and facility support to meet security requirements, support users, and Assure Quality processes and products.

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(iv) Explains and demonstrates its methodology and procedures to receive and respond to data user requests, provide appropriate Help Desk personnel and respond to user questions, produce accurate and timely data products, and Assure Quality processes and products.

(v) Assists the new MDDC contractor to plan for disassembling, relocation, re-configuration, operation, and maintenance of the GFP; for packing, relocation, storage, and administration of the GFI; and to support MDDC users at its new MDDC facility.

(b) CAS performance will be evaluated on its assignment and utilization of qualified personnel to demonstrate and explain the:

(i) Configuration, operation and maintenance of the GFP and GFS;

(ii) Administration of the GFI; and

(iii) Provision of scientific support on the GFP/GFI and data analysis, reduction and visualization tools in the MDDC.

(c) CAS performance will be evaluated on its methods and thoroughness in:

(i) Documenting and demonstrating the physical configuration of the GFP, verifying the functional configuration and operation of the GFP, inventorying the GFP/GFI, and inventorying and transferring all of the GFP/GFI.

(ii) Documenting and explaining the matters in (a), (b), and (c) above and other matters as required in the Final Report.

d. Rating Plan and Performance Standards: Following are the adjective rating scale and a brief definition of each adjective rating which are to be used in this contract.

**RATING PLAN AND PERFORMANCE STANDARDS**

Adjective Rating	Percentage Range of Award Fee Earned	Definition
EXCELLENT	80 – 100%	The Contractor’s performance significantly exceeds standard and although there may be a few examples of performance only meeting standard or needing improvements, all of which are minor, they are more than offset by cited examples of performance significantly exceeding standard.
BETTER THAN ACCEPTABLE	60 – 79%	The Contractor’s performance generally exceeds standard and more than offsets the cited examples of performance only meeting standard or needing improvement.
ACCEPTABLE	40 – 59%	The Contractor’s performance meets with cited examples of performance exceeding standard offset by cited examples of performance needing improvement.
		The Contractor’s performance is significantly less than

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BELOW EXPECTED	0 - 39%	standard and although there may be a few examples of performance exceeding or meeting standard they are offset by cited examples of performance needing major improvement.
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e. Performance Evaluations. Evaluation of CAS' performance will be accomplished in accordance with the procedural guidance in Appendix C of USASMDC Pamphlet 715-5.

DISTRIBUTION CONTROL OF TECHNICAL INFORMATION:

a. The following terms applicable to this clause are defined as follows:

(1) Technical Document. Any recorded information that conveys scientific and technical information or technical data.

(2) Scientific and Technical Information. Communicable knowledge or information resulting from or pertaining to conducting and managing a scientific or engineering research effort.

(3) Technical Data. Recorded information related to experimental, developmental, or engineering works that can be used to define an engineering or manufacturing process or to design, procure, produce, support, maintain, operate, repair, or overhaul material. The data may be graphic or pictorial delineations in media such as drawings or photographs, text in specifications or related performance or design type documents, or computer printouts. Examples of technical data include research and engineering data, engineering drawings, and associated lists, specifications, standards, process sheets, manuals, technical reports, catalog-item identifications, and related information and computer software documentation.

b. Except as may otherwise be set forth in the Contract Data Requirements List (CDRL), DD Form 1423, (i) the distribution of any technical document prepared under this contract, in any stage of development or completion, is prohibited without the approval of the Contracting Officer and (ii) all technical documents prepared under this contract shall initially be marked with the following distribution statement, warning, and destruction notice:

(1) DISTRIBUTION STATEMENT F - Further dissemination only as directed by SMDC-IM-PA or higher DOD authority.

(2) WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751 et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., app 2401 et seq. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DOD Directive 5230.25.

(3) DESTRUCTION NOTICE - For classified documents, follow the procedures in DOD 5200.22-M, National Industrial Security Program Operating Manual (NISPOM), Chapter 5, Section 7, or DOD 5200.1-R, Information Security Program Regulation, Chapter IX. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

c. As a part of the review of preliminary or working draft technical documents, the Government will determine if a distribution statement less restrictive than Statement F specified above would provide adequate protection. If so, the Government's approval/comments will provide specific instructions on the distribution statement to be marked on the final technical documents before primary distribution.

**CONTINUATION SHEET**

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## SECTION I Contract Clauses

## CLAUSES INCORPORATED BY REFERENCE:

52.202-1	Definitions	OCT 1995
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	APR 1984
52.203-6	Restrictions On Subcontractor Sales To The Government	JUL 1995
52.203-7	Anti-Kickback Procedures	JUL 1995
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JAN 1997
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	JUN 1997
52.204-2	Security Requirements	AUG 1996
52.204-4	Printing/Copying Double-Sided on Recycled Paper	JUN 1996
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	JUL 1995
52.211-5	Material Requirements	OCT 1997
52.211-15	Defense Priority And Allocation Requirements	SEP 1990
52.215-2	Audit and Records--Negotiation	AUG 1996
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-10	Price Reduction for Defective Cost or Pricing Data	OCT 1997
52.215-12	Subcontractor Cost or Pricing Data	OCT 1997
52.215-15	Termination of Defined Benefit Pension Plans	OCT 1997
52.215-17	Waiver of Facilities Capital Cost of Money	OCT 1997
52.215-19	Notification of Ownership Changes	OCT 1997
52.215-21	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data--Modifications	OCT 1997
52.216-7	Allowable Cost And Payment	APR 1998
52.216-18	Ordering	OCT 1995
52.216-19	Order Limitations	OCT 1995
52.216-12 Alt I	Cost-Sharing Contract--No Fee (Apr 1994) - Alternate I	APR 1984
52.216-15	Predetermined Indirect Cost Rates	APR 1998
52.216-21	Requirements	OCT 1995
52.216-22	Indefinite Quantity	OCT 1995
52.219-6	Notice Of Total Small Business Set-Aside	JUL 1996
52.219-14	Limitations On Subcontracting	DEC 1996
52.222-1	Notice To The Government Of Labor Disputes	FEB 1997
52.222-2	Payment For Overtime Premiums	JUL 1990
52.222-3	Convict Labor	AUG 1996
52.222-4	Contract Work Hours and Safety Standards Act - Overtime Compensation	JUL 1995
52.222-20	Walsh-Healy Public Contracts Act	DEC 1996
52.222-26	Equal Opportunity	APR 1984
52.222-26	Equal Opportunity	APR 1984
52.222-35	Affirmative Action For Disabled Veterans And Veterans of the Vietnam Era	APR 1998

