

SOLICITATION/CONTRACT

BIDDER OFFEROR TO COMPLETE BLOCKS 15, 21, 22, & 27.

THIS CONTRACT IS A RATED ORDER UNDER DPAS 110 001 001

TAXING
DD \$1

PAGE 1 OF

15

1. CONTRACT NO. F33600-99-C-0089	2. AWARD/EFFECTIVE DATE OCT 01 1999	3. SOLICITATION NUMBER F33600-99-R-0115	5. SOLICITATION TYPE <input type="checkbox"/> SEALED BIDS (SFB) <input type="checkbox"/> NEGOTIATED (RFP)	8. SOLICITATION ISSUE DATE
7. ISSUED BY DEPARTMENT OF THE AIR FORCE AFSAC/PKT AREA C BLDG 210 1822 VAN PATTON DRIVE WRIGHT-PATTERSON AFB OH 45433-5337 BUYER: T. HUDSON/PKT/[937]257 7298		4. SYMBOL FAR604	6. THIS ACQUISITION IS <input type="checkbox"/> UNRESTRICTED <input type="checkbox"/> SET ASIDE FOR <input type="checkbox"/> SMALL BUSINESS SET ASIDE <input type="checkbox"/> LABOR SURPLUS AREA CONCERNS <input type="checkbox"/> COMBINED SMALL BUSINESS & LABOR SURPLUS AREA CONCERNS <input checked="" type="checkbox"/> OTHER RESTRICTED	

9. SOLICITATION: N/A

10. ITEMS TO BE PURCHASED (BRIEF DESCRIPTION)
 SUPPLIES SERVICES

11. IF OFFER IS ACCEPTED BY THE GOVERNMENT WITHIN _____ CALENDAR DAYS 160 CALENDAR DAYS UNLESS OFFEROR INSERTS A DIFFERENT PERIOD FROM THE DATE SET FORTH IN BLK 9 ABOVE, THE CONTRACTOR AGREES TO HOLD ITS OFFERED PRICES FIRM FOR THE ITEMS SOLICITED HEREIN AND TO ACCEPT ANY RESULTING CONTRACT SUBJECT TO THE TERMS AND CONDITIONS STATED HEREIN.	12. ADMINISTERED BY AFSAC/PKT BLDG 210 AREA C 1822 VAN PATTON DRIVE WRIGHT PATTERSON AFB OH 45433-5337
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13. CONTRACTOR OFFERING SDPHISICATED SYSTEMS INC 2191 CITY GATE DR COLUMBUS OH 43219 3564	14. PAYMENT WILL BE MADE BY DFAS-DY/FPD PO BOX 20428 1050 FORRER BLVD DAYTON OH 45420-0428
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15. PROMPT PAY DISCOUNT
NET 30 CALENDAR DAYS

16. AUTHORITY FOR BEING OPEN TO ALL
 FULL AND OPEN COMPETITION

17. ITEM NO.	18. DESCRIPTION OF SUPPLIES/SERVICES	19. QUANTITY	20. UNIT	21. UNIT PRICE	22. AMOUNT
	SEE SCHEDULE FMS REQUIREMENT				
	FMS REQUIREMENT				
	FMS REQUIREMENT				
					CEILING

23. ACCOUNTING AND APPROPRIATION DATA
SEE SECTION C

24. TOTAL AWARD AMOUNT FOR THIS OFFER
\$1,075,246.00

25. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN IT TO THE ISSUING OFFICE, CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY CONTINUATION SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.

26. AWARD OF CONTRACT: YOUR OFFER (IN SOLICITATION NUMBER SHOWN IN BLOCK 4 INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN) IS ACCEPTED AS TO ITEMS:

27. SIGNATURE OF OFFEROR/CONTRACTOR <i>April G. Davren</i> NAME AND TITLE OF SIGNER (TYPE OR PRINT) Mgr of Contracts	DATE SIGNED 1/6/00	28. UNITED STATES OF AMERICA SIGNATURE OF CONTRACTING OFFICER <i>U. S. Smith</i> NAME OF CONTRACTING OFFICER U. S. SMITH	DATE SIGNED 1/6/00
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PART I - THE SCHEDULE
 SECTION B
 SUPPLIES OR SERVICE AND PRICES/COSTS

ITEM	SUPPLIES/SERVICES	QTY	UNIT	UNIT PRICE	AMOUNT
0001	NON-PERSONAL SERVICES WHEREBY THE CONTRACTOR SHALL PERFORM COMMUNICATION/COMPUTER SERVICES IN ACCORDANCE WITH THE STATEMENT OF WORK (SOW) DATED 25 AUG 99 AND THE LABOR CATEGORIES AND HOURS SET FORTH IN THE TABLE SHOWN BELOW PR NR: AFSACR-00-000400, AMENDMENT 0001 PR LI: 0001 FOREIGN MILITARY SALES ACRN: AA	1	LO	SEE TABLE BELOW	\$1,067,746.00
0002	DATA IN ACCORDANCE WITH THE ATTACHED DD FORM 1423-1 AND IN ACCORDANCE WITH THE STATEMENT OF WORK (SOW) DATED 25 AUG 99 PR NR: AFSACR-00-000400, AMENDMENT 0001 PR LI: 0001 FOREIGN MILITARY SALES ACRN: AA	1	LO	NSP	NSP
0003	THE CONTRACTOR SHALL BE REIMBURSED FOR TRAVEL EXPENSES INCURRED IN PERFORMANCE OF THIS SERVICE, WHERE APPLICABLE. PR NR: AFSACR-00-000400, AMENDMENT 0001 PR LI: 0001 FOREIGN MILITARY SALES ACRN: AA	1	LO	\$ 7,500.00	\$ 7,500.00

NOT-TO-EXCEED

ESTIMATED TOTAL \$1,075,246.00

LABOR CATEGORY	HOURS	RATE
OFFICE ANIMATION SPECIALIST	1,880	\$55.58
SYSTEMS PROGRAMMER	1,880	\$74.20
SITE ADMINISTRATOR	360	\$72.96
SYS A/P	1,880	\$60.84
PROGRAMMER	1,880	\$58.02
SENIOR SYSTEMS SPECIALIST	1,520	\$72.96
PROGRAMMER	1,880	\$63.46
NETWORK OPERATIONS SPECIALIST	0	\$ 0
DA PROGRAMMER	1,680	\$34.64
SYSTEMS PROGRAMMER	1,880	\$63.00
PC PROGRAMMER	1,880	\$40.91
PC PROGRAMMER	1,880	\$34.27
	18,680	

OPTION PERIOD II: 01 OCTOBER 2001 THROUGH 30 SEPTEMBER 2002

0007 1 LO SEE TABLE BELOW \$1,166,702.00
 NON-PERSONAL SERVICES
 WHEREBY THE CONTRACTOR
 SHALL PERFORM COMMUNI-
 CATION/COMPUTER SERVICES
 IN ACCORDANCE WITH THE
 STATEMENT OF WORK (SOW)
 DATED 25 AUG 99 AND THE
 LABOR CATEGORIES AND HOURS
 SET FORTH IN THE TABLE SHOWN
 BELOW
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

0008 1 LO NSP NSP
 DATA IN ACCORDANCE WITH
 THE ATTACHED DD FORM 1423-1
 AND IN ACCORDANCE WITH THE
 STATEMENT OF WORK (SOW)
 DATED 25 AUG 99
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

0009 1 LC \$ 7,500.00 \$ 7,500.00
 THE CONTRACTOR SHALL BE
 REIMBURSED FOR TRAVEL EXPENSES
 INCURRED IN PERFORMANCE OF
 THIS SERVICE, WHERE
 APPLICABLE.
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

NOT TO EXCEED

ESTIMATED TOTAL \$1,174,202.00

<u>LABOR CATEGORY</u>	<u>HOURS</u>	<u>RATE</u>
PROGRAM MANAGEMENT	1,880	\$86.53
OFFICE AUTOMATION SPECIALIST	1,880	\$70.82
SYSTEMS PROGRAMMER	1,880	\$80.35
SITE ADMINISTRATOR	360	\$78.88
SYS A/P	1,880	\$65.80
PROGRAMMER	1,880	\$62.77
SENIOR SYSTEMS SPECIALIST	1,520	\$78.88
PROGRAMMER	1,880	\$68.63
NETWORK OPERATIONS SPECIALIST	0	\$ 0
QA PROGRAMMER	1,880	\$37.46
SYSTEMS PROGRAMMER	1,880	\$68.15
PC PROGRAMMER	1,880	\$44.24
PC PROGRAMMER	1,880	\$37.09
	20,680	

LINE ITEMS 0007 & 0008 ARE FIRM FIXED PRICE
 LINE ITEM 0009 IS COST PLUS G & A WITH NO PROFIT

OPTION PERIOD III: 01 OCTOBER 2002 THROUGH 30 SEPTEMBER 2003

0010 1 LO SEE TABLE BELOW \$1,213,403.00
 NON-PERSONAL SERVICES
 WHEREBY THE CONTRACTOR
 SHALL PERFORM COMMUNI-
 CATION/COMPUTER SERVICES
 IN ACCORDANCE WITH THE

LINE ITEMS 0001 & 0002 ARE FIRM FIXED PRICE
 LINE ITEM 0003 IS COST PLUS G & A WITH NO PROFIT

OPTION PERIOD I: 01 OCTOBER 2000 THROUGH 30 SEPTEMBER 2001

0004 1 LO SEE TABLE BELOW \$1,121,820.00

NON-PERSONAL SERVICES
 WHEREBY THE CONTRACTOR
 SHALL PERFORM COMMUNI-
 CATION/COMPUTER SERVICES
 IN ACCORDANCE WITH THE
 STATEMENT OF WORK (SOW)
 DATED 25 AUG 99 AND THE
 LABOR CATEGORIES AND HOURS
 SET FORTH IN THE TABLE SHOWN
 BELOW
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

0005 1 LO NSP NSP

DATA IN ACCORDANCE WITH
 THE ATTACHED DD FORM 1423-1
 AND IN ACCORDANCE WITH THE
 STATEMENT OF WORK (SOW)
 DATED 25 AUG 99
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

0006 1 LO \$ 7,500.00 \$ 7,500.00

THE CONTRACTOR SHALL BE
 REIMBURSED FOR TRAVEL EXPENSES
 INCURRED IN PERFORMANCE OF
 THIS SERVICE, WHERE
 APPLICABLE.
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

NOT TO EXCEED

ESTIMATED TOTAL \$1,129,320.00

LABOR CATEGORY	HOURS	RATE
PROGRAM MANAGEMENT	1,880	\$63.19
OFFICE AUTOMATION SPECIALIST	1,880	\$68.10
SYSTEMS PROGRAMMER	1,880	\$77.27
SITE ADMINISTRATOR	360	\$75.80
SYS A/P	1,880	\$63.21
PROGRAMMER	1,880	\$60.24
SENIOR SYSTEMS SPECIALIST	1,520	\$75.85
PROGRAMMER	1,880	\$66.01
NETWORK OPERATIONS SPECIALIST	0	\$ 0
QA PROGRAMMER	1,880	\$36.08
SYSTEMS PROGRAMMER	1,880	\$65.52
PC PROGRAMMER	1,880	\$42.54
PC PROGRAMMER	1,880	\$35.66
	<u>20,680</u>	

LINE ITEMS 0004 & 0005 ARE FIRM FIXED PRICE
 LINE ITEM 0006 IS COST PLUS G & A WITH NO PROFIT

STATEMENT OF WORK (SOW)
 DATED 25 AUG 89 AND THE
 LABOR CATEGORIES AND HOURS
 SET FORTH IN THE TABLE SHOWN
 BELOW
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

0011 1 LO NSP NSP
 DATA IN ACCORDANCE WITH
 THE ATTACHED DD FORM 1423-1
 AND IN ACCORDANCE WITH THE
 STATEMENT OF WORK (SOW)
 DATED 25 AUG 89
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

0012 1 LO \$ 7,500.00 \$ 7,500.00
 THE CONTRACTOR SHALL BE
 REIMBURSED FOR TRAVEL EXPENSES
 INCURRED IN PERFORMANCE OF
 THIS SERVICE, WHERE
 APPLICABLE.
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

NOT-TO-EXCEED

ESTIMATED TOTAL \$1,220,903.00

LABOR CATEGORY	HOURS	RATE
PROGRAM MANAGEMENT	1,880	\$89.00
OFFICE AUTOMATION SPECIALIST	1,880	\$73.70
SYSTEMS PROGRAMMER	1,880	\$83.57
SITE ADMINISTRATOR	060	\$82.04
SYS A/P	1,880	\$68.42
PROGRAMMER	1,880	\$65.90
SENIOR SYSTEMS SPECIALIST	1,520	\$82.04
PROGRAMMER	1,880	\$71.36
NETWORK OPERATIONS SPECIALIST	0	\$
DA PROGRAMMER	1,880	\$38.85
SYSTEMS PROGRAMMER	1,880	\$70.86
PC PROGRAMMER	1,880	\$46.02
PC PROGRAMMER	1,880	\$38.57
	20,680	