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52.222-36	Affirmative Action For Workers With Disabilities	JUN 1998
52.222-37	Employment Reports On Disabled Veterans And Veterans Of The Vietnam Era	APR 1998
52.223-2	Clean Air And Water	APR 1984
52.223-3	Hazardous Material Identification And Material Safety Data	JAN 1997
52.223-6	Drug Free Workplace	JAN 1997
52.223-10	Waste Reduction Program	OCT 1997
52.225-3	Buy American Act-- Supplies	JAN 1994
52.225-11	Restrictions On Certain Foreign Purchases	AUG 1998
52.227-11	Patent Rights--Retention By The Contractor (Short Form)	JUN 1997
52.228-5	Insurance - Work On A Government Installation	JAN 1997
52.228-7	Insurance--Liability To Third Persons	MAR 1996
52.228-16	Performance and Payment Bonds--Other Than Construction	SEP 1996
52.232-9	Limitation On Withholding Of Payments	APR 1984
52.232-22	Limitation Of Funds	APR 1984
52.232-23	Assignment Of Claims	JAN 1986
52.232-25	Prompt Payment	JUN 1997
52.232-33	Mandatory Information for Electronic Funds Transfer Payment	AUG 1996
52.232-34	Optional Information for Electronic Funds Transfer Payment	AUG 1996
52.233-1	Disputes	OCT 1995
52.233-3	Protest After Award	AUG 1996
52.233-3 Alt I	Protest After Award (Aug 1996) - Alternate I	JUN 1985
52.239-1	Privacy or Security Safeguards	AUG 1996
52.242-1	Notice of Intent to Disallow Costs	APR 1984
52.242-3	Penalties for Unallowable Costs	OCT 1995
52.242-13	Bankruptcy	JUL 1995
52.243-2 Alt V	Changes--Cost-Reimbursement (Aug 1987) - Alternate V	APR 1984
52.244-2 Alt I	Subcontracts (Aug 1998) - Alternate I	AUG 1998
52.244-5	Competition In Subcontracting	DEC 1996
52.244-6	Subcontracts for Commercial Items and Commercial Components	OCT 1998
52.245-5	Government Property (Cost-Reimbursement Time-And-Materials, Or Labor Hour Contracts)	JAN 1986
52.245-19	Government Property Furnished "As Is"	APR 1984
52.246-23	Limitation Of Liability	FEB 1997
52.247-1	Commercial Bill Of Lading Notations	APR 1984
52.249-6	Termination (Cost Reimbursement)	SEP 1996
52.249-14	Excusable Delays	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.203-7001	Special Prohibition On Employment	JUN 1997
252.203-7002	Display Of DOD Hotline Poster	DEC 1991
252.204-7000	Disclosure Of Information	DEC 1991
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.205-7000	Provisions Of Information To Cooperative Agreement Holders	DEC 1991
252.209-7000	Acquisition From Subcontractors Subject To On-Site Inspection Under The Intermediate Range Nuclear Forces (INF) Treaty	NOV 1995
252.215-7002	Cost Estimating System Requirements	OCT 1998
252.223-7004	Drug Free Work Force	SEP 1988
252.225-7031	Secondary Arab Boycott Of Israel	JUN 1992
252.227-7014	Rights in Noncommercial Computer Software and Noncommercial	JUN 1995

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	Computer Software Documentation	
252.227-7015	Technical Data--Commercial Items	NOV 1995
252.227-7016	Rights in Bid or Proposal Information	JUN 1995
252.227-7019	Validation of asserted restrictions--Computer software	JUN 1995
252.227-7030	Technical Data--Withholding Of Payment	OCT 1988
252.227-7034	Patents--Subcontracts	APR 1984
252.227-7036	DeclarationOf Technical Data Conformity	JAN 1997
252.227-7037	Validation of Restrictive Markings on Technical Data	NOV 1995
252.227-7039	Patents--Reporting Of Subject Inventions	APR 1990
252.231-7000	Supplemental Cost Principles	DEC 1991
252.235-7011	Final Scientific or Technical Report	MAY 1995
252.242-7000	Postaward Conference	DEC 1991
252.245-7001	Reports Of Government Property	MAY 1994
252.247-7023	Transportation of Supplies by Sea	NOV 1995

CLAUSES INCORPORATED BY FULL TEXT

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://acqnet.sarda.army.mil/library/default.htm>

52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (OCT 1998)

(a) Definitions.

"Commercial item", as used in this clause, has the meaning contained in the clause at 52.202-1, Definitions.

"Subcontract", as used in this clause, includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c) Notwithstanding any other clause of this contract, the Contractor is not required to include any FAR provision or clause, other than those listed below to the extent they are applicable and as may be required to establish the reasonableness of prices under Part 15, in a subcontract at any tier for commercial items or commercial components:

(1) 52.222-26, Equal Opportunity (E.O. 11246);

(2) 52.222-35, Affirmative Action for Disabled Veterans and Veterans of the Vietnam Era (38 U.S.C. 4212(a));

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(3) 52.222-36, Affirmative Action for Workers with Disabilities (29 U.S.C. 793); and

(4) 52.247-64, Preference for Privately-Owned U.S.-Flagged Commercial Vessels (46 U.S.C. 1241)(flow down not required for subcontracts awarded beginning May 1, 1996).

(d) The Contractor shall include the terms of this clause, including this paragraph (d), in subcontracts awarded under this contract.

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## SECTION J List of Documents, Exhibits and Other Attachments

## Section J Table Of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
---------------	-------------	-------	------

CLAUSES INCORPORATED BY FULL TEXT

**PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS****SECTION J - LIST OF ATTACHMENTS**

<u>TITLE</u>	<u>DATE</u>	<u># OF PAGES</u>
Award/Contract (SF26) and Continuation Sheets	12 FEB 99	77
Contract Security Classification Specification (DD Form 254-E)	01 Jan 99	15
Contract Data Requirements List (DD Form 1423) Exhibits A and B with Distribution List	11 Sep 98	20
Statement of Work, SW-TC-S-36-97, entitled "Missile Defense Data Center"	10 Sep 98	13
U.S. Army Strategic Defense Command Ballistic Missile Defense (BMD) Classification Guide, incorporated herein by reference. Upon request, the Contracting Officer will provide.	03 Jul 89	132
Strategic Defense Initiative Organization Foreign Intelligence Collections Threat to Strategic Defense Initiative Programs threat document which is classified SECRET NOFORN, incorporated herein by reference. Upon request, the Contracting Officer will provide.	29 Jun 92	16
U.S. Army Strategic Defense Command Industrial Operations Security (OPSEC) Guide, incorporated herein by reference. Upon request, the Contracting Officer will provide.	Sep 91	88
Military Standard (MIL-STD) 1806, Marking Technical Data Prepared by or for the	1 Feb 90	43

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Department of Defense, incorporated herein  
by reference.

Section K Contractor's Representations and Certifications which were submitted by the Contractor in response to RFP DASG60-97-R-0007 are hereby incorporated into this contract by reference.

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- g. Prior Amount Funded: \$
- h. Cumulative Amount Funded: \$
- i. Net Required for Full Funding: \$

**G-13 ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLINs 0007/0009:**

**OPTION II**

CLINs 0011/0013

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. There is no fee for this CLIN
- d. Total Estimated Cost: \$
- e. Prior Amount Funded: \$
- f. Cumulative Amount Funded: \$
- g. Net Required for Full Funding: \$

**G-14 STIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLINs 0012/0013:**

**OPTION II**

CLINs 0012/0013

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. There is no fee for this CLIN.
- d. Total Estimated Cost: \$
- e. Prior Amount Funded: \$
- f. Cumulative Amount Funded: \$
- g. Net Required for Full Funding: \$

**G-15: IMPLEMENTATION OF AND EXPLANATION OF THE RELATIONSHIP OF THE LIMITATION OF FUNDS (LOF) CLAUSE TO FEE OBLIGATIONS:** The amount of funds estimated to be required for full performance, including fee(s); the amount of funds allotted pursuant to the Contract Clause hereof entitled, Limitation of Funds; the amount of funds currently obligated for fee; and the estimated period of performance covered by the funds allotted are set forth below. Amounts obligated for fee are separate from and are not to be commingled with the amounts allotted for costs and are not available to the contractor to cover costs in excess of those allotted to the contract for cost.

**OPTION III**

CLINs 00014/0017

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. Base Fee: \$
- d. Estimated Cost Plus Base Fee: \$
- e. Maximum Award Fee: \$
- f. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$

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- g. Prior Amount Funded: \$
- h. Cumulative Amount Funded: \$
- g. Net Required for Full Funding: \$

G-16 ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLINs 0015/0017:

OPTION III

CLINs 0015/0017

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. There is no fee for this CLIN
- d. Total Estimated Cost: \$
- e. Prior Amount Funded: \$
- f. Cumulative Amount Funded: \$
- g. Net Required for Full Funding: \$

G-17 ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR CLINs 0016/0017:

OPTION III

CLINs 0016/0017

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. There is no fee for this CLIN.
- d. Total Estimated Cost: \$
- e. Prior Amount Funded: \$
- f. Cumulative Amount Funded: \$
- g. Net Required for Full Funding: \$

G-18 IMPLEMENTATION OF AND EXPLANATION OF THE RELATIONSHIP OF THE LIMITATION OF FUNDS (LOF) CLAUSE TO FEE OBLIGATIONS: The amount of funds estimated to be required for full performance, including fee(s); the amount of funds allotted pursuant to the Contract Clause hereof entitled, Limitation of Funds; the amount of funds currently obligated for fee; and the estimated period of performance covered by the funds allotted are set forth below. Amounts obligated for fee are separate from and are not to be commingled with the amounts allotted for costs and are not available to the contractor to cover costs in excess of those allotted to the contract for cost.

OPTION IV

CLINs 0018/0021

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. There is no fee for this CLIN.
- d. Total Estimated Cost: \$
- e. Prior Amount Funded: \$

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- f. Cumulative Amount Funded: \$
- g. Net Required for Full Funding: \$

G-19. ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR OPTION IV, CLIN 0019/0021:

**OPTION IV**

CLINs 0019/0021:

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. There is no fee for this CLIN.
- d. Total Estimated Cost: \$
- e. Prior Amount Funded: \$
- f. Cumulative Amount Funded: \$
- g. Net Required for Full Funding: \$

G-20. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR OPTION IV, CLIN 0020/0021:

**OPTION IV**

CLINs 0020/0021:

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. There is no fee for this CLIN.
- d. Total Estimated Cost: \$
- e. Prior Amount Funded: \$
- f. Cumulative Amount Funded: \$
- g. Net Required for Full Funding: \$

G-21. ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR OPTION V, CLIN 0022(RELOCATE-BASIC):

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. Base Fee: \$
- d. Estimated Cost Plus Base Fee: \$
- e. Maximum Award Fee: \$
- f. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$
- g. Prior Amount Funded: \$
- h. Cumulative Amount Funded: \$

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**G-22. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option VI, CLIN 0023:**

**Option VI**

CLIN 0023

- a. The estimated cost, exclusive of fee of the contract, is: \$
- b. There is no fee for this CLIN.
- c. The total contract amount is: \$

**G-23. ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR OPTION V, CLIN 0024 (RELOCATE):**

**OPTION VII**

CLIN 0024:

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. Base Fee: \$
- d. Estimated Cost Plus Base Fee: \$
- e. Maximum Award Fee: \$
- f. Total Estimated Cost, Base Fee, and Maximum Award Fee: \$
- g. Prior Amount Funded: \$
- h. Cumulative Amount Funded: \$
- i. Net Required for Full Funding: \$

**G-24. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option VIII, CLIN 0025:**

**Option VIII**

CLIN 0025:

- a. The estimated cost, exclusive of fee of the contract, is: \$
- b. There is no fee for this CLIN.
- c. The total contract amount is: \$

**G-25. ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR OPTION IX, CLIN 0026 (RELOCATE):**

**Option IX**

CLIN 0026:

- a. Amount Required for Full Funding: \$
- b. Estimated Cost, Exclusive of Fee: \$
- c. Base Fee: \$
- d. Estimated Cost Plus Base Fee: \$

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e. Maximum Award Fee:	\$
f. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$
g. Prior Amount Funded:	\$
h. Cumulative Amount Funded:	\$
i. Net Required for Full Funding:	\$

G-26. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option X, CLIN 0027:Option X

CLIN 0027:

a. The estimated cost, exclusive of fee of the contract, is:	\$
b. There is no fee for this CLIN.	
c. The total contract amount is:	\$

G-27. ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR OPTION XI, CLIN 0028 (RELOCATE):Option XI

CLIN 0028:

a. Amount Required for Full Funding:	\$
b. Estimated Cost, Exclusive of Fee:	\$
c. Base Fee:	\$
d. Estimated Cost Plus Base Fee:	\$
e. Maximum Award Fee:	\$
f. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$
g. Prior Amount Funded:	\$
h. Cumulative Amount Funded:	\$
i. Net Required for Full Funding:	\$

G-28. ESTIMATED COST AND TOTAL CONTRACT AMOUNT FOR Option XII, CLIN 0029:Option XII

CLIN 0029:

a. The estimated cost, exclusive of fee of the contract, is:	\$
b. There is no fee for this CLIN.	
c. The total contract amount is:	\$

G-29. ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR OPTION XIII, CLIN 0030 (RELOCATE):Option XIII

CLIN 0030:

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a. Amount Required for Full Funding:	\$
b. Estimated Cost, Exclusive of Fee:	\$
c. Base Fee:	\$
d. Estimated Cost Plus Base Fee:	\$
e. Maximum Award Fee:	\$
f. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$
g. Prior Amount Funded:	\$
h. Cumulative Amount Funded:	\$
i. Net Required for Full Funding:	\$

**G-30. ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR OPTION XIV, CLIN 0031:**

**Option XIV -- UNFUNDED Surge CLIN 0031:**

CLIN 0031:

a. Amount Required for Full Funding:	\$
b. Estimated Cost, Exclusive of Fee:	\$
c. Base Fee:	\$
d. Estimated Cost Plus Base Fee:	\$
e. Maximum Award Fee:	\$
f. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$
g. Prior Amount Funded:	\$
h. Cumulative Amount Funded:	\$
i. Net Required for Full Funding:	\$

**G-31. ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR OPTION XV, CLIN 0032:**

**Option XV-- UNFUNDED Surge CLIN 0032:**

CLIN 0032:

a. Amount Required for Full Funding:	\$
b. Estimated Cost, Exclusive of Fee:	\$
c. Base Fee:	\$
d. Estimated Cost Plus Base Fee:	\$
e. Maximum Award Fee:	\$
f. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$
g. Prior Amount Funded:	\$
h. Cumulative Amount Funded:	\$
i. Net Required for Full Funding:	\$