LINE ITEMS 0010 & 0011 ARE FIRM FIXED PRICE
 LINE ITEM 0012 IS COST PLUS G & A WITH NO PROFIT

OPTION PERIOD IV: 01 OCTOBER 2003 THROUGH 30 SEPTEMBER 2004

0013 1 LO SET TARIFF BELOW \$1,261,949.00
 NON-PERSONAL SERVICES
 WHEREBY THE CONTRACTOR
 SHALL PERFORM COMMUNI-
 CATION/COMPUTER SERVICES
 IN ACCORDANCE WITH THE
 STATEMENT OF WORK (SOW)
 DATED 25 AUG 89 AND THE
 LABOR CATEGORIES AND HOURS
 SET FORTH IN THE TABLE SHOWN
 BELOW
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

0014 1 LO NSP NSP
 DATA IN ACCORDANCE WITH
 THE ATTACHED DD FORM 1423-1
 AND IN ACCORDANCE WITH THE
 STATEMENT OF WORK (SOW)
 DATED 25 AUG 99
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

0015 1 LO \$ 7,500.00 \$ 7,500.00
 THE CONTRACTOR SHALL BE
 REIMBURSED FOR TRAVEL EXPENSES
 INCURRED IN PERFORMANCE OF
 THIS SERVICE, WHERE
 APPLICABLE.
 PR NR: AFSACR-00-000400, AMENDMENT 0001
 PR LI: 0001
 FOREIGN MILITARY SALES
 ACRN: AA

NOT-TO-EXCEED

ESTIMATED TOTAL \$1,269,449.00

<u>LABOR CATEGORY</u>	<u>HOURS</u>	<u>RATE</u>
PROGRAM MANAGEMENT	1,880	\$93.58
OFFICE AUTOMATION SPECIALIST	1,880	\$76.71
SYSTEMS PROGRAMMER	1,880	\$86.92
SITE ADMINISTRATOR	360	\$85.32
SYS A/P	1,880	\$71.17
PROGRAMMER	1,880	\$67.90
SENIOR SYSTEMS SPECIALIST	1,520	\$85.32
PROGRAMMER	1,880	\$74.23
NETWORK OPERATIONS SPECIALIST	0	\$ 0
CA PROGRAMMER	1,880	\$40.53
SYSTEMS PROGRAMMER	1,880	\$78.70
PC PROGRAMMER	1,880	\$47.86
PC PROGRAMMER	1,880	\$40.10
	<u>20,680</u>	

LINE ITEMS 0013 & 0014 ARE FIRM FIXED PRICE
 LINE ITEM 0015 IS COST PLUS G & A WITH NO PROFIT

ESTIMATED INITIAL PRICE \$5,869,120.00

B-1. **CLAUSES AND PROVISIONS**

- (a) Clauses and provisions from the Federal Acquisition Regulation (FAR) and supplements thereto are incorporated in this document by reference and in full text. Those incorporated by reference have the same force and effect as if they were given in full text.
- (b) Clauses and provisions in this document will be numbered in sequence, but will not necessarily appear in consecutive order.
- (c) Sections K, L and M will be physically removed from any resultant award, but will be deemed to be incorporated, by reference, in that award.

PART I - THE SCHEDULE
SECTION C
DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

- C-205. **52.211-7005** **SUBSTITUTIONS FOR MILITARY OR FEDERAL SPECIFICATIONS AND STANDARDS** MAR 1999
(IAW DFARS 211.273-4)
(d) (Offeror insert information for each SPI process)
SPI Process: _____
Facility: _____
Military or Federal Specification or Standard: _____
Affected Contract Line Item Number, Subline Item Number, Component, or Element: _____

C-551 **INCORPORATION OF REFERENCE DOCUMENTS**

All specifications, exhibits, drawings, or other documents which are referred to in this contract, whether or not attached, are incorporated herein by reference.

PART I - THE SCHEDULE
SECTION E
INSPECTION AND ACCEPTANCE

- E-5. **52.248-4** **INSPECTION OF SERVICES--FIXED-PRICE** AUG 1996
(IAW FAR 46.304)
- E-34. **INSPECTION AND ACCEPTANCE**
(IAW FAR 46.401(b) and 46.503)
Inspection and acceptance will be at destination(s) specified in Section "B" hereof.
- E-35. **DD FORM 1423 DATA INSPECTION AND ACCEPTANCE**
(IAW FAR 46.401(b) and 46.503)
The Inspection and Acceptance for Data Items are as shown on DD Form 1423 attached hereto.
- E-41. **INSPECTION AND ACCEPTANCE**
(IAW FAR 46.401(b), and 46.503)
Inspection and Acceptance of the (Services/Supplies) will be performed at 5490 Pearson Drive, Wright-Patterson AFB OH 45433 by the Contracting Officer or his designated representative.

PART I - THE SCHEDULE
SECTION F
DELIVERIES OR PERFORMANCE

- F-12. **PERIOD OF PERFORMANCE**
(IAW FAR 11.401(a))
Performance under this contract shall be from 01 Oct 1999 thru 30 Sep 2000.
- F-13. **PLACE OF PERFORMANCE**
(IAW FAR 11.401(a))
Services under this contract are required to be performed at the following location(s): AFSAC/IT.
- F-20. **52.242-15** **STOP-WORK ORDER** AUG 1989
(IAW FAR 42.1305(b)(1))

PART I - THE SCHEDULE
SECTION G
CONTRACT ADMINISTRATION DATA

G-1. **ACCOUNTING AND APPROPRIATION DATA**

CONTRACTOR: INVOICES SHOULD BE PREPARED IN ACCORDANCE WITH FAR PART 32 PAYMENTS CLAUSES. INVOICES SHOULD CITE THE CONTRACT NUMBER AND LIST APPLICABLE CONTRACT LINE ITEM NUMBERS AND ASSOCIATED CHARGES.

SEND INVOICES TO THE ADDRESS LISTED BELOW:

AFSAG/IT
 6490 PEARSON RD
 WRIGHT PATTERSON AFB OH 45433-5337

ACRN AA: 9711X8242.AL62 4A0 4YM1 QADM00 1P126P 58298 000000 503000
 \$1,075,246.00

**PART I - THE SCHEDULE
 SECTION H
 SPECIAL CONTRACT REQUIREMENTS**

H-91. **WAGE DETERMINATION**
 (IAW FAR 22.1012-1)
 Service Contract Act Wage Determination Nr 94-2419, dated 27 May 1999, is attached hereto and made a part hereof.

H-276. **INFORMATION TECHNOLOGY**
 All information technology items must be Year 2000 compliant, or non-compliant items must be upgraded to be Year 2000 compliant by 31 Dec 99. Year 2000 compliant means information technology that accurately processes date/time data (including, but not limited to calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and Leap Year calculations. Furthermore, Year 2000 compliant information technology shall accurately process date/time data if the other information technology properly exchanges date/time data with it.

**PART II - CONTRACT CLAUSES
 SECTION I
 CONTRACT CLAUSES**

FAR 52.252-2 **CLAUSES INCORPORATED BY REFERENCE** FEB 1998
 (IAW FAR 52.107(b))
 The full text of a clause may be accessed electronically at this/these address(es):
 Regulations URLs: (Click on the appropriate regulation.)
<http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/fardfars/far/far1toc.htm>
<http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/fardfars/dfars/dfar1toc.htm>
http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/af_afmc/affars/affar1toc.htm
http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/af_afmc/afmcfars/afmc1toc.htm

NOTE: After selecting the appropriate regulation above, at the "Table of Contents" page, conduct a search for the desired regulation reference using your browser's FIND function. When located, click on the **regulation reference** (hyperlink).

NO.	FAR PARA	CLAUSE TITLE	DATE
I-11.	52.202-1	DEFINITIONS (IAW FAR 2.201)	OCT 1995
I-19.	52.203-3	GRATUITIES (IAW FAR 3.202)	APR 1984
I-20.	52.203-5	COVENANT AGAINST CONTINGENT FEES (IAW FAR 3.404)	APR 1984
I-22.	52.203-7	ANTI-KICKBACK PROCEDURES (IAW FAR 3.502 (3))	JUL 1995
I-23.	52.203-8	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (IAW FAR 3.104-9(a))	JAN 1997
I-25.	52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (IAW FAR 3.104-9(b))	JAN 1997
I-25C.	52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (IAW FAR 3.808(b))	JUN 1987
I-27.	52.204-2	SECURITY REQUIREMENTS (IAW FAR 4.404(a))	AUG 1996
I-39.	52.204-4	PRINTING/COPYING DOUBLE-SIDED ON RECYCLED PAPER (IAW FAR 4.304)	JUN 1996
I-102.	52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (IAW FAR 1.604(b))	SEP 1990

I-128.	52.215-2	AUDIT AND RECORDS--NEGOTIATION (IAW FAR 15.209(b)(1))	JUN 1999
I-129G.	52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT (IAW FAR 15.209(h))	OCT 1997
I-133C.	52.215-10	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA (IAW FAR 15.408(b))	OCT 1997
I-139C.	52.215-15	PENSION ADJUSTMENTS AND ASSET REVERSIONS (IAW FAR 15.408(g))	DEC 1998
I-146C.	52.215-18	REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS (IAW FAR 15.408(j))	OCT 1997
I-147J.	52.215-18	NOTIFICATION OF OWNERSHIP CHANGES (IAW FAR 15.408(k))	OCT 1997
I-147K.	52.215-21	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA--MODIFICATIONS (IAW FAR 15.408(m))	OCT 1997
I-194.	52.217-8	OPTION TO EXTEND SERVICES (IAW FAR 17.208(f))	NOV 1999
I-195.	52.217-9	OPTION TO EXTEND THE TERM OF THE CONTRACT (IAW FAR 17.208(g))	NOV 1999

For the purposes of this clause the blank(s) is/are completed as follows:

(a) within 30 days;
 at least 90 days

(c) shall not exceed 96 months.

I-214.	52.218-8	UTILIZATION OF SMALL BUSINESS CONCERNS (IAW FAR 19.708(a))	OCT 1999
I-245.	52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (IAW FAR 22.103-5(a))	FEB 1997
I-247.	52.222-3	CONVICT LABOR (IAW FAR 22.202)	AUG 1996
I-263C.	52.222-21	PROHIBITION OF SEGREGATED FACILITIES (IAW FAR 22.810(a)(1))	FEB 1999
I-261.	52.222-26	EQUAL OPPORTUNITY (IAW FAR 22.810(e))	FEB 1999
I-274.	52.222-35	AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA (IAW FAR 22.1308(a)(1), and DFARS 22.1308(a)(1))	APR 1998
I-276.	52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES (IAW FAR 22.1408(a))	JUN 1998
I-278.	52.222-37	EMPLOYMENT REPORTS ON DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA (IAW FAR 22.1308(b))	JAN 1999
I-283.	52.222-41	SERVICE CONTRACT ACT OF 1965, AS AMENDED (IAW FAR 22.1006(a))	MAY 1989
I-284.	52.222-42	STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES (IAW FAR 22.1006(b))	MAY 1989

For the purposes of this clause the blank(s) is/are completed as follows:
 In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5342.

THIS STATEMENT IS FOR INFORMATION ONLY; IT IS NOT A WAGE DETERMINATION

Employed Class	Monetary wage - Fringe Benefits
PC PROGRAMMER	\$16.60
SITE ADMINISTRATOR	\$19.89
NETWORK OPERATIONS SPECIALIST	\$20.90
OFFICE AUTOMATION SPECIALIST	\$20.90
OFFICE AUTOMATION PROGRAMMER	\$20.80
SUN/UNIX SYSTEM ADMINISTRATION SPECIALIST	\$20.90
SYSTEMS ENGINEER	\$23.00