**G-32. ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR OPTION XVI CLIN 0033:**

**Option XVI-- UNFUNDED Surge CLIN 0033:**

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**CLIN 0033:**

a. Amount Required for Full Funding:	\$
b. Estimated Cost, Exclusive of Fee:	\$
c. Base Fee:	\$
d. Estimated Cost Plus Base Fee:	\$
e. Maximum Award Fee:	\$
f. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$
g. Prior Amount Funded:	\$
h. Cumulative Amount Funded:	\$
i. Net Required for Full Funding:	\$

**G-33 ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR OPTION XVII, CLIN 0034:**

**Option XVII – UNFUNDED Surge CLIN 0034:**

**CLIN 0034:**

a. Amount Required for Full Funding:	\$
b. Estimated Cost, Exclusive of Fee:	\$
c. Base Fee:	\$
d. Estimated Cost Plus Base Fee:	\$
e. Maximum Award Fee:	\$
f. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$
g. Prior Amount Funded:	\$
h. Cumulative Amount Funded:	\$
i. Net Required for Full Funding:	\$

**G-34. ESTIMATED COST, BASE FEE, MAXIMUM AWARD FEE, AND TOTAL CONTRACT AMOUNT FOR OPTION XVIII, CLIN 0035:**

**Option XVIII – UNFUNDED Surge CLIN 0035:**

**CLIN 0035:**

a. Amount Required for Full Funding:	\$
b. Estimated Cost, Exclusive of Fee:	\$
c. Base Fee:	\$
d. Estimated Cost Plus Base Fee:	\$
e. Maximum Award Fee:	\$
f. Total Estimated Cost, Base Fee, and Maximum Award Fee:	\$
g. Prior Amount Funded:	\$
h. Cumulative Amount Funded:	\$
i. Net Required for Full Funding:	\$

**G-35. PAYMENTS BY ELECTRONIC FUND TRANSFER (EFT) PROCEDURES:** Payments shall be made by EFT procedures in accordance with FAR 52.232-33, Mandatory Information for Electronic Funds Transfer

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Payments. The Contractor shall designate a financial institution for receipt of electronic funds transfer payments and shall submit this designation to the government payment office no later than 14 days before an invoice or contract financing request is submitted.

G-36. TAXPAYER IDENTIFICATION NUMBER (TIN) FOR ALL CERTIFIED PAYMENTS: In accordance with Department of Defense Financial Management Regulation, Volume 10, Interim Change Number Two, a TIN shall be placed on all payment vouchers submitted to the disbursing office.

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SECTION H Special Contract Requirements

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PUBLIC RELEASE OF INFORMATION:

a. In accordance with DFARS 252.204-7000, Disclosure of Information, the U.S. Army Space and Missile Defense Command Public Affairs Officer (SMDC-PA) is responsible for processing clearance of contractor-originated material for public release. This includes forwarding the material to appropriate Department of the Army agencies for actual clearance.

b. All material to be cleared shall be sent to:

U.S. Army Space and Missile Defense Command  
ATTN: SMDC-PA  
P. O. Box 1500  
Huntsville, AL 35807-3801

TECHNICAL COGNIZANCE AND TECHNICAL DIRECTION:

a. The U.S. Army Space and Missile Defense Command is the cognizant Government technical organization for this contract and will provide technical direction as defined herein. Technical direction shall be exercised by the following Project Engineer:

Name	Office symbol	Phone Number
[REDACTED]	SMDC-[REDACTED]	[REDACTED]

b. Technical direction, as defined in this clause is the process by which the progress of the contractor's technical efforts are reviewed and evaluated and guidance for the continuation of the effort is provided by the Government. It also includes technical discussions and, to the extent required and specified elsewhere in this contract, defining interfaces between contractors; approving test plans; approving preliminary and critical design reviews; participating in meetings; providing technical and management information; and responding to request for research and development planning data on all matters pertaining to this contract. The contractor agrees to accept technical direction only in the form and procedure set forth herein below.

c. Except for routine discussions having no impact on contractor performance, any and all technical direction described in paragraph b. above shall only be authorized and binding on the contractor when issued in writing and signed by a Government official designated in a. above. The Technical Direction shall not effect or result in a change within the meaning of the "CHANGES" clause, or any other change in the Scope of Work, price, schedule, or the level of effort required by the contract. Such changes must be executed by the Contracting Officer as a Modification-Change Order, or as a Modification-Supplemental Agreement, as appropriate. It is emphasized that such changes are outside the authority of the Government officials designated in a. above who are not authorized to issue any directions which authorize the contractor to exceed or perform less than the contract requirements. Notwithstanding any provision to the contrary in any Technical Directive, the estimated cost of this contract, and, if this









<b>CONTRACT DATA REQUIREMENTS LIST</b> (1 Data Item)				Form Approved OMB No. 0704-0188			
Public reporting burden for this collection of information is estimated to average 10 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing the reviewing the collection of information. Send comments regarding this burden, estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Office for the Contract/PR NO listed Block E.							
A. CONTRACT LINE ITEM NO. 0005		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____			
D. SYSTEM/ITEM MDDC			E. CONTRACT/PR NO.		F. CONTRACTOR		
1. DATA ITEM NO *005		2. TITLE OF DATA ITEM PROGRESS/STATUS REPORT			3. SUBTITLE		
4. AUTHORITY (DATA ACQUISITION DOC NO. DI-MGMT-80555		5. CONTRACT REFERENCE SOW PARA. 4.1/5.1			6. REQUIRING OFFICE SMDC-TC-SS		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED D	10. FREQ ASREQ	12. DATE OF FIRST SUB SEE BLK 16	14. DISTRIBUTION			
8. APP CODE N/A		11. AOD	13. DATE OF SUBSEQ SUB SEE BLK 16	a. ADDRESSEE		b. COPIES Draft Final Reg Repr	
16. REMARKS SOW 4.1 CONTRACT PROGRESS/STATUS REPORTS. SOW 5.1 TASK ORDER PROGRESS/STATUS REPORTS. CONTRACT PROGRESS/STATUS REPORTS FOR MISSILE DEFENSE DATA CENTER PROGRAM MANAGER. TASK ORDER PROGRESS/STATUS REPORTS FOR DESIGNATED MAJOR ACQUISITION PROGRAM MANAGERS OR TECHNOLOGY PROGRAM MANAGERS. TIME SCHEDULES, ADDRESSEES, AND FORMAT TO BE SPECIFIED IN TASK ORDER.				-TC-SS		1	2
				TASK MONITORS		1	1
15. TOTAL ---->				2	3	0	
17. PRICE GROUP		18. ESTIMATED TOTAL PRICE		Page 5 of 16 Pages			
H. DATE 11/24/98		J. DATE 11/24/98					