		RISK/RELIABILITY TECHNICIAN	\$20.90	
		FUNCTIONAL LOGISTICS ANALYST	\$20.90	
		QUALITY ASSURANCE TECHNICIAN	\$20.90	
		TECHNICAL SPECIALIST/HARDWARE	\$20.90	
		TECHNICAL SPECIALIST/SOFTWARE	\$20.90	
		TECHNICAL WRITER	\$20.90	
		INSTRUCTOR	\$20.90	
		SECURITY MANAGER	\$20.90	
		OPERATIONS COORDINATOR	\$17.45	
		NETWORK HELP DESK MANAGER	\$17.45	
		DATA TECHNICIAN	\$11.09	
		LEAD COMPUTER OPERATOR	\$14.41	
		COMPUTER OPERATOR	\$11.79	
		XEROX OPERATOR	\$10.14	
		SENIOR SYSTEM PROGRAMMER	\$20.90	
		TELECOMMUNICATIONS SYSTEM PROGRAMMER	\$20.90	
		TELEPROCESSING MONITOR	\$20.90	
		SPECIALIST PROGRAMMER	\$17.45	
I-285.	52.222-49	FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT ACT--PRICE ADJUSTMENT (MULTIPLE YEAR AND OPTION CONTRACTS) (IAW FAR 22.1006(c)(1))		MAY 1989
I-286.	52.222-44	FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT ACT--PRICE ADJUSTMENT (IAW FAR 22.1006(c)(2))		MAY 1989
I-292.	52.223-2	CLEAN AIR AND WATER (IAW FAR 23.105(b))		APR 1984
I-294.	52.223-5	POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION (IAW FAR 23.1005)		APR 1996
I-295.	52.223-6	DRUG-FREE WORKPLACE (IAW FAR 23.505)		JAN 1997
I-297E.	52.223-14	TOXIC CHEMICAL RELEASE REPORTING (IAW FAR 23.907(b))		OCT 1996
I-312.	52.225-11	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (IAW FAR 25.702)		AUG 1988
I-314D.	52.226-1	UTILIZATION OF INDIAN ORGANIZATIONS AND INDIAN- OWNED ECONOMIC ENTERPRISES (IAW FAR 26.104(a))		MAY 1999
I-315.	52.227-1	AUTHORIZATION AND CONSENT (IAW FAR 27.201-2(a))		JUL 1985
I-317.	52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENTS (IAW FAR 27.202 2)		AUG 1996
I-326.	52.227-10	FILING OF PATENT APPLICATIONS--CLASSIFIED SUBJECT MATTER (IAW FAR 27.207-2)		APR 1984
I-337.	52.228-5	INSURANCE--WORK ON A GOVERNMENT INSTALLATION (IAW FAR 28.310)		JAN 1997
I-353.	52.228-4	FEDERAL, STATE, AND LOCAL TAXES (NONCOMPETITIVE CONTRACT) (IAW FAR 29.401-4)		JAN 1991
I-354.	52.229-5	TAXES--CONTRACTS PERFORMED IN U.S. POSSESSIONS OR PUERTO RICO (IAW FAR 29.401-5)		APR 1984
I-368.	52.230-2	COST ACCOUNTING STANDARDS (IAW FAR 30.201-4(a)(1))		APR 1998
I-372.	52.230-6	ADMINISTRATION OF COST ACCOUNTING STANDARDS (IAW FAR 30.201-4(d)(1))		NOV 1999
I-389.	52.232-1	PAYMENTS (IAW FAR 32.111(a)(1))		APR 1984
I-391.	52.232-8	DISCOUNTS FOR PROMPT PAYMENT (IAW FAR 32.111(c)(1))		MAY 1997
I-394.	52.232-11	EXTRAS (IAW FAR 32.111(d)(2))		APR 1984
I-403.	52.232-17	INTEREST (IAW FAR 32.617(a), and 32.617(b))		JUN 1996
I-409.	52.232-23	ASSIGNMENT OF CLAIMS (IAW FAR 32.806(a)(1))		JAN 1986

I-412.	52.232-25	PROMPT PAYMENT (IAW FAR 32.908(c))	JUN 1997
For the purposes of this clause the blank(s) is/are completed as follows:			
	(a)(5)(i)	<u>7th</u>	
	(b)(i)	<u>30th</u>	
I-416F.	52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER-- CENTRAL CONTRACTOR REGISTRATION (IAW FAR 32.1110(b)(1))	MAY 1999
I-417.	52.233-1	DISPUTES (IAW FAR 33.215)	DEC 1998
I-418.	52.233-3	PROTEST AFTER AWARD (IAW FAR 33.106(b))	AUG 1998
I-478.	52.237-2	PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION (IAW FAR 37.110(b))	APR 1984
I-541.	52.242-13	BANKRUPTCY (IAW FAR 42.803)	JUL 1996
I-546.	52.243-1	CHANGES--FIXED-PRICE (IAW FAR 49.205(a)(1))	AUG 1987
I-547.	52.243-1	CHANGES--FIXED PRICE -- ALTERNATE I (IAW FAR 49.205(a)(2))	APR 1984
I-630.	52.249-25	LIMITATION OF LIABILITY--SERVICES (IAW FAR 46.805)	FEB 1997
I-671.	52.248-1	VALUE ENGINEERING (IAW FAR 48.201(b) and (f))	NOV 1999
I-690.	52.249-4	TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (SERVICES) (SHORT FORM) (IAW FAR 49.502(c))	APR 1984
I-699.	52.249-8	DEFAULT (FIXED-PRICE SUPPLY AND SERVICE) (IAW FAR 49.504(a)(1))	APR 1984
I-733.	52.252-6	AUTHORIZED DEVIATIONS IN CLAUSES (IAW FAR 52.107(f))	APR 1984
For the purposes of this clause the blank(s) is/are completed as follows:			
	(b)	<u>Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2)</u>	
I-750.	52.253-1	COMPUTER GENERATED FORMS (IAW FAR 53.111)	JAN 1991
IA-22.	252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE-CONTRACT-RELATED FELONIES (IAW DFARS 203.570-5)	MAR 1999
IA-33.	252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT (IAW DFARS 204.404-70(L))	APR 1992
IA-34.	252.204-7004	REQUIRED CENTRAL CONTRACTOR REGISTRATION (IAW DFARS 204.7304)	MAR 1998
IA-35C.	252.204-7005	(Not applicable to awards with foreign vendors and foreign performance) ORAL ATTESTATION OF SECURITY RESPONSIBILITIES (IAW DFARS 204.404-70(C))	AUG 1999
IA-40.	252.205-7000	PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS (IAW DFARS 205.470-2)	DEC 1991
IA-152.	252.215-7000	PRICING ADJUSTMENTS (IAW DFARS 215.408(1))	DEC 1991
IA-157.	252.215-7002	COST ESTIMATING SYSTEM REQUIREMENTS (IAW DFARS 215.408(2))	OCT 1998
IA-280.	252.223-7004	DRUG-FREE WORK FORCE (IAW DFARS 223.570-4(a))	SEP 1998
IA-282.	252.223-7005	PROHIBITION ON STORAGE AND DISPOSAL OF TOXIC AND HAZARDOUS MATERIALS (IAW DFARS 223.7103)	APR 1993
IA-293.	252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES (IAW DFARS 225.7002-3(a))	MAY 1999
IA-312.	252.225-7025	RESTRICTION ON ACQUISITION OF FORGINGS (IAW DFARS 225.7102-4(a))	JUN 1997
IA-332.	252.227-7013	RIGHTS IN TECHNICAL DATA -NONCOMMERCIAL ITEMS (IAW DFARS 227.7102-3(b), and 227.7103-6(a))	NOV 1995
(c)	(2)	The Contractor asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data should be restricted:	

Technical Data to be Furnished With Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of person Asserting Restrictions****
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

* If the assertion is applicable to items, components, or processes developed at private expense, identify both the data and each such item, component, or process.

** Generally, the development of an item, component, or process at private expense, either exclusively or partially, is the only basis for asserting restrictions on the Government's rights to use, release, or disclose technical data pertaining to such items, components, or processes. Indicate whether development was exclusively or partially at private expense. If development was not at private expense, enter the specific reason for asserting that the Government's rights should be restricted.

*** Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited or government purpose rights under this or a prior contract, or specifically negotiated licenses)

**** Corporation, individual, or other person, as appropriate.

Date _____
 Printed Name and Title _____
 Signature _____

(End of identification and assertion)

- (f) (2) Government purpose rights markings
 Data delivered or otherwise furnished to the Government purpose rights shall be marked as follows:

GOVERNMENT PURPOSE RIGHTS

Contract No. _____
 Contractor Name _____
 Contractor Address _____

 Expiration Date _____

The Government's rights to use, modify, reproduce, release, perform, display, or disclose these technical data are restricted by paragraph (b)(2) of the Rights in Technical Data-Noncommercial Items clause contained in the above identified contract. No restrictions apply after the expiration date shown above. Any reproduction of technical data or portions thereof marked with this legend must also reproduce the markings.
 (End of Legend)

- (3) Limited rights markings.
 Data delivered or otherwise furnished to the Government with limited rights shall be marked with the following legend:

LIMITED RIGHTS

Contract No. _____
 Contractor Name _____
 Contractor Address _____

The Government's rights to use, modify, reproduce, release, perform, display, or disclose these technical data are restricted by paragraph (b)(3) of the Rights in Technical Data--Noncommercial Items clause contained in the above identified contract. Any reproduction of technical data or portions thereof marked with this legend must also reproduce the markings. Any person, other than the Government, who has been provided access to such data must promptly notify the above named Contractor.
 (End of legend)

(4) Special license rights markings.

(i) Data in which the Government's rights stem from a specifically negotiated license shall be marked with the following legend:

SPECIAL LICENSE RIGHTS

The Government's rights to use, modify, reproduce, release, perform, display, or disclose these data are restricted by Contract No. _____ (Insert contract number) License No. _____ (Insert license identifier) Any reproduction of technical data or portions thereof marked with this legend must also reproduce the markings.
 (End of legend)

IA-336.	252.227-7014	RIGHTS IN NONCOMMERCIAL COMPUTER SOFTWARE AND NONCOMMERCIAL COMPUTER SOFTWARE DOCUMENTATION (IAW DFARS 227.7203-6(a)(1))	JUN 1995
IA-337.	252.227-7015	TECHNICAL DATA--COMMERCIAL ITEMS (IAW DFARS 227.7102-3)	NOV 1995
IA-389.	252.231-7000	SUPPLEMENTAL COST PRINCIPLES (IAW DFARS 231.300-70)	DEC 1991
IA-648.	252.243-7001	PRICING OF CONTRACT MODIFICATIONS (IAW DFARS 243.205-71)	DEC 1991
IA-649.	252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT (IAW DFARS 243.205-72)	MAR 1998
IR-305.	5352.204-9000	NOTIFICATION OF GOVERNMENT SECURITY ACTIVITY (IAW AFFARS 5304.404-30)	MAY 1996
IR-306.	5352.204-9001	VISITOR GROUP SECURITY AGREEMENTS (IAW AFFARS 5304.404-30)	MAY 1996
IR-320.	5352.223-8000	ELIMINATION OF USE OF CLASS I OZONE DEPLETING SUBSTANCES (DDS) (IAW AFFARS 5323.890-7)	MAY 1996

For the purposes of this clause the blank(s) is/are completed as follows:

(d)

Substance	Application/Use	Quantity (lbs)
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NONE

IR-321.	5352.223-9001	HEALTH AND SAFETY ON GOVERNMENT INSTALLATIONS (IAW AFFARS 5323.9002)	JUN 1997
IR-343.	5352.242-8000	CONTRACTOR ACCESS TO AIR FORCE INSTALLATIONS (IAW AFFARS 5342.490-1)	MAY 1990

For the purposes of this clause the blank(s) is/are completed as follows:

(b) AFSAC/IT, BLDG 89, 5490 PEARSON DRIVE, WRIGHT-PATTERSON AFB OH 45433

IR-462	5352.227-8000	EXPORT-CONTROLLED DATA RESTRICTIONS (AFMC) (IAW AFMCFARS 5327.60(1))	JUL 1997
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(a) For the purpose of this clause,

- (1) Foreign person is any person who is not a citizen or national of the U.S. or lawfully admitted to the U.S. for permanent residence under the Immigration and Nationality Act, and includes foreign corporations, international organizations, and foreign governments;
- (2) Foreign representative is anyone, regardless of nationality or citizenship, acting as an agent, representative, official, or employee of a foreign government, a foreign-owned or influenced firm, corporation or person;
- (3) Foreign sources are those sources (vendors, subcontractors, and suppliers) owned and controlled by a foreign person; and

(b) The Contractor shall place a clause in subcontracts containing appropriate export control restrictions, set forth in this clause.

(c) Nothing in this clause waives any requirement imposed by any other U.S. Government agency with respect to employment of foreign nationals or export controlled data and information.

(d) Equipment and technical data generated or delivered under this contract are controlled by the International Traffic in Arms Regulation (ITAR), 22 CFR Sections 121 through 128. An export license is required before assigning any foreign source to perform work under this contract or before granting access to foreign persons to any equipment and technical data generated or delivered during performance (see 22 CFR Section 125). The Contractor shall notify the Contracting Officer and obtain written approval of the Contracting Officer prior to assigning or granting access to any work, equipment, or technical data generated or delivered under this contract to foreign persons or their representatives. The notification shall include the name and country of origin of the foreign person or representative, the specific work, equipment, or data to which the person will have access, and whether the foreign person is cleared to have access to technical data (DoD 5220.22-M, National Industrial Security Program Operating Manual (NISPOM))

IG-468C. 5352.228-9001 INSURANCE CLAUSE IMPLEMENTATION (AFMC) JUL 1997

(IAW AFMCFARS 5328.310(a) and 5328.311-1)

The Contractor shall obtain and maintain the minimum kinds and amounts of insurance during performance of this contract as specified by FAR 28.307-2, liability, and contemplated by FAR 52.228-5, Insurance--Work on a Government Installation, and/or 52.228-7, Insurance--Liability to Third Persons.

IR-486C. 5352.237-9001 CONTRACTOR IDENTIFICATION (AFMC) JUL 1997

(IAW AFMCFARS 5307.110-90(b))

(a) Contractor personnel and their subcontractors must identify themselves as Contractors or subcontractors during meetings, telephone conversations, in electronic messages, or correspondence related to this contract.

(b) Contractor-occupied facilities (on AFMC or other Government installations) such as offices, separate rooms, or cubicles must be clearly identified with Contractor supplied signs, name plates or other identification, showing that these are work areas for Contractor or subcontractor personnel.

IR-515C. 5352.245-9004 BASE SUPPORT (AFMC) JUL 1997

(IAW AFMCFARS 5345.106-90(a))

Base support shall be provided by the Government to the Contractor in accordance with this clause. Failure by the Contractor to comply with the requirements of this clause shall release the Government, without prejudice, from its obligation to provide base support by the date(s) required, if warranted, and if the Contractor has complied with the requirements of this clause, an equitable adjustment shall be made if the Government fails to provide base support by the date(s) required.

(a) Base support includes Government-controlled working space, material, equipment, services (including automatic data processing), or other support (excluding use of the Defense Switched Network (DSN)) which the Government determines can be made available at, or through, any Air Force installation where this contract shall be performed. All Government property in the possession of the Contractor, provided through the base support clause, shall be used and managed in accordance with the Government Property clauses.

(b) The Air Force installations providing the support shall be listed in subparagraph (a), and the Government support to be furnished by each installation under this contract shall be listed in subparagraph (f).

(c) Unless otherwise stipulated in the contract schedule, support shall be provided on a no-charge-for-use basis and the value shall be a part of the Government's contract consideration.

(d) The Contractor agrees to immediately report (with a copy to the cognizant CAO) inadequacies, defective Government-Furnished Property (GFP) or nonava liability of support stipulated by the contract schedule, together with a recommended plan for obtaining the required support. The Government agrees to determine (within 10 workdays) the validity and extent of the involved requirement and the method by which it shall be fulfilled (e.g., purchase, rental, lease, GFP, etc.). Facilities shall not be purchased under this clause. Additionally, the Contractor (or authorized representative) shall not purchase, or otherwise furnish any base support requirement provided by the clause (or authorize others to do so), without prior written approval of the Contracting Officer regarding the price, terms, and conditions of the proposed purchase, or approval of other arrangements.

(e) Following are installations where base support will be provided
AFSAC/IT, BLDG 89, AREA C, WPAFB OH 45433-8337.
(f) The Government support to be furnished under this contract is non-
personal services. Because of the nature and location(s) of the work
performed, the value of such equipment is undeterminable. The
Contractor shall not incur any cost resulting from nonsupport prior to
Contracting Officer concurrence in accordance with this clause.

PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS
SECTION 4
LIST OF ATTACHMENTS
(All listed attachments are at the end of this document)

<u>FORM NR</u>	<u>TITLE</u>	<u>DATE</u>	<u>NR OF PAGES</u>
DD FORM 1123-1	CONTRACT DATA REQUIREMENTS LIST (CDRL)	30 APR 99	10
SOW	STATEMENT OF WORK FOR COMMUNICATIONS/COMPUTER SERVICES	28 AUG 99	24

COMMUNICATIONS/COMPUTER SERVICES
TO THE
INFORMATION TECHNOLOGY DIRECTORATE
AIR FORCE SECURITY ASSISTANCE CENTER
(AFSAC/IT)

CONTRACT F33600-99-C-0089

25 August 1999

INTRODUCTION

1.1 Organization

AFSAC/IT
5490 Pearson Road
Wright-Patterson Air Force Base Ohio 45433-5332

1.2 Contract Title

The title of this effort is Communications/Computer Services (C/CS) to the Information Technology (IT) Directorate, Air Force Security Assistance Center (AFSAC).

1.3 Period of Performance

The period of performance for this Statement of Work is 1 October 1999 through 30 September 2000.

1.4 Purpose

The purpose of this effort is to provide the AFSAC and the AFSAC's Foreign Military Sales customers with non-personal services and technical expertise in support of AFSAC's Security Assistance Management Information System (SAMIS), Local Area Network (LAN), Wide Area Network (WAN), Office Automation Network (PCNet), and other related systems. This shall be accomplished by the improvement of existing systems to meet functional user needs, development of new systems, and assisting AFSAC in providing overall technical support for AFSAC's case managers and AFSAC's foreign customers.

1.5 Project Background and Objectives

The Air Force Materiel Command (AFMC) Air Force Security Assistance Center (AFSAC) has a requirement to obtain systems engineering and technical assistance for an Automated Data Processing (ADP) system and associated networks which process Security Assistance data in support of the Foreign Military Sales (FMS) mission. To accomplish this mission, AFMC/AFSAC has implemented SAMIS, an interactive data processing system and establish an office automation Local Area Network (LAN). SAMIS and PCNet provide government personnel immediate access to information used to manage the purchase and support of military equipment and supplies by foreign governments.

1.6 ADP/Telecommunications Environment

1.6.1 Hardware

AFSAC currently operates and maintains its own Local Area Network (LAN). The AFSAC LAN is engineered around Novell Compaq servers running 4.X and Sun Sparc servers running SunOS 4.1.3 and Solaris 2.5 and 2.6 or greater, networked together via Fast Ethernet and fiber connections. The LAN backbone is comprised of CISCO hubs and smart switches connecting approximately 600 individual ports together using Virtual LAN (VLAN) technology. The AFSAC uses Pentium based PCs, Novell file servers, Sun Sparc stations, CISCO hubs and switches, and other communication devices to provide internal Office Automation (OA) and worldwide communications capabilities. The Novell servers provide access to OA software, data storage and retrieval, print and file server functionality, data/user security, etc. The Sparcs provide TN3270 terminal emulation, World Wide Web (WWW) access, Web Hyper-Text Markup Language (HTML) and Java development, Oracle database capabilities, email, or other communication requirements.

1.6.2 Software

The network management system uses Netview 6000 layered with Cisco Works for Switched Inter-networks (CWSI), Ciscoview, VLAN Director Traffic Director, and Netsys to provide proactive monitoring of network trends and statistics. Software (e.g., Groupwise, Microsoft (MS) Power Point, Word, Excel, Access, Windows 95, desktop faxing, 3270 protocol emulators, 0) provide much of the OA support to the users. MS Windows 95 is the standard Graphical User Interface (GUI) software. MS Word is the common word processor. BeyondMail presently provides mail handling support. AFSAC will be upgrading to either Groupwise or MS Exchange for mail handling and scheduling services within the next year. 3270 emulation software runs on the Sun Sparc stations to provide users access to the Security Assistance Management Information System (SAMIS) mainframe computer located at Tinker AFB, Oklahoma, via terminal device emulation.

1.6.3 Communications Protocols

Communications protocols include simple Network Management Protocol (SNMP), Transmission Control Protocol/Internet Protocol (TCP/IP), Ethernet, Fast Ethernet, X.400, X.500, IPX, and SPX Protocol analyzers are configured and monitored to provide proactive identification of LAN errors and problems. The Network General Sniffer LAN analyzer is used to collect system performance and operational statistical data.

1.6.4 Operating Systems

Operating systems include AIX 4.2.1, Netware 4.11 (Intranctware), Solaris 2.5 and 2.6, and SunOS 4.1.3 with a growth potential to versions greater than these specified.

2.0 TECHNICAL SERVICES REQUIRED

2.1 Task Description

The contractor shall supply all necessary qualified personnel, site management, materials, and non-personal ADP services in support of the mission of the AFSAC and its customer countries. Travel may be required in the performance of this contract. The contractor shall provide services in support of requirement analysis, design specifications, systems development, prototyping, training, technical documentation, and Independent Verification and Validation (IV&V) for existing and proposed AFSAC computer systems. Non-personal C/CS services include, but are not limited to, communications or computer systems design, programming, testing, system maintenance, documentation, network control, UNIX system administration, Intra- or Internet systems administration, Novell systems administration, helpdesk administration, and personal computer (PC) software support.

2.2 AFSAC ADP Computer Systems Tasks

2.2.1 Site Management

The contractor shall provide an on-site manager to perform administrative duties necessary to ensure the proper assignment of workload, resolution of conflicts, coordination of all contractor efforts and timely status reporting. This manager must work closely with Government management in all phases of workload prioritization, assignment, and related tasks documented in this Statement of Work (SOW). Duties of the person assigned to this task include, but are not limited to, the following activities:

2.2.1.1 Act as the on-site administrator of contractor personnel.

2.2.1.2 Provide overall level of expertise to ensure workload problems are addressed and appropriate contractor personnel complete work assignments.

2.2.1.3 Provide the technical background to manage all AFSAC ADP system telecommunications, application development, and operations efforts.

2.2.1.4 Serve as the point of contact for job assignments, research requirements, and workload coordination.

2.2.1.5 Provide the technical background necessary to ensure that AFSAC ADP systems are utilized to the fullest advantage, incorporating integration technologies, and ensuring the automation of system functions provide users with the tools required to accomplish their mission.

2.2.1.6 Provide monthly progress reports of work accomplished (CDRL A001).

2.2.1.7 Document project planning for accomplishment of specific tasks (CDRL A002).

2.2.1.8 Work directly with Government personnel in establishing priorities of work to be accomplished.

2.2.1.9 Coordinate team efforts to accomplish requirements affecting several kinds of expertise (e.g., system administration, system programming, teleprocessing, telecommunications applications programming, PC support, and help desk support).

2.2.1.10 Ensure that contractor staff is adequately trained in all areas of responsibility and/or provide additional training or substitution of personnel to meet continuing changes and enhancements to the SAMIS/PCNet system. If the contractor staff requires additional training to meet the required level of expertise, the training, associated travel expenses, and per diem expenses will be incurred at the contractor's expense. The contractor may, with written agreement from the PCO, substitute personnel to meet the required level of expertise, and to meet continuing system changes and enhancements.

2.2.1.11 Coordinate activities with all personnel working on other AFSAC ADP tasks to ensure that all activities result in an integrated office automation environment as required to support the AFSAC mission.

2.2.2 Sun/UNIX System Programming and Administration

The contractor shall perform all system programming and administration tasks required to support the Sun Sparc UNIX systems programming functions. The contractor shall document all monthly activity and progress (CDRL A001). Duties of personnel assigned to this task include, but are not limited to, the following activities:

2.2.2.1 Install vendor supplied system or application software products.

2.2.2.2 Customize vendor supplied software products to attain maximum benefit for the total AFSAC operational environment.

2.2.2.3 Install and, if necessary, customize vendor-supplied maintenance and upgrades to software products.

2.2.2.4 Provide original or revised draft documentation of any customization of software products, maintenance, and upgrades, as appropriate, for the Network Operations Guide and AFSAC Network Site Logs (CDRL A004). Due to AFSAC policy, system support personnel do not make changes to systems or the network during normal working hours that could impact access to the network.

2.2.2.5 Verify and test all software products prior to implementation and document in the monthly progress report (CDRL A001).

- 2.2.2.6** Participate in the coordination and implementation of software or installation of hardware which affect functional ADP systems support areas. Using AFSAC's Action Request System (ARS), document required changes. Ensure all requested changes have been fully coordinated and signed off by the PCO or the PCO's designated representative before proceeding with the change. AFSAC policy requires that changes to the system or network do not take place during normal working hours, if those changes could impact access to the network.
- 2.2.2.7** Provide problem determination for hardware failures and for operating system software component failures and document results in the AFSAC's Action Request System (ARS), an on-line problem tracking and management system.
- 2.2.2.8** Provide original or revised draft documentation of any customization of software products, maintenance, and upgrades, as appropriate, for the Network Operations Guide and AFSAC Network Site Logs (CDRL A004). Due to AFSAC policy, system support personnel do not make changes to systems or the network during normal working hours that could impact access to the network.
- 2.2.2.9** Facilitate problem resolution through contact with appropriate hardware or software vendors and coordinate resolutions with the AFSAC Network Control Center (NCC) and all other technical support areas in the AFSAC.
- 2.2.2.10** Recommend hardware and software solutions to actual or probable performance capacity deficiencies. Provide documentation in support of hardware and software solutions and deficiencies (CDRL A004).
- 2.2.2.11** Monitor the Sun Sparc systems for adequate system performance and ensure system performance is providing constant system availability. Track component usage to ensure utilization thresholds are not exceeded which would degrade system performance.
- 2.2.2.12** Analyze software requirements, hardware requirements, and problems between AFSAC functional areas regarding device characteristics and alternative software algorithms.
- 2.2.2.13** Provide AFSAC management with documented technical alternatives to new or altered functional requirements (CDRL A004).
- 2.2.2.14** Analyze, design, code, test, and document operating system and application software to meet AFSAC functional requirements. As appropriate, document processes in the Network Operations Guide and AFSAC Network Site Logs (CDRL A003).
- 2.2.2.15** Optimize CPU utilization, system load, input and output, and disk storage within the constraints of system software and available hardware.

2.2.2.16 Ensure software releases are compatible with new hardware or software installations and other AFSAC ADP systems.

2.2.2.17 Recommend changes to existing hardware or software to automate current manual system processes utilizing capabilities in existing or emerging technologies (CDRL A004, as needed).

2.2.2.18 Document plans to support computer systems integration efforts (CDRLs A005 and A006).

2.2.2.19 Contractor shall perform user account maintenance, system security, E-mail, and print services relating to the Sun Sparc systems.

2.2.2.20 Provide system fault tolerance to include performing tape backups. Ensure correctness of Sun Sparc portions of the AFSAC Disaster Recovery Plan. Exercise and test Disaster Recovery Plan once annually (CDRL A007).