CONTRACT DATA REQUIREMENTS LIST (1 Data Item)				Form Approved OMB No. 0704-0188				
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing the reviewing the collection of information. Send comments regarding this burden, estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Office for the Contract/PR NO listed Block E.								
A. CONTRACT LINE ITEM NO. 0005		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____				
D. SYSTEM/ITEM MDDC			E. CONTRACT/PR NO.		F. CONTRACTOR			
1. DATA ITEM NO *00B		2. TITLE OF DATA ITEM SOFTWARE DEVELOPMENT PLAN (SDP)			3. SUBTITLE			
4. AUTHORITY (DATA ACQUISITION DOC NO. DI-IPSC-81437			5. CONTRACT REFERENCE SOW PARA. 4.8		6. REQUIRING OFFICE SMDC-TC-SS			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED D	10. FREQ ASREQ	12. DATE OF FIRST SUB SEE BLK 16	14. DISTRIBUTION				
8. APP CODE A		11. ACD	13. DATE OF SUBSEQ SUB SEE BLK 16	a. ADDRESSEE		b. COPIES Draft Final Reg Repr		
16. REMARKS ITEM 12: MILESTONE REVIEW II ITEM 13: EACH MILESTONE REVIEW AFTER MILESTONE II. CONTRACTOR FORMAT ACCEPTABLE. APPROVAL: G30/C30				-TC-SS		1	2	
				TASK MONITORS		1	1	
								15. TOTAL ---->
17. PRICE GROUP		18. ESTIMATED TOTAL PRICE		Page 11 of 16 Pages				
H. DATE 11 Sep 98		I. DATE 11 Sep 98						



<b>CONTRACT DATA REQUIREMENTS LIST</b>						Form Approved OMB No. 0704-0188		
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A. CONTRACT LINE ITEM NO. 0005			B. EXHIBIT A		C. CATEGORY: TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input type="checkbox"/>			
D. SYSTEM/ITEM MDDC				E. CONTRACT/PR NO.		F. CONTRACTOR		
1. DATA ITEM NO *00D		2. TITLE OF DATA ITEM SOFTWARE CENTER OPERATOR MANUAL (SCOM)				3. SUBTITLE		
4. AUTHORITY (DATA ACQUISITION DOC NO. DI-IPSC-81444			5. CONTRACT REFERENCE SOW PARA. 4.9			6. REQUIRING OFFICE SMDC-TC-SS		
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED	10. FREQ ASREQ	12. DATE OF FIRST SUB SEE BLK 16		14. DISTRIBUTION		
8. APP CODE A		D	11. AOD	13. DATE OF SUBSEQ SUB SEE BLK 16		a. ADDRESSEE		b. COPIES
16. REMARKS ITEM 12: MILESTONE REVIEW. ITEM 13: TASK ORDER REVIEW. APPROVAL: G30/C30						-TC-SS	1	2
						TASK MONITORS	1	1
15. TOTAL --->						2	3	0
			H. DATE 11 Sep 98					
17. PRICE GROUP			18. ESTIMATED TOTAL PRICE		I. DATE 11 Sep 98			





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(1 Data Item)

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Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing the reviewing the collection of information. Send comments regarding this burden, estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Office for the Contract/PR NO listed Block E.

A. CONTRACT LINE ITEM NO. 0005	B. EXHIBIT A	C. CATEGORY: TDP _____ TM _____ OTHER _____
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D. SYSTEM/ITEM MDDC	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO *00G	2. TITLE OF DATA ITEM OPERATION SECURITY (OPSEC) PLAN	3. SUBTITLE
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4. AUTHORITY (DATA ACQUISITION DOC NO. DI-MGMT-80934	5. CONTRACT REFERENCE SOW# SW-TC-S-36-97	6. REQUIRING OFFICE SMDC-TC-SS
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQ ASREQ	12. DATE OF FIRST SUB SEE BLK 16	14. DISTRIBUTION
8. APP CODE A	D	11. AOD	13. DATE OF SUBSEQ SUB SEE BLK 16	a. ADDRESSEE

16. REMARKS CONTRACTOR SHALL REVIEW AND UPDATE THE EXISTING OPSEC PLAN TO CONFORM WITH THE REQUIREMENTS SET FORTH IN THE CONTRACT.	b. COPIES	
	Draft	Final
	1	1
		1

CONTRACTOR FORMAT ACCEPTABLE.  
APPROVAL: G15/C15

15. TOTAL ---->	1	2	0
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**STATEMENT OF WORK  
for the  
MISSILE DEFENSE DATA CENTER**

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**FIGURE**

Figure 1 - MDDC Program Phases and Milestones - BASIC 4

**STATEMENT OF WORK  
For the  
MISSILE DEFENSE DATA CENTER**

**1.0 SCOPE**

1.1 **OBJECTIVE.** This Statement of Work (SOW) describes the Contractor's requirement to operate, maintain, and modernize the Missile Defense Data Center (MDDC) information system to serve missile defense acquisition and technology programs' data management needs.

1.2 **BACKGROUND.** The Sensors Directorate of the U.S. Army Space and Missile Defense Command (USASMDC) executes the MDDC Program for the Ballistic Missile Defense Organization (BMDO). The BMDO sponsors the MDDC to serve the data storage, management and dissemination needs of major defense acquisition programs (MDAPs) and technology programs that collect, produce or use data and documents from BMDO demonstrations, experiments, models & simulations, or tests. These MDAPs and technology programs are the users of the MDDC. The BMDO is integrating data centers and users into a Virtual Data Center (VDC) to exchange data and documents through a secure wide area network. The MDDC works with users to determine their data storage, processing and dissemination needs, and also works with BMDO and other data centers to develop and test the VDC to provide capabilities users need to accomplish their mission more effectively and efficiently.

**2.0 APPLICABLE DOCUMENTS**

Applicable documents for this effort are for reference only. They are listed in Appendix A.

**3.0 GENERAL REQUIREMENTS**

The MDDC Program is pursuing the following goals:

- Provide users high quality data products and responsive data management services.
- Eliminate labor- and mail-intensive duplication and distribution of data and documents for each test.
- Promote a seamless electronic environment with users' information systems and participate in their Integrated Product and Process Development (IPPD).
- Modernize the MDDC using an Open System Approach to reduce life-cycle cost and increase effectiveness and efficiency.
- Develop and integrate, with users, BMDO and the other data centers, a VDC to provide accurate, timely and cost effective data management across BMDO.
- Enable MDAPs to shorten weapon system deployment times through more timely data analysis, data distribution, modeling & simulation, and technology validation.
- Increase combat capability by data standardization and information exchange to maximize weapon system interoperability.

3.1 **TASK ORDERS.** All work performed under this contract shall be pursuant to Task Orders issued in accordance with the provisions set forth in contract Section B-35. Task Orders will be issued to activate tasks and provide the specific requirements and deliverable time schedule.

3.2 GOVERNMENT FURNISHED PROPERTY, INFORMATION AND SERVICES (GFP/I/S). The government will furnish MDDC property for operation and maintenance by the Contractor. The government will furnish the MDDC information for administration by the Contractor. The government will also furnish out-plant data communications services to the MDDC Operation Site facility for the contractor to operate and maintain the in-plant cabling and interfaces with the MDDC information systems. The lists of government furnished property and information (GFP/I) are included in the contract as set forth in Part III, Section J. The Contractor's GFP/I accounting system shall provide complete and accurate information for inspections and future acquisitions by the government.