2.2.2.21 Ensure system security features are maintained to meet AF, AFMC, and AFSAC requirements. Monitor systems for inappropriate accesses or attempts to obtain illegal access and report to appropriate AFSAC personnel for action.

2.2.3 Novell, DOS, and WIN95 System Administration

The Contractor shall provide system administration for PCNet/OA Novell Netware, DOS, and WIN95-based application servers. The support will include the PC-based Netware servers and the Netware features loaded on the PCNet Sun SPARC (UNIX) servers and client systems. The contractor shall document all monthly activity and progress (CDRL A001). Duties of personnel assigned to this task include, but are not limited to, the following activities:

2.2.3.1 Establish and maintain configuration control standards and procedures required to manage the Netware servers and all associated software resident on the Netware servers. Document new or modified changes as directed by AFSAC procedures (CDRLs A005 and A006).

2.2.3.2 Establish and maintain configuration control standards and procedures required for Client Workstation interface requirements to the Netware servers. Document new or modified changes as directed by AFSAC procedures (CDRLs A005 and A006).

2.2.3.3 Install vendor supplied system or application software products.

2.2.3.4 Customize vendor supplied software products to attain maximum benefit for the total AFSAC operational environment.

- 2.2.3.5** Install and, if necessary, customize vendor supplied software maintenance and upgrade products.
- 2.2.3.6** Provide original or revised draft documentation of any customization of software products, maintenance, and upgrades, as appropriate, for the Network Operations Guide and AFSAC Network Site Logs (CDRL A004). Due to AFSAC policy, system support personnel do not make changes to systems or the network during normal working hours that could impact access to the network.
- 2.2.3.7** Verify and test all software products prior to implementation and document in the monthly progress report (CDRL A001).
- 2.2.3.8** Participate in the coordination and implementation of software or installation of hardware which affect functional ADP systems support areas. Using AFSAC's Action Request System (ARS), document required changes. Ensure all requested changes have been fully coordinated and signed off by the PCO or the PCO's designated representative before proceeding with the change. AFSAC policy requires that changes to the system or network do not take place during normal working hours, if those changes could impact access to the network.
- 2.2.3.9** Provide problem determination for hardware failures and for operating system software component failures and document results in the AFSAC's Action Request System (ARS), an on-line problem tracking and management system.
- 2.2.3.10** Provide original or revised draft documentation of any customization of software products, maintenance, and upgrades, as appropriate, for the Network Operations Guide and AFSAC Network Site Logs (CDRL A004). Due to AFSAC policy, system support personnel do not make changes to systems or the network during normal working hours that could impact access to the network.
- 2.2.3.11** Facilitate problem resolution through contact with appropriate hardware or software vendors and coordinate resolutions with the AFSAC Network Control Center (NCC) and all other technical support areas in the AFSAC.
- 2.2.3.12** Recommend hardware and software solutions to actual or probable performance capacity deficiencies. Provide documentation in support of hardware and software solutions and deficiencies (CDRL A004).
- 2.2.3.13** Monitor the Novell file systems for adequate system performance and ensure system performance is providing constant system availability. Track component usage to ensure utilization thresholds are not exceeded which would degrade system performance.
- 2.2.3.14** Provide technical assistance to other AFSAC functional areas regarding device characteristics and alternative software algorithms.

2.2.3.15 Provide AFSAC management with documented technical alternatives to new or altered functional requirements (CDRL A004).

2.2.3.16 Analyze, design, code, test, and document operating system and component software to meet AFSAC functional requirements. As appropriate, document processes in the Network Operations Guide and AFSAC Network Site Logs (CDRL A003).

2.2.3.17 Optimize CPU utilization, input and output, and disk storage within the constraints of system software and available hardware.

2.2.3.18 Ensure software releases are compatible with new hardware or software installations and other AFSAC ADP systems.

2.2.3.19 Recommend changes to existing hardware or software to automate current manual system processes utilizing capabilities in existing or emerging technologies (CDRL A004, as needed).

2.2.3.20 Document plans to support computer systems integration efforts (CDRLs A005 and A006).

2.2.3.21 Provide support for user account maintenance, Netware Directory Services, system security, E-mail, and print services relating to the NetWare servers.

2.2.3.22 Provide system fault tolerance to include performing tape backups. Ensure correctness of Novell file server and software portions of the AFSAC Disaster Recovery Plan. Exercise and test Disaster Recovery Plan once annually (CDRL A007).

2.2.3.23 Ensure system security features are maintained to meet AF, AFMC, and AFSAC requirements. Monitor systems for inappropriate accesses or attempts to obtain illegal access and report to appropriate AFSAC personnel for action.

2.2.4 Personal Computer/Client Workstation Support

The contractor shall perform all tasks required to support the users of all client workstations attached to the AFSAC LAN, including, but not limited to, personal computers, printers, modems, and CD ROM drives. The contractor shall document all monthly activity and progress (CDRL A001). These tasks include, but are not limited to, hardware trouble shooting and repair, Commercial Off-The Shelf (COTS) software support and training, hardware or software installations and upgrades, printer configuration, and other associated types of support.

2.2.5 PC / Network Applications Software Support

The Contractor shall provide application software support. The applications may reside on either a PC client or a Novell network server. The contractor shall document all monthly activity and progress (CDRL A001). Duties of personnel assigned to this task include, but are not limited to, the following activities:

2.2.5.1 Install, test, and document Commercial-Off-The-Shelf (COTS) and other applications on an application server, based on existing configuration control standards.

2.2.5.2 Install, test, and document Commercial-Off-The-Shelf (COTS) and other applications on client workstations, based on existing configuration control standards.

2.2.5.3 Ensure application software is compatible with current AFSAC ADP hardware and software.

2.2.5.4 Verify and test applications and upgrade applications prior to implementation and document in the monthly progress report (CDRL A001).

2.2.5.5 Install electronic forms and templates on servers as requested by AFSAC/ITT.

2.2.5.6 Participate in the coordination and implementation of software or installation of hardware which affect functional ADP systems support areas. Using AFSAC's Action Request System (ARS), document required changes. Ensure all requested changes have been fully coordinated and signed off by the PCO or the PCO's designated representative before proceeding with the change. AFSAC policy requires that changes to the system or network do not take place during normal working hours, if those changes could impact access to the network.

2.2.6 AFSAC ADP Application Programming for the Security Assistance Management Information System (SAMIS)

In the SAMIS application environment, new development and maintenance are not treated differently from PC/Network applications as identified in the previous paragraph.

2.2.7 New Application Development

The contractor shall perform all tasks required to support assigned applications development associated with SAMIS or other AFSAC computer systems. New application program development for SAMIS will be detailed or defined in the AFSAC SAMIS Programming Requirements (SPR) system. Mainframe application programs shall be coded in either NATURAL or COBOL programming languages. UNIX application programs or scripts shall be coded in NATURAL, C++, PERL, ORACLE, SQL, or UNIX shell script. Microcomputer application programs, scripts, or macros shall be coded in a

variety of different languages including, but not limited to, DBASE III/IV, MS-FOXPRO, MS-EXCEL, MS-WORD, POWERBUILDER, or SQL. The contractor shall document all monthly activity and progress (CDRL A001). Duties of personnel assigned to this task include, but are not limited to, the following activities:

2.2.7.1 The contractor shall develop all program modules and driver programs, scripts, or macros, using top-down design methodology and structured programming techniques.

2.2.7.2 The contractor shall conduct program tests of all developed software modules. The test results shall be given to the appropriate AFSAC/ITD Government personnel for a complete and detailed review. The contractor shall update programs to correct errors or problems identified by AFSAC/ITD. The contractor shall continue to test programs until all specifications of the test plan have been met.

2.2.7.3 The program source code shall be error free, logically correct, and shall contain internal, written comments.

2.2.7.4 The executable software shall be error free, executable on the appropriate computer platform, and satisfy the functional requirements.

2.2.7.5 The contractor shall document maintenance procedures or requirements for each developed program. The manual shall contain both general and specific instructions that will enable other programmers to maintain the computer programs. Documentation shall comply with AFSAC documentation standards and guidelines (CDRL A008).

2.2.8 ADP Application Program Maintenance

The contractor shall provide system upgrades or re-host existing applications on other platforms, by modifying or reengineering existing programs or processes as defined in the detailed System Programming Requirements (SPR) documents for SAMIS or in a similar requirements system for other platforms. Requirements will be prepared by AFSAC/ITD describing the detailed changes required by existing application programs. Since each requirement is unique, it will be prioritized by the AFSAC. The priorities of the requirements will be provided by PCO to the contractor specifying the desired work sequence. Examples of the type of changes are: (1) revise edit logic, (2) add logic to process new transactions, (3) provide new or revised reports, (4) provide additional data in existing applications, (5) re-coding due to re-hosting on mini or micro computer systems, etc. Duties of personnel assigned to this task include, but are not limited to, the following activities:

2.2.8.1 The contractor shall develop all program modules and driver programs, scripts, or macros, using top-down design methodology and structured programming techniques.

2.2.8.2 The contractor shall conduct program tests of all developed software modules. The test results shall be given to appropriate AFSAC/ITD Government personnel for a

complete and detailed review. The contractor shall update programs to correct errors or problems identified by AFSAC/ITD. The contractor shall continue to test programs until all specifications of the test plan have been met.

2.2.8.3 The program source code shall be error free, logically correct, and shall contain internal, written comments.

2.2.8.4 The executable software shall be error free, executable on the appropriate computer platform, and satisfy the functional requirements.

2.2.8.5 The contractor shall document maintenance procedures or requirements for each developed program. The manual shall contain both general and specific instructions that will enable programmers to maintain the computer programs. Documentation shall comply with AFSAC documentation standards and guidelines (CDRL A008).

2.2.9 UNIX/World Wide Web (WWW)/Oracle System Administrative Support

The contractor shall perform all system administration tasks required to support the UNIX systems' World Wide Web (WWW) and Oracle system administration and programming functions. Duties of personnel assigned to this task include, but are not limited to, the following activities:

2.2.9.1 Install vendor supplied UNIX, WWW-based system or application software products in direct support of the AFSAC's intra-, inter-, or extranet environments. Install vendor supplied system software to support the AFSAC's Oracle based client server requirements.

2.2.9.2 Customize vendor supplied UNIX and WWW-based software products to attain maximum benefit for the total AFSAC worldwide internet environment.

2.2.9.3 Customize vendor supplied Oracle system software products to attain maximum efficiencies with the UNIX operating system deployed at the AFSAC (currently SunOS and Solaris).

2.2.9.4 Install and customize, if necessary, UNIX, Oracle, and WWW-based software products.

2.2.9.5 Install and, if necessary, customize vendor supplied maintenance or upgrade software products for intra-, inter-, or extranet (WWW), UNIX, or Oracle.

2.2.9.6 Provide original or revised draft documentation of any customization of software products, maintenance, and upgrades, as appropriate, for the Network Operations Guide and AFSAC Network Site Logs (CDRL A004). Due to AFSAC policy, system support personnel do not make changes to systems or the network, unless absolutely essential, during normal working hours that could impact access to the network.

- 2.2.9.7** Participate in the coordination and implementation of software or installation of hardware which affect functional ADP system support areas. Using AFSAC's Action Request System (ARS), document required changes. Ensure all requested changes have been fully coordinated and signed off by the PCO or the PCO's designated representative before proceeding with the change. AFSAC policy requires that changes to the system or network do not take place during normal working hours, if those changes could impact access to the network.
- 2.2.9.8** Provide problem determination for hardware failures and for operating system software component failures and document results in the AFSAC's Action Request System (ARS), an on-line program tracking and management system.
- 2.2.9.9** Provide original or revised draft documentation of any customization of software products, maintenance, and upgrades, as appropriate, for the Network Operations Guide and AFSAC Network Site Logs (CDRI A004). Due to AFSAC policy, system support personnel do not make changes to systems or the network during normal working hours that could impact access to the network.
- 2.2.9.10** Facilitate problem resolution through contact with appropriate hardware or software vendors and coordinate resolutions with the AFSAC Network Control Center (NCC) and all other technical support areas in AFSAC.
- 2.2.9.11** Recommend hardware and software solutions to actual or probable performance capacity deficiencies. Provide documentation in support of hardware and software solutions and deficiencies (CDRI A004).
- 2.2.9.12** Monitor the Sun Sparc systems, including the Oracle database and Web servers for adequate system performance and ensure system performance is providing constant system availability. Track component usage to ensure utilization thresholds are not exceeded which would degrade system performance or capacity.
- 2.2.9.13** Provide technical assistance to other AFSAC functional areas regarding device characteristics and alternative software algorithms.
- 2.2.9.14** Provide AFSAC management with documented technical alternatives to new or altered functional requirements (CDRI A004).
- 2.2.9.15** Analyze, design, code, test, and document operating system and application software to meet or facilitate AFSAC functional requirements. As appropriate, provide original or revised draft documentation of any customization of software products, maintenance, and upgrades, for the Network Operations Guide and AFSAC Network Site Logs (CDRI A004). Due to AFSAC policy, system support personnel do not make changes to systems or the network during normal working hours that could impact access to the network.