3.3 OVERALL REQUIREMENT. The Contractor shall operate and maintain the MDDC information systems with an availability of not less than 97% during MDDC Business Hours set forth in contract Section H-10. Task Orders may be issued covering the following areas:

- Plan, organize, direct, control, coordinate, and report contract execution, cost and schedule.
- Accept, analyze, catalog, digitize, store, manage, protect, retrieve, copy, and distribute data and documents collected, produced and submitted by users.
- Administer the data, databases and documents in the MDDC.
- Participate on users' Integrated Product Teams (IPTs).
- Assist users in data management planning.
- Advise users on existing data and as to the status of data in the MDDC.
- Use IPTs to develop and test the processes and the database and interface designs to be employed to accept, store and retrieve the user's data in the MDDC.
- Facilitate access, retrieval, reduction, analysis, and visualization of data by users in the MDDC or via the VDC.
- Furnish a current MDDC User Handbook.
- Catalog new data and documents received in the MDDC in not more than ten (10) work days.
- Satisfy users' requests for data and documents that are archived in the MDDC in not more than fifteen (15) calendar days from the user's request for the data or document. For data that has not yet been received by the MDDC, satisfy users' requests in not more than eleven (11) calendar days after receiving the data or document in the MDDC.
- The Quality of data products delivered to users shall correctly meet the user's requirements at least 95% for all requests, and user identified discrepancies shall be corrected in not more than five (5) work days.
- Obtain copies of follow-on data analysis reports from agencies who receive data for these analyses from the MDDC, and notify the user who archived the data.
- Participate on BMDO Data Center Standards Committee (DCSC), Phenomenology Science and Analysis Group (PSAG), and VDC IPTs.
- Collaborate with other scientific and engineering data centers.
- Integrate the MDDC with the VDC and provide VDC capabilities and support.
- Ensure accessibility and availability of data and documents in the MDDC.
- Ensure MDDC interoperability with users.
- Ensure MDDC user satisfaction.

3.4 POTENTIAL IMPROVEMENTS AND UPGRADES. Tasks may encompass investigation, engineering and implementation of approved MDDC process improvements and system upgrades pursuant to Task Orders. These process improvements and system upgrades may include, but are not limited to:

- Web-pages on the USASMDC; Program Executive Office, Air and Missile Defense (PEO AMD); and Joint Program Office, National Missile Defense (JPO NMD) INTRANETS.
- An electronic Data Dictionary System (DDS) that includes a database of the metadata from data and document catalogs.
- A Government/Contractor electronic data interchange system (or Contractor Integrated Technical Information System [CITIS]).
- A Government/Contractor electronic test data requirements planning system.
- A Government/Contractor electronic test data tracking and control system.
- A Government/Contractor electronic test data acceptance system.
- A compact disk (CD) test data exchange.
- Servers to exchange mission data among a user's IPT members via secure networks (complementary to the Joint Engineering Data Management Information and Control System [JEDMICS]).
- Portable and scaleable data reduction, analysis and visualization software tools for distributed processing among users' platforms, the MDDC platforms, and the VDC.
- The Open System Specification of the MDDC System Architecture:
  - + The Data Center Reference Model.
  - + The Data Center Process Flow Diagrams and Specifications.
  - + The Data Center Control Flow Diagrams and Specifications.
  - + The Data Center Information Model.
- The Open Standards for user's data, databases, and interfaces in the MDDC Technical Architecture.

3.5 PHASES AND MILESTONES. The MDDC Program will provide the detailed requirements and deliverable schedules for specific time periods called phases. These phases are designed to satisfy validated requirements and manage program risk. Each phase will end with a Milestone Review for the MDDC Program as shown in Figure 1. The MDDC Program will make decisions on whether to continue or redirect the Contractor's activities based on the current situation.

3.5.1 Initial Transition Phase. Pursuant to a MDDC Program Task Order the Contractor shall work and train with Teledyne Brown Engineering (TBE), the incumbent, on the operation and maintenance of the MDDC information systems; the administration of data, databases and documents in the MDDC; and the approved processes for supporting users. The Contractor shall be responsible for physical and functional configuration audits to verify the baseline configuration of the MDDC information systems. The Contractor shall be responsible for a physical inventory of the GFP/I with TBE and for the transfer of accountability. The Contractor shall be responsible to learn the approved processes and to demonstrate readiness to operate and maintain the systems; administer the data, databases and documents; and support

users. The configuration of the MDDC systems shall not be changed during the transition phase. User Task Orders will not be issued during this phase.

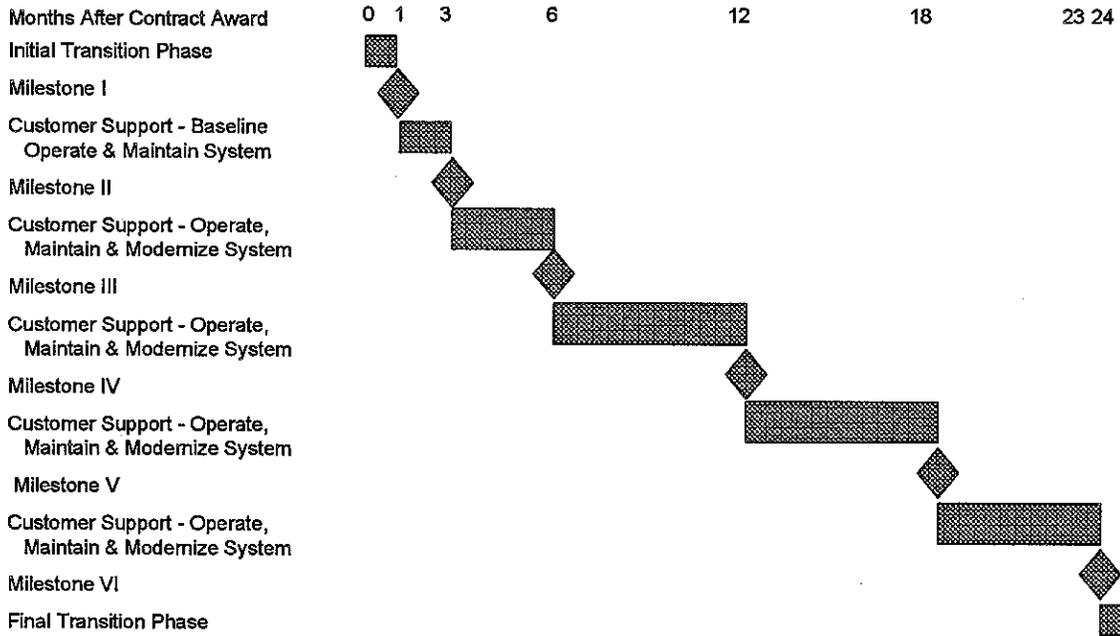


Figure 1 - MDDC Program Phases and Milestones - BASIC Contract

3.5.2 Baseline Phase. Pursuant to the MDDC Program Task Order the Contractor shall measure performance metrics to establish a baseline. The Contractor shall be responsible to operate and maintain the MDDC information systems; administer the data, databases and documents in the MDDC; and support users using approved processes. The configuration of the MDDC systems shall not be changed during the baseline phase. The Contractor shall be responsible to implement an internal management control system and a GFP/I accounting system. The Contractor shall be responsible to implement Quality Assurance practices. The Contractor shall be responsible to develop process improvements, engineer system upgrade plans, and perform economic analyses and trade studies. User Task Orders may be issued during the baseline phase.