2.2.9.16 Optimize the use of resources within the constraints of system software and available hardware.

2.2.9.17 Ensure software releases are compatible with new hardware or software installations and other AFSAC ADP systems.

2.2.9.18 Recommend changes to existing hardware or software to automate current manual system processes utilizing capabilities in existing or emerging technologies (CDRL A004, as needed).

2.2.9.19 Document plans to support computer systems integration efforts (CDRLs A005 and A006).

2.2.9.20 Provide support for user account maintenance, system security, E-mail and print services relating to the Sun Sparc systems.

2.2.9.21 Provide system fault tolerance to include performing tape backups. Ensure correctness of UNIX, WWW, and Oracle portions of the AFSAC Disaster Recovery Plan. Exercise and test Disaster Recovery Plan once annually (CDRL A007).

2.2.9.22 Ensure system security features are maintained to meet AF, AFMC and AFSAC requirements. Monitor systems for inappropriate accesses or attempts to obtain illegal access and report to appropriate AFSAC personnel for action.

2.2.10 Network Operations Support

The contractor shall provide a full range of telecommunications services in direct support of the AFSAC ADP computer systems. The contractor shall document all monthly activity and progress (CDRL A001). Duties of personnel assigned to this task include, but are not limited to, the following activities:

2.2.10.1 Attach, configure, analyze, and monitor results displayed by automated test equipment associated with the AFSAC telecommunications network. Test tools include, but are not limited to, Sniffer LAN analyzer, SNMP Management Information Base (MIB) manager, and NV6000 Network Management System. Test tools may be layered with Ciscoworks for switched internets and Netsys connectivity and performance tools or other associated network management hardware or software utilities which verify the performance and condition of the AFSAC LAN or WAN networks.

2.2.10.2 Install, de-install, and configure telecommunications equipment associated with the AFSAC telecommunications network including new hardware or software, as required, to support further expansions or upgrades to the AFSAC network infrastructure. Document all changes as directed by AFSAC procedures (CDRL A002).

- 2.2.10.3** Install and maintain Video Teleconferencing (VTC) and all related office automation equipment in AFSAC VTC facilities.
- 2.2.10.4** Support integration of hardware and software at both the central and remote sites (sites to be identified in individual task orders). This integration effort may require travel to those sites.
- 2.2.10.5** Provide recommendations for automation of manual monitoring activities to help ensure that identification of potential problems can be accomplished in a proactive versus reactive manner.
- 2.2.10.6** Perform AFSAC network planning to ensure timely and effective changes to the network configuration.
- 2.2.10.7** Monitor the AFSAC network to ensure sufficient system resources are available to satisfy user requirements. Immediately notify appropriate AFSAC management, or individuals designated by management, whenever resource shortages are discovered.
- 2.2.10.8** Modify control information for communications software to reflect network configurations.
- 2.2.10.9** Install, test, document, and, if necessary, customize vendor supplied communications software maintenance and upgrade products (CDRL A008).
- 2.2.10.10** Provide original or revised draft documentation of any customization of software products, maintenance, and upgrades, as appropriate, for the Network Operations Guide and AFSAC Network Site Logs (CDRL A004). Due to AFSAC policy, system support personnel do not make changes to systems or the network during normal working hours that could impact access to the network.
- 2.2.10.11** Provide problem determination of AFSAC network problems, and document results in the AFSAC's ARS including host-based telecommunications software and network support software.
- 2.2.10.12** Facilitate problem resolution through contact with the appropriate vendor or communications service including local base communications groups and coordinate resolutions with the AFSAC Network Control Center (NCC) and all other technical support areas in AFSAC.
- 2.2.10.13** Coordinate via AFSAC's Action Request System (ARS) all AFSAC network hardware and software installations and modifications.
- 2.2.10.14** Assist Government staff in providing AFSAC management with effective, technical, documented alternatives to AFSAC network requirements and problems (CDRL A004).

2.2.10.15 Coordinate information with the AFSAC Helpdesk to answer user inquiries and coordinate resolution of user problems. Enter appropriate information into the ARS.

2.2.10.16 Place maintenance calls for preventive maintenance as well as for equipment failures. Coordinate with both vendor and Government personnel, as appropriate, to ensure equipment is maintained or repaired and documented in the ARS.

2.2.10.17 Communicate with vendors and Government personnel regarding planned periods of AFSAC and other computer system(s) and network(s) unavailability required to support the AFSAC mission (i.e., the Case Management Control System, Stock Control and Distribution, the AFMC LAN, the SAMIS mainframe at Tinker AFB).

2.2.10.18 Install, troubleshoot, and repair all types of cabling used with the AFSAC's Local Area Network (LAN).

2.2.10.19 Provide technical specifications and justifications when recommending procurement of hardware or software changes to AFSAC's LAN. Evaluate software before purchase.

2.2.10.20 Ensure security measures are implemented according to Air Force regulations. Invoke security measures by the use of firewalls, router access/deny lists, setting file permissions and system access permissions.

2.2.10.21 Perform system backups for the network management system and ensure all configuration changes are pushed out to the appropriate network hosts.

2.2.11 Network Help Desk Support

The contractor shall perform all tasks required to support a network help desk for the worldwide security assistance network. The contractor shall document all monthly activity and progress (CDRL A001). Duties of personnel assigned to this task include, but are not limited to, the following activities:

2.2.11.1 Man the help desk, receiving phone call requests from worldwide network users regarding system connectivity, hardware and software configuration, system availability, and system access regarding the AFSAC network, SAMIS, and non-SAMIS systems used to support the AFSAC's mission.

2.2.11.2 Resolve connectivity issues. Responsible for knowing the details of the PCNET LAN environment, including access to the SAMIS system and international accesses to and from the LAN and SAMIS and take appropriate actions to solve user problems. This resolution may range from simply answering queries to coordinating actions of others needed to solve the problem.

2.2.11.3 Track all actions or problems to completion ensuring user has been appropriately notified, and is satisfied with the corrective action taken.

2.2.11.4 Train other personnel in the role and responsibilities of the help desk function as required to support the AFSAC mission.

2.2.11.5 Aid in the resolution of Office Automation (OA) problems.

2.2.11.6 Resolve printer problems. Involves rerouting printing, determining where printing is done from specific terminals, knowing how the network printing system works.

2.2.11.7 Support all of AFSAC planning and implementation processes (moves, reorganizations, and facility renovations).

2.2.11.8 Conduct microcomputer hardware, software, and communications technology research as requested by the AFSAC/IT.

2.2.11.9 Assist with the preparation and installation of cables, PC setups, and printer setups as required.

2.2.11.10 Maintain the AFSAC's Action Request System (ARS), centralizing and prioritizing customer requests, routing, and tracking customer requests through to completion.

2.2.11.11 Maintain equipment sign-in/sign-out process for AFSAC "loaner" equipment, ensuring equipment is base-lined, in proper working order, and appropriate software installed prior to checkout.

2.2.12 Ad Hoc Products Support

Ad hoc support in the AFSAC ADP environment is defined as priority precedent application or data requirements. Ad Hoc requests are received from management, end-users, other AFSAC ADP functional areas, or directed by HQ AFMC, SAF, DSCA, and other DoD activities. Although many requests result in a one-time executed requirement, several have become production procedures or applications. Consequently, system support personnel developing ad hoc applications must adhere to the standards for application development cited in 2.2.7 above. Contractor shall prepare user and maintenance manuals as specified by the Government (CDRL A008). Ad hoc support is consistently demanding and constantly fluctuating.

2.2.13 Security Assistance Management Information System (SAMIS)

In the SAMIS application environment, ad hoc products support is not treated differently from Ad Hoc Products Support as identified in the previous paragraph.

2.3 Deliverables

The contractor shall provide deliverables as specified by the task order. These deliverables may include, but may not be limited to the CDRLs listed in Technical Exhibit A.

2.3.1 Other Deliverables

Other deliverables may be required through the contract that will be specified by individual task orders. This includes descriptive information in the form of presentation materials, brochures, or other media describing the ADP capabilities of AFSAC or AFSAC's Foreign Military Sales (FMS) customers (CDRLs A009 and A010).

2.4 Progress Reporting

The contractor shall provide the Government monthly documentation on Progress and Status made on the individual task order (CDRL A001).

3.0 PERSONNEL

3.1 Skills Required (Minimum)

The contractor shall provide personnel with the below listed skills, as applicable to each task order. In the event that multiple types of experience are described, the years of experience cited can have been obtained concurrently.

3.1.1 Site Administrator

Requires management skills and experience to perform administrative duties necessary to ensure the proper assignment of workload, resolution of conflicts, coordination of all contractor efforts, and timely status reporting. Must possess a background enabling the administrator to be familiar with the SAMIS and PCNet automated data processing environment. The administrator should be familiar with configuration management, change management and performance management concepts. The administrator must understand networking and mainframe hardware and software concepts, and their related problems. The site administrator must be able to communicate those problems and potential solutions to Government management. Must have a bachelor's degree in computer science. Five years of experience may be substituted for the educational requirements.

3.1.2 System Analyst/Programmer (SYS A/P)

Requires experience in identifying and assessing requirements for new or modified information systems, performing detailed systems design, preparing written specifications, programming, and conducting module and integration testing. Requires experience in

design and maintenance of data base management systems, Dbase III-IV, MS-FOXPRO, and Oracle in the use of CASE technology, and in structured requirements analysis methodologies such as information engineering. Knowledgeable of pertinent MIL-STDs and system development processes. An associate's degree in computer science is required. Two years (2) of college in an accredited institution plus an additional five (5) years of hands on experience, or an additional seven (7) years of hands on experience may be substituted for an associate's degree.

3.1.3 Network Operations Specialist (SYSTEMS PROGRAMMER)

Requires an in-depth knowledge of CISCO routers, hubs, and switches, Baynetworks hub, and RS6000 servers. Must be proficient in the operations of Network General Expert Sniffer and virtually any LAN communications test equipment to evaluate and diagnose LAN physical environments (i.e. cable plant, interfaces, bridges, switches, controllers, hubs, routers and client devices) and other network related equipment. Must have working knowledge of the International Institute of Electric and Electronic Engineers (IEEE) standards (802.2 and 802.3), TCP/IP, IPX, SPX, X.400, X.500, and X.25 protocols, plus asynchronous communications, and IBM SNA proprietary protocols. Must be familiar with Network Control Center operations and procedures, including experience with: Graphic User Interface (GUI) Network Management Systems utilizing IMBs Netview 6000 for AIX; CWSI, Version 3.0; Ciscoview, Version 3.1; VLAN Director, Version 1.1; Traffic Director, Version 3.3; Netsys Connectivity Manager, Version 3.0; and Netsys Performance manager, Version 2.0. Contractor will assist in the development and documentation of information pertaining to configuration management of all network hardware and software, including Network Operation Guides and Logs. Requires an associate's degree in computer science or a minimum of three years experience in an engineering field related to Computer Science discipline. Five years of experience may substitute for the educational requirements.

3.1.4 Programmer (PROGRAMMER)

Requires experience in coding, testing, implementing and documenting with a 4th Generation Language (4GL) in a large IBM or IBM compatible mainframe environment. NATURAL (the 4GL used for SAMIS programs) experience is preferred. Five (5) years of experience or a bachelor's degree in engineering, computer science, or the sciences is required.

3.1.5 PC / Network Applications Software Support (2 PC PROGRAMMERS)

Requires experience in installation, testing, and documenting application software on either a standalone PC or on a network applications server. Server applications must be tested in a server test region to ensure system compatibility. Must be knowledgeable with both Windows 3.x and Windows 95 in a PC standalone and Client-Server environment. Five (5) years of experience or a bachelor's degree in engineering, computer science, or the sciences is required.

3.1.6. UNIX/WORLD WIDE WEB (WWW)/Oracle System Administrator (SYSTEMS PROGRAMMER)

Requires an advanced knowledge of Sun Operating System (Sun/OS) and Solaris OS, kernel configuration, and I/O subsystems to include peripherals. Requires knowledge in intra-, inter-, extranet development, support, and communications requirements. Must be versed in the general management and operation of the Sun hardware suite. Need to be capable of installing, configuring, operating, customizing, and maintaining the Sun hardware, Sun/WWW/Oracle standard software programs and utilities, and third party vendor software products. Must be familiar with the more polished user administration, security, management, and performance monitoring techniques and procedures. Requires advanced programming skills in "C", NFS, NIS, PERL, SALT, HTML, JAVA, shell, and various other application software programs and utilities. Needs to be capable of complex problem analysis, and resolution activities in the areas of UNIX and IBM communication interface and protocols. Requires a bachelor's degree in computer science. Five years of relevant experience may be substituted for the degree.

3.1.7 Sun/UNIX System Administration Specialist (SENIOR SYSTEM SPEC.)

Requires an advanced knowledge of Sun/OS and Sun Solaris operating systems, kernel configuration, and I/O subsystems to include peripherals. Must be versed in the management and operation of the Sun hardware suite. Must be capable of installing, configuring, operating, customizing, and maintaining the Sun hardware, standard software programs and utilities, and third party vendor software products. Must be familiar with user administration, security, management, and performance monitoring techniques and procedures. Requires advanced programming skills in "C", NFS, NIS, PERL, SALT, shell, and various other application software programs and utilities. Must be familiar with the physical and logical LAN environment and be capable of working cooperatively with Network Analyst and other personnel to conduct problem analysis and resolutions. Must have knowledge of AF, DOD, and commercial network and application protocols and standards. Requires a bachelor's degree in computer science. Five years of experience may be substituted for the degree.

3.1.8 Novell/Win95 System Administration (PROGRAMMER)

Requires an in-depth knowledge of Novell Network Operating System (NOS, version 4.1 or higher) including, but not limited to, file structures, security, network interfaces, configuration parameters, tuning measures, and performance standards. Must be capable of installing, implementing, and configuring Server and Client-based applications by defining and customizing user operational environments. Must be familiar with the physical and logical LAN environment and be capable of working cooperatively with Network Analyst and other personnel to conduct problem analysis and resolutions. Must have knowledge of AF, DOD, and commercial network and application protocols and standards. A bachelor's degree in computer science or related field with one year

experience with Novell 4.1 or higher is required. Three years of relevant experience and a Novell Certified Netware Engineer (CNE) in 4.1 or higher may be substituted for the degree requirements.

3.1.9 Network Help Desk Manager (OA PROGRAMMER)

Requires network experience and an understanding of the networking and problems involved with a worldwide network including a local office automation environment. Must have experience in resolving the day to day problems of system users relative to networking, printer support, office automation support, and hardware and software requirements required for connectivity. Must have a bachelor's degree in computer science or a related field with a minimum of two years experience. Two additional years of experience may substitute for the educational requirements.

3.2. Personnel Management (OFFICE AUTOMATION SPECIALIST)

The contractor shall be responsible for selecting personnel that meet, as a minimum, the qualifications specified in Statement of Work paragraph 3.1, Skills Required (Minimum).

3.2.1 The contractor shall select, supervise, and exercise control and direction over its employees under this contract. The contractor shall not supervise, direct or control the activities of Air Force personnel. The contractor shall provide all necessary administrative and other support to its employees.

3.2.2 The contractor shall do everything possible to ensure continuity of effort by using the same personnel throughout the period of the contract. If personnel must be replaced, the successor to the position must have a minimum of 2 weeks to work, on site, simultaneously with the departing person to learn the required duties and networking environment necessary to ensure that no lapse or decrease in support to the AFSAC is experienced. The total cost of this overlap and any additional training required will be borne completely by the contractor.

3.2.3 The contractor shall provide the categories of personnel with the minimum education and experience described above to perform the functions as described herein. The requirements above represent the minimum acceptable qualifications for contractor personnel to perform on this contract within the listed category. The contractor shall also be responsible for submitting to the Government all new resumes for any personnel that are being replaced.

3.2.4 The contractor shall ensure that all personnel employed in support of this contract shall either have or be eligible for SECRET clearance prior to reporting for on-site duty. DD Form 254 will be required for each personnel requiring a clearance.

3.3 Workload

The contractor shall be able to simultaneously manage and perform multiple tasks.

4.0 GOVERNMENT FURNISHED RESOURCES

4.1. Facilities, Supplies and Services

4.1.1. Place of Performance

All contractor support will be located in Building 89, Area C, Wright Patterson AFB, Dayton, OH. The government will provide workspace for all contractor personnel. This will include workspace, office equipment and supplies, telephone access, and access to the mainframe via terminal or PC with the exception of those personnel performing work on task orders for AFSAC's FMS customers.

5.0 ADMINISTRATIVE CONSIDERATIONS

5.1 Hours of Work

The contractor shall provide coverage at the specified government site during 0630-1800 hours with core hours being 0800-1700, Monday through Friday, excluding official Government-approved holidays.

5.1.1 The government-furnished resources identified in 4.1.1 above may be obtained between 0630-1800 hours, with core hours being 0800-1700, Monday through Friday, excluding official Government-approved holidays.

5.2 Relationships

Technical guidance will come from AFSAC's IT development division (ITD) or PCNet/OA personnel. Contractor personnel may be required to work with other contractor personnel working in other areas and on other projects throughout the AFSAC.

5.3 Travel

Any of the assigned contracted staff may be required to travel in support of AFSAC's IT development division (ITD), PCNet/OA and FMS customer system's requirements. Contractors shall submit all requests, with justification, to the contracting officer. Approval must be received from the contracting office before travel may occur.

5.4 Security and Privacy

Any records and data or information the contractor may have access to may be sensitive. The contractor shall not divulge any information about AFSAC files, data processing activities or functions, user IDs, passwords, or any other knowledge to anyone who is not authorized to have access to such information.

5.5 Computer Access

5.5.1 If the contractor requires access for his employees to Government owned computers, the contractor shall prepare a request for a National Agency Check (NAC). This request shall be processed through the AFSAC Security Manager. The proposed employees must be U.S. citizens and speak and read English.

5.5.2 The contractor shall ensure employees do not reveal their passwords to anyone. The obligation to enforce this requirement is a material element of the security requirement herein.

5.5.3 The contractor shall notify the PCO within three working days of the employee's termination from work on the contract.

5.5 Points of Contact

5.5.1 AFSAC/PKM
1822 Van Patton Drive
Wright-Patterson AFB OH 45433-5332
Attn: Mr. Jeffery Smith (PCO), (937) 257-7298, Extension 4096

5.5.2 AFSAC/OMFR
5490 Pearson Road
Wright-Patterson AFB OH 45433-5332
Attn: Ms. Paula Scott, (937) 257-3013, Extension 4591

5.5.3 AFSAC/ITI
5490 Pearson Road
Wright-Patterson AFB OH 45433-5332
Attn: Ms. Jo Dixon, (937) 257-6031, Extension 4541

APPENDIX A

DATA ITEM DESCRIPTION (DID) LIST

<u>DID TITLE</u>	<u>DID NUMBER</u>	<u>CDRL NUMBER</u>
Contractor's Progress, Status, and Management Report	DI-MGMT-80227	A001
Project Planning Chart	DI-MGMT-80507A	A002
Computer Operations Manual (OM) Document for Automated Information System (AIS)	DI-IPSC-80695	A003
Technical Report - Study/Services	DI-MISC-80508	A004
Functional Description (FD) Document For Automated Information Systems (AIS)	DI-IPSC-80689	A005
System/Subsystem Specification (SSS) Document for Automated Information System (AIS)	DI-IPSC-80690	A006
Test Reports	DI-MISC-80653	A007
Maintenance Manual (MM) Document For Automated Information Systems (AIS)	DI-IPSC-80696	A008
Presentation Material	DI-A-3024A	A009
Instructional Media Package	DI-ILSS-81092	A010

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE J - FFP	PAGE OF PAGES 1 of 9
2. AMENDMENT/MODIFICATION NO. P00011		3. EFFECTIVE DATE 26 SEP 2002	4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO. (if applicable)
6. ISSUED BY AFSAC/ PKP CODE		FA8630	7. ADMINISTERED BY (if other than Item 6) CODE		FA8630
AFSAC PK AREA C BLDG 210 1822 VAN PATTON DR WRIGHT PATTERSON AFB OH 45433-5337 JAMES E. WILSON (937) 257-7238 X4083 James.Wilson1@wpafb.af.mil		AFSAC PKP AREA C BLDG 210 1822 VAN PATTON DR WRIGHT-PATTERSON AFB OH 45433-5337			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				9A. AMENDMENT OF SOLICITATION NO.	
SOPHISTICATED SYSTEMS INCORPORATED 551 2191 CITYGATE DRIVE COLUMBUS OH 43219 (614) 410-4600					
Date Mailed 27 SEP 2002				9B. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO. F33800-99-C-0089	
				10B. DATED (SEE ITEM 13) 01 OCT 1999	
CODE 0V294	FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended, as set forth in item 14. The hour and date specified for receipt of offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:					
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (if required) SEE SCHEDULE					
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
<input type="checkbox"/> A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A. <input type="checkbox"/> B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 48.103(b). <input checked="" type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Public Law 105-85, 10 U.S.C. 2410a <input type="checkbox"/> D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the acquiring office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SUBJECT: Contract Restructure And To Realign the Period of Performance CHANGE IN PRICE: \$409,115.04 CHANGE IN OBLIGATION: \$409,115.04					
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print) Shenê Commodore, Contracts Mgr.			16A. NAME AND TITLE OF SIGNER (Type or print) JOHN K. BACK Contracting Officer		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED 26 Sep 02	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED 26 SEP 02
 (Signature of person authorized to sign)			BY  (Signature of Contracting Officer)		

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30-105

STANDARD FORM 30 (REV 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

A. SUBJECT: Pursuant to Public Law 105-85 10 U.S.C. 2410a, and the General Contract Provision entitled "Changes" clause 52.243-1 of Section I, the above numbered numbered contract is amended to definitize agreements which have been mutually agreed to by both parties regarding the following items set forth below. This change will result in the following: realign the period of performance from 30 September 2002 to 31 January 2003; add the revised/negotiated Options for Years 3 and 4; and incorporate the revised Statement of Work entitled "COMMUNICATIONS/COMPUTER SERVICES TO THE INFORMATION TECHNOLOGY DIRECTORATE AIR FORCE SECURITY ASSISTANCE CENTER (AFSAC/SDI)" dated 16 September 2002.

B. CHANGE IN PRICE: Net Increase of \$409,115.04.

C. As a result of paragraph A above, the subject contract is more specifically changed as follows:

1. SECTION A

The amount for "Total Award Amount" (page 1 of block 15, block 24) is changed from \$4,058,360.43 to \$4,467,475.47.

2. SECTION B - Supplies/Services line item data:

Amend the contract, by deleting Option CLINs 0010 thru 0015 and adding CLINs 0017, 0018, 0019, 0020, and 0021 as follows:

ITEM	SUPPLIES OR SERVICES	Qty	Unit Price
		Purch Unit	Total Item Amount
0010	OPTION CLIN		
	<i>Noun:</i>	NON-PERSONAL SERVICES (COMMUNICATION/COMPUTER SERVICES)	
	<i>MSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	J - FIRM FIXED PRICE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>	BY MUTUAL AGREEMENT OF BOTH PARTIES, THIS OPTION IS DELETED IN IT'S ENTIRETY	

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
------	----------------------	-------------------	---------------------------------

0011 OPTION CLIN

Noun: DATA
Total Quantity: 0
Total Item Amount: \$0.00
NSN: N - Not Applicable
DD1423 is Exhibit: A
Contract type: J - FIRM FIXED PRICE
Inspection: DESTINATION
Acceptance: DESTINATION
FOB: DESTINATION
Descriptive Data:
 BY MUTUAL AGREEMENT OF BOTH PARTIES, THIS OPTION IS DELETED IN IT'S ENTIRETY.

0012 OPTION CLIN

Noun: TRAVEL EXPENSES
Total Quantity: 0
Total Item Amount: \$0.00
NSN: N - Not Applicable
Contract type: S - COST
Inspection: DESTINATION
Acceptance: DESTINATION
FOB: DESTINATION
Descriptive Data:
 BY MUTUAL AGREEMENT OF BOTH PARTIES, THIS OPTION IS DELETED IN IT'S ENTIRETY.

0013 OPTION CLIN

Noun: NON-PERSONAL SERVICES
 (COMMUNICATION/COMPUTER SERVICES)
Total Quantity: 0
Total Item Amount: \$0.00
NSN: N - Not Applicable
Contract type: J - FIRM FIXED PRICE
Inspection: DESTINATION
Acceptance: DESTINATION
FOB: DESTINATION
Descriptive Data:
 BY MUTUAL AGREEMENT OF BOTH PARTIES, THIS OPTION IS DELETED IN IT'S ENTIRETY.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0015	OPTION CLIN		
	<i>Noun:</i>	TRAVEL EXPENSES	
	<i>Total Quantity:</i>	0	
	<i>Total Item Amount:</i>	\$0.00	
	<i>NSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	J - FIRM FIXED PRICE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>	BY MUTUAL AGREEMENT OF BOTH PARTIES. THIS OPTION IS DELETED IN ITS ENTIRETY.	

NON-PERSONAL SERVICES

0017	CLIN Establish	4 Months	\$102,278.76 \$409,115.04
	<i>Noun:</i>	CONTRACTOR SUPPORT FOR COMMUNICATION/COMPUTER SERVICES	
	<i>ACRN:</i>	All	
	<i>NSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	J - FIRM FIXED PRICE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>	NON-PERSONAL SERVICES WHEREBY THE CONTRACTOR SHALL PERFORM COMMUNICATION/COMPUTER SERVICES FOR FY 03 IN ACCORDANCE WITH THE REVISED STATEMENT OF WORK, ATTACHMENT 4, DATED 16 SEPTEMBER 2002 AND PURSUANT TO PI 105-85.	