3.5.3 User Support - Operate, Maintain & Modernize System Phases. Pursuant to MDDC Program Task Orders the Contractor shall measure performance metrics. The Contractor shall be responsible to operate and maintain the MDDC information systems; administer the data, databases and documents in the MDDC; and support users. An Open System Approach shall be used to establish the MDDC System Architecture and Technical Architecture. The Contractor shall be responsible for Configuration Management of the MDDC system and Quality Assurance practices. The Contractor shall be responsible to develop process improvements, engineer system upgrade plans, and perform economic analyses and trade studies. The Contractor shall implement approved process improvements and system upgrade plans to improve MDDC system capabilities and increase user satisfaction. User Task Orders will be issued.

3.5.4 Final Transition Phase. Pursuant to a MDDC Program Task Order the Contractor shall work with and train the follow-on contractor on the operation and maintenance of the MDDC information systems; the administration of data, databases and documents in the MDDC; and the approved processes, System Architecture and Technical Architecture for supporting users. The Contractor shall assist the follow-on contractor with physical and functional configuration audits. The Contractor shall perform a physical inventory of the GFP/I with the follow-on contractor and transfer accountability. User Task Orders will be closed out during this phase.

3.6 YEAR 2000 (Y2K) COMPLIANCE. The MDDC information systems shall be able to accurately process date and time data (such as calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, including leap year calculations, when used in accordance with the item documentation provided by the vendors. The MDDC systems shall accurately process date and time data with other Data Center sites, the VDC, and users' information systems connected to them during the century change and in the twenty-first century.

3.6.1 The Contractor shall accomplish and document tests necessary to ensure that each information technology item developed or procured under this contract, to include hardware, software, firmware, and middleware whether acting alone or combined as a system, is Year 2000 compliant as defined in FAR Part 39.

3.6.2 The Contractor shall accomplish and document modifications and tests necessary to ensure that Government Furnished property previously provided, or maintained in the future under this contract, to include hardware, software, firmware, and middleware whether acting alone or combined as a system, is Year 2000 compliant as defined in FAR Part 39.

#### 4.0 MDDC PROGRAM REQUIREMENTS

MDDC Program Task Orders may encompass the following areas:

4.1 CONTRACT MANAGEMENT. This area involves planning, organizing, directing, controlling, coordinating, and reporting contract execution cost, performance and schedule. This entails providing the MDDC Program with sufficient data to monitor the work performed and the equipment and software modified, procured or developed under the contract. This entails maintenance and use of the Contract Work Breakdown Structure (CWBS) and definitions, integrated Program Plan, and Integrated Master Schedule to describe the technical approach, organizational resources, and management controls the Contractor will use to meet the requirements for contract work. Contract Management may include, but is not limited to the following:

- Account for GFP/I and conduct inventories.
- Deliver monthly Progress Reports and Funds Manhour and Expenditure Report (FMER).
- Conduct in-progress performance reviews and Milestone Reviews.

4.2 DATA USER SUPPORT. This area involves the provision of services to receive and satisfy users' requests for data and documents in the MDDC. This encompasses the support services for the MDDC to be the *single point of contact* for *local* users to access and retrieve data and documents in the MDDC and on the VDC. Data user support includes, but will not be limited to the following:

- Support and assist users with on-line data access, retrieval, reduction and analysis in the MDDC or via the VDC.
- Support and assist users with on-line access and retrieval of documents by users in the MDDC or via the VDC.
- Obtain copies of follow-on data analysis reports from agencies who obtain data from the MDDC, and notify the user who archived the data.
- Provide VDC support for users.
- Collaborate with other engineering and technical data centers.

4.3 SCIENTIFIC SUPPORT. This area involves the provision of subject matter expertise to advise and support data users in accessing (locating), retrieving, analyzing and visualizing the data in the MDDC that are potentially pertinent to the user's mission or objective. Scientific support includes, but will not be limited to:

- Advise users on existing data and as to the status of data in the MDDC.
- Advise users as to the potential applicability of data and documents in the MDDC for the their particular mission.
- Support and advise users with data analysis, reduction, and visualization in the MDDC.
- Participate on the BMDO PSAG.

4.4 DATA ADMINISTRATION. This area involves provision of services to plan, organize, coordinate, and protect data the users collect or produce in standardized form for rapid access and retrieval (random access). It encompasses deconflicting and implementing DoD, BMDO and Army Data Administration policies in the MDDC. It encompasses relational and object-oriented database management. This function includes, but will not be limited to the following:

- Formulate the data standards and policies in the MDDC.
- Administer and protect the data and databases in the MDDC with secure handling, processing and distribution.
- Standardize data elements and subelements.
- Develop and maintain the MDDC Information Model.
- Develop, test, and document databases for on-line access and retrieval in the MDDC and on the VDC. Develop and deliver the Database Design Description (DBDD) and Software Product Specification (SPS) pursuant to Task Orders.
- Load users' data into databases.
- Integrate and test MDDC databases with the VDC.
- Develop and test an electronic data and document catalog system in the MDDC.
- Integrate and test the electronic catalog system with the VDC.
- Backup the data, databases and metadata in the MDDC and provide for Continuity of Operations (COOP) with other data centers.
- Participate on the BMDO DCSC.
- Retire data as directed.

4.5 DOCUMENT MANAGEMENT. This area involves planning, organizing, digitizing, and protecting documents that complement or clarify the data in the MDDC. It encompasses

deconflicting and implementing DoD, BMDO and Army Records Management policies in the MDDC. It encompasses electronic document management in the MDDC. Document management includes, but is not limited to the following:

- Formulate the document standards and policies in the MDDC.
- Manage the documents in the MDDC with secure handling, processing and distribution.
- Update the MDDC Users Handbook in accordance with direction in Task Orders.
- Develop and test an electronic MDDC Users Handbook.
- Accept, catalog, digitize, protect, and manage documents produced by users.
- Develop and test an electronic document management system for on-line access and retrieval in the MDDC and on the VDC.
- Backup the electronic documents in the MDDC and provide for COOP with other Data Centers.
- Retire documents as directed.

4.6 SYSTEM ENGINEERING. This area involves provision of the services to integrate and modernize the MDDC information systems to support users' data management requirements. This encompasses user requirements analysis and flowdown, system architectures and implementations, trade studies, and engineering designs for potential process improvements and MDDC system upgrades that improve internal functions; user and VDC interface functions; and client/server or distributed object processing. Using MIL-STD-973 as a guide, the Contractor shall implement a Configuration Management (CM) system. System Engineering includes, but will not be limited to the following:

- Develop and maintain the MDDC System Architecture of Open System Specifications encompassing the MDDC Reference Model, Process Flow Diagrams and Specifications, Control Flow Diagrams and Specifications, and Information Model. Develop and deliver the System/Subsystem Design Description (SSDD) pursuant to Task Orders.
- Develop and maintain the MDDC Technical Architecture of Open System Standards for interfaces with users and the VDC. Develop and deliver the Interface Design Description (IDD) pursuant to Task Orders.
- CM of hardware configuration items (HWCI) in the MDDC.
- Develop and maintain interfaces with missile ranges and sensors that collect data for users.
- Develop and maintain interfaces with programs and contractors that analyze data for users.
- Advise users on MDDC systems capabilities and determine users' requirements for MDDC process improvements and system upgrades.
- Participate on users' IPTs.
- Develop and test potential process improvements in the MDDC.
- Engineer system upgrades in the MDDC for government approval.
- Integrate and test approved system upgrades in the MDDC.
- Participate on VDC IPTs.
- Integrate and test the MDDC systems with the VDC.
- Ensure MDDC interoperability with users' systems.

4.7 INFORMATION TECHNOLOGY PROCUREMENT. This area involves procurement of information technology for the MDDC information systems by the Contractor pursuant to Task Orders and government approved MDDC information system upgrade plans. In order to reduce life-cycle cost, the Contractor shall: (1) first, use or modify Government off the shelf (GOTS) hardware and software; (2) second, procure or modify Commercial off the shelf (COTS) hardware and software; and (3) third, when GOTS or COTS are not adequate or available to accomplish the mission, the Contractor shall develop, build, program and test such hardware and software and integrate it with the MDDC systems and the VDC.

4.8 SOFTWARE ENGINEERING. Using MIL-STD-498 as a guide, the Contractor shall develop a Software Development Plan (SDP) which describes the Contractor's software architecture, data architecture, and software engineering processes, including GOTS/COTS selection and integration processes. The software architecture shall be an open architecture that supports a process of continually evolving a stable baseline to take advantage of new technologies as they mature as well as the introduction of new capabilities. The design, development, integration, test, documentation, and delivery of all software provided under this contract (e.g. software tools, system software, database management system (DBMS) software, mission applications, etc.) shall be in accordance with the SDP. Software Engineering activities include, but will not be limited to the following:

- CM of computer software configuration items (CSCI) in the MDDC.
- Modify or develop, test and document software tools for data storage, access and retrieval and for data reduction, analysis and visualization that are suitable for use on the hardware in the MDDC, or for distributed object processing on users' platforms, the MDDC platforms, or the VDC. Develop and deliver the Software Design Description (SDD) and SPS pursuant to Task Orders.
- Develop, program, test, and document mission applications software for the MDDC and the VDC.
- Integrate and test MDDC software with the VDC.
- Ensure MDDC software interoperability with users' hardware and software.

4.9 SOFTWARE OPERATION AND MAINTENANCE. This area involves the installation, testing, operation, modification, maintenance, programming, and documentation of software in the MDDC information systems by the Contractor. This encompasses software for internal functions; for user and VDC interface functions; and for client/server or distributed object processing on user's platforms, MDDC platforms, and the VDC. Software operation and maintenance includes, but is not limited to the software and interfaces used to accept, analyze, catalog, digitize, store, process, retrieve, copy, distribute, and exchange data or documents in the MDDC. A Software Center Operator Manual (SCOM) and Software Input/Output Manual (SIOM) shall be developed and delivered pursuant to Task Orders.

4.9.1 Vendor Software Service. The Contractor shall procure vendor services or maintenance agreements for software in the MDDC pursuant to Task Orders.

**APPENDIX A  
APPLICABLE DOCUMENTS**

Copies of these documents are in the MDDC Bidders Library located in the USASMDC Technical Library.

1. Missile Defense Data Center (MDDC) Task Order Guide, 6 April 1998, Attachment 2, Section J of the RFP.
2. Department of Defense (DoD) Contract Security Classification Specification, 6 April 1998, Attachment 5, Section J of the RFP.
3. Teledyne Brown Engineering (TBE) *MDDC HOLDINGS AS OF October 07, 1997* (3 sheets)
4. TBE *MDDC User's Handbook*, 26 September 1997
5. TBE *MDDC Network Support Plan*, 26 September 1997
6. TBE *MDDC System Development Plan*, October 1997
7. TBE *MDDC Operations Security (OPSEC) Plan Supplement (U)* October 1997, to Systems Engineering and Technical Assistance Contract OPSEC Plan, dated 26 November 1996
8. TBE *MDDC Data Archive Manual*, October 1997
9. TBE *MDDC Data Delivery Manual*, October 1997
10. TBE MDDC website: <http://www.tbe.com/mddc/>
11. TBE *FY97 CUSTOMER LIST* (2 pages)
12. TBE Building 7 Floor Plan
13. MDDC Performance Management Review Briefing, March 1998
14. Sample MDDC Monthly Activity Report
15. *Midcourse Space Experiment (MSX) Cooperative Targets Data Analysis Center and Missile Defense Data Center (MDDC) Interface Control Document (ICD)*, May 1997
16. *MSX Early Midcourse Data Analysis Center and MDDC ICD*, May 1997
17. *MSX Mission Operations Center and MDDC ICD*, May 1997
18. *MSX UVISI Data Processing Center to MDDC ICD*, May 1997
19. Memorandum of Understanding between MSX Cooperative Targets Data Analysis Center (CTDAC) and The Missile Defense Data Center (MDDC), undated.
20. Strategic Defense Initiative Organization Directive No. 3240, *Management of Experiment Data*, February 1991

21. Fiscal Year (FY) 1998 Program Management Agreement (PMA) Number 3352, between the Ballistic Missile Defense Organization (BMDO) and USASMDC, Tasks 7, 17 and 27 (combined), minus all funding information.
22. DRAFT BMDO Modeling, Simulation, and Networks Directorate Data Center Program Plan (DCPP), October 17, 1997
23. DRAFT BMDO Directive No. 3240, *Management of Scientific and Technical Data/ Information*
24. DRAFT BMDO Directive No. 3240-H, *Management of Scientific and Technical Data/ Information Handbook*
25. BMDO VDC *Prototype Demonstration Briefing*
26. BMDO VDC *Operational Concept Document (OCD)*, DRAFT Version
27. DoD *Joint Technical Architecture (JTA)*, Version 1.0, 22 August 1996, also available from the DoD JTA website at: <http://www-jta.itsi.disa.mil/>

APPENDIX B  
ACRONYMS

BMDO Ballistic Missile Defense Organization  
CALC Continuous Acquisition Lifecycle Support  
CD Compact Disk  
CDRL Contract Data Requirements List  
CFSR Cost Funds Status Report  
CITIS Contractor Integrated Technical Information System  
COOP Continuity of Operations  
COTS Commercial off the Shelf  
CTDAC Cooperative Targets Data Analysis Center  
CWBS Contract Work Breakdown Structure  
DCPP Data Center Program Plan  
DCSC Data Center Standards Committee  
DDS Data Dictionary System  
DoD Department of Defense  
FY Fiscal Year  
GFP/I Government-furnished Property and Information  
GOTS Government off the Shelf  
ICD Interface Control Document  
IPPD Integrated Product and Process Development  
IPT Integrated Product Team  
JEDMICS Joint Engineering Data Management Information and Control System  
  
JPO NMD Joint Program Office, National Missile Defense  
JTA Joint Technical Architecture  
MDAP Major Defense Acquisition Program  
MDDC Missile Defense Data Center  
MSX Midcourse Space Experiment  
OCD Operational Concept Document  
OPSEC Operational Security  
OSD Office of the Secretary of Defense  
PEO AMD Program Executive Officer, Air and Missile Defense  
PMA Program Management Agreement  
PSAG Phenomenology Science Advisory Group  
RFP Request For Proposals  
SOW Statement of Work  
TBE Teledyne Brown Engineering  
USASMDC U.S. Army Space and Missile Defense Command  
UVISI Ultraviolet and Visible  
VDC Virtual Data Center  
Y2K Year 2000