0018	OPTION CLIN		
	<i>Noun:</i>	OPTION YEAR 3 NON-PERSONAL SERVICES (COMMUNICATIONS/COMPUTER SERVICES)	
	<i>NSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	J - FIRM FIXED PRICE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>	NON-PERSONAL SERVICES WHEREBY THE CONTRACTOR SHALL PERFORM COMMUNICATION/COMPUTER SERVICES FOR FY 03 IN ACCORDANCE WITH THE REVISED STATEMENT OF WORK, ATTACHMENT 4, DATED 16 SEPTEMBER 2002 FUNDED BY AFSAC/SDI AT THE TOTAL LABOR PRICE OF \$1,227,345.16 (\$102,278.76 X 12 MONTHS) FROM 01 FEBRUARY 2003 THRU 31 JANUARY 2004.	

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0019	RESERVED CLIN		
	<i>Noun:</i>	TRAINING	
	<i>NSN:</i>	N - Not Applicable	
	<i>Descriptive Data:</i>	THE CONTRACTOR SHALL BE REIMBURSED FOR TRAINING EXPENSES INCURRED IN PERFORMANCE OF THIS SERVICE IN FY 03, WHERE APPLICABLE.	
0020	OPTION CLIN		
	<i>Noun:</i>	OPTION YEAR 4 NON-PERSONAL SERVICES (COMMUNICATIONS/COMPUTER SERVICES)	
	<i>NSN:</i>	N - Not Applicable	
	<i>Contract type:</i>	J - FIRM FIXED PRICE	
	<i>Inspection:</i>	DESTINATION	
	<i>Acceptance:</i>	DESTINATION	
	<i>FOB:</i>	DESTINATION	
	<i>Descriptive Data:</i>	NON-PERSONAL SERVICES WHEREBY THE CONTRACTOR SHALL PERFORM COMMUNICATION/COMPUTER SERVICES IN ACCORDANCE WITH THE REVISED STATEMENT OF WORK, ATTACHMENT 4, DATED 16 SEPTEMBER 2002 FUNDED BY AFSAC/SDI FOR FY 04 AT A TOTAL PRICE OF \$1,270,302.25 (\$105,858.52 X 12 MONTHS) FROM 01 FEBRUARY 2004 THRU 31 JANUARY 2005.	
0021	RESERVED CLIN		
	<i>Noun:</i>	TRAINING	
	<i>NSN:</i>	N - Not Applicable	
	<i>Descriptive Data:</i>	THE CONTRACTOR SHALL BE REIMBURSED FOR TRAINING EXPENSES INCURRED IN PERFORMANCE OF THIS SERVICE IN FY 04, WHERE APPLICABLE.	

3. SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT.

Amend Section C to incorporate the revised Statement of Work, Attachment 4 entitled "COMMUNICATIONS/COMPUTER SERVICES TO THE INFORMATION TECHNOLOGY DIRECTORATE AIR FORCE SECURITY ASSISTANCE CENTER (AFSAC/SDI)" dated 16 September 2002.

4. SECTION F - DELIVERIES OR PERFORMANCE:

Amend clause F-12, the "PERIOD OF PERFORMANCE" on page 7, to incorporate the following schedule:

The period of performance under CLIN 0017 shall be for 01 Oct 2002 thru 31 Jan 2003.

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0017		4	FA2310	FA2310		24 Sep 2002

Noun:

**CONTRACTOR SUPPORT FOR
COMMUNICATION/COMPUTER SERVICES
AH**

ACRN:

Descriptive Data:

The period of performance under CLIN 0017 shall be for 01 Oct 2002 thru 31 Jan 2003.

5. SECTION G - CONTRACT ADMINISTRATION/PAYMENT DATA:

In accordance with contract clause I-546, 52.243-1 Changes - Fixed Price, Contract F33600-99-C-0089 will be changed to increase the total award amount, thus increasing the total obligated amount.

- a. **Modify and ADD** to clause G-1, Accounting and Appropriation Data the following:

ACRN	Appropriation/Lmt Subhead/Supplemental Accounting Data	Obligation Amount
AH	ACRN Change 9711 X8242 AL62 4A2 47M1 0ADM00 1P126P 58200 000000 503000 F 03000	+\$409,115.04
	New ACRN Amount: \$449,773.04	
	Funding breakdown: On CLIN 0017: +\$409,115.04	
	PRIMIPR: GSCA017100078-PARTIAL \$409,115.04	

- b. The amount for "Total Award Amount" (Page 1 of 15, block 24) is changed from \$4,058,360.43 to \$4,467,475.47.

- c. Amend Section G, payment instructions entitled "G001 PAYMENT INSTRUCTIONS FOR MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS" as follows:

Payment for all effort under this contract should be made in the and amounts show in the CLIN(s) and informational Info SubCLIN(s) in Section B, of the contract and recapped below.

ACRN	CLIN/Info SubLine NO.	TOTAL OBLIGATED
AA	0001, 0002, 0003	\$1,174,724.00
AB	0004, 0005, 0006	1,274,588.00
AC	0004,	84,280.32
AD	001601, 001603	41,561.92

AE	001602	
AF	0007, 0008, 0009	91,989.63
AG	001603	1,325,260.00
AH	001604, 0017	13,552.80
AJ	001605	449,773.54
	TOTAL	<u>25,298.56</u> \$4,467,475.47

6. SECTION H - SPECIAL CONTRACT REQUIREMENTS:

Section H, Special Contract Requirements is amended by adding clause H-001, entitled "Options".

The following clause is added to Section H:

H001 OPTIONS (May 1997)

a. These options may be exercised in whole or in part by contract modification from the Contracting Officer to the contractor in accordance with the procedures and prices set forth below. In the event an option is exercised, the affected sections of the contract, e.g., Section B, Section F, Section G, etc., will be modified as appropriate.

b. The options are as follows:
Options consist of CLINs 0018 & 0020.

c. Option Exercise:
Option may be exercised by the Contracting Officer (CO) by contract modification to the contractor on/before 31 Jan 03.

d. Delivery: Delivery/Performance shall be as set forth below:

Option	Complete
CLIN 0018 (Year 3)	31 Jan 04
CLIN 0020 (Year 4)	31 Jan 05

e. Prices: Prices shall be as set forth below:

Option	Price/Contract Type
CLIN 0018 (Year 3)	\$1,227,345.16/FFP
CLIN 0020 (Year 4)	\$1,270,302.25/FFP
<end of clause>	

7. SECTION I - CONTRACT CLAUSES:

The following clauses is changed in Section I:

FAR 52.222-42 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES (May 1989)

Employee Class and Monetary Wage	Fringe Benefits:
PC PROGRAMMER	\$20.58
COMPUTER SYSTEMS ANALYST	\$27.62

THIS STATEMENT IS FOR INFORMATION ONLY: IT IS NOT A WAGE DETERMINATION

8. SECTION J - EXHIBITS/ATTACHMENTS AND OTHER DOCUMENTS

Section H, Special Contract Requirements is amended as follows:

a. *The following attachment/exhibit(s) are modified in Section J:*

Attachment 3 ACCOUNTING SUMMARY FOR CONTRACT F33600-99-C-0089

b. *The following attachment/exhibit(s) are added to Section J:*

Attachment 4 STATEMENT OF WORK COMMUNICATIONS/COMPUTER SERVICES TO THE INFORMATION TECHNOLOGY DIRECTORATE AIR FORCE SECURITY ASSISTANCE CENTER (AFSAC/SDI)

9. Except as provided herein, all other terms and conditions of the subject contract remain unchanged and in full force and effect.

LIST OF ATTACHMENTS

<u>DOCUMENT</u>	<u>PGS</u>	<u>DATE</u>	<u>TITLE</u>
ATTACHMENT 3	1	24 SEP 2002	ACCOUNTING SUMMARY FOR CONTRACT F33600-99-C-0089
ATTACHMENT 4	13	16 SEP 2002	STATEMENT OF WORK COMMUNICATIONS/COMPUTER SERVICES TO THE INFORMATION TECHNOLOGY DIRECTORATE AIR FORCE SECURITY ASSISTANCE CENTER (AFSAC/SDI)

Contract F33600-99-C-0089

DATE ISSUED	DOCUMENT	SUBJECT	CLINS	ACCOUNTING CLASS	ACRN	TOTAL
1. 01/12/2000	BASEIC	Initial Award	0001, 0002	9711X8242 ALBZ 442 47M1 OADN00 1P12SP 93299 000200 503000 ESP: SV	AA	\$ 1,075,248.00
2. 04/26/2000	PC0001	Add Systems Programmer	0201	9711X8242 ALBZ 442 47M1 OADN00 1P12SP 58299 200000 503000 ESP: SV	AA	\$ 166,478.00
3. 06/21/2000	PC0002	Exercise Option Year 1		PAR 32,928-19 Availability of Funds Change - Funds were not available at the time of option exercise.		\$ -
4. 09/29/2000	PC0003	Remove Of Business Spending	0003	9711X8242 ALBZ 442 47M1 OADN00 1P12SP 15200 000000 503000 ESP: SV	AA	\$ 17,500.00
5. 10/16/2000	PC0004	On year Fund For Option Year 1	0004, 0205	9711X8242 ALBZ 441 47M1 OADN00 1P12SP 58299 000000 503000 ESP: SV	AB	\$ 1,129,200.00
6. 04/28/2001	PC0005	Add Additional Funds	0005	9711X8242 ALBZ 441 47M1 OADN00 1P12SP 58299 000000 503000 ESP: SV	AB	\$ 145,248.00
7. 09/11/2001	PC0006	Add Service Level Programmer (F-20S II)	0006	9711X8242 ALBZ 442 47M1 OADN00 1P12SP 58299 000000 503000 ESP: SV	AC	\$ 24,280.32
8. 10/24/2001	PC0007	Correction Option Year 1, Add Service Level Programmer & Admin. Chicago	0007, 0008	9711X8242 ALBZ 442 47M1 OADN00 1P12SP 58299 200000 503000 ESP: SV	AC	\$ 4,205,260.00
			091672	9711X8242 ALBZ 442 47M1 OADN00 1P12SP 58299 200000 503000 ESP: SV	AD	\$ 26,029.12
			091672	9711X8242 ALBZ 442 47M1 OADN00 1P12SP 58299 200000 503000 ESP: SV	AE	\$ 81,989.65
9. 02/12/2002	PC0008	Correction of Error in Admin. Chicago for PC0007	0008	9711X8242 ALBZ 442 47M1 OADN00 1P12SP 58299 000000 503000 ESP: SV	AE	\$ 1,325,266.00
10. 04/30/2002	PC0009	Revised Fee For Performance Fee Scaled Level Program	0009	9711X8242 ALBZ 442 47M1 OADN00 1P12SP 58299 200000 503000 ESP: SV	AF	\$ 13,582.80
11. 07/24/2002	PC0010	Revised Period Of Performance For Scaled Level Program	0010	9711X8242 ALBZ 442 47M1 OADN00 1P12SP 58299 200000 503000 ESP: SV	AF	\$ 40,618.00
12. 09/16/2002	PC0012	Add a New Contract ACRN		9711X8242 ALBZ 442 47M1 OADN00 1P12SP 58299 000000 503000 ESP: SV	AG	\$ 25,298.50
13. 09/28/2002	PC0011	Reschedule On Contract Options	0011	9711X8242 ALBZ 442 47M1 OADN00 1P12SP 58299 000000 503000 ESP: SV	AG	\$ 499,115.04

Note: Changed to add a new contract ACRN
 - Formerly ACRN "AG" under option
 - Formerly ACRN "AG" under option
 - Formerly ACRN "AG" under option

TOTAL CONTRACTS \$ 4,667,475.47

STATEMENT OF WORK

**COMMUNICATIONS/COMPUTER SERVICES
TO THE
INFORMATION TECHNOLOGY DIRECTORATE
AIR FORCE SECURITY ASSISTANCE CENTER
(AFSAC/SDI)**

CONTRACT F33600-99-C-0099

16 SEPTEMBER 2002

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Appendix A – Skill Category Descriptions and Qualifications

1. SCOPE AND MISSION

1.1 Scope of Work

The contractor shall provide all personnel and supervision necessary to perform all communication and computer services as defined in this Statement of Work (SOW). The contractor shall provide all necessary services to support the Air Force Security Assistance Center's various information management systems, including commercial and government unique applications/systems.

1.2 Mission

The Air Force Materiel Command (AFMC) Air Force Security Assistance Center (AFSAC) has a requirement to obtain systems engineering and technical assistance for an Automated Data Processing (ADP) system and associated networks which process Security Assistance data in support of the Foreign Military Sales (FMS) mission. To accomplish this mission, AFMC/AFSAC has implemented SAMIS, an interactive data processing system and established, office automation Local Area Network (LAN), and a World Wide Web environment. SAMIS and the LAN provide government personnel immediate access to information used to manage the purchase and support of military equipment and supplies by foreign governments.

1.3 Documents

The contractor shall comply with Air Force Instruction Series 33. The contractor shall adhere to applicable standards, regulations, directives, instructions, pamphlets, and their supplements (e.g., security, safety, communication-computer) in effect during the performance of this contract. Special emphasis shall be placed on compliance with USAF, AFMC, AFSAC, and WPAFB standards and architectures. Prior approval for deviation from these documents shall be obtained through the Contracting Officer.

Relevant documents and information may be found at the following web sites:

<http://afpubs.hq.af.mil/pubs/publist.asp?puborg=AF&series=33>

<http://www.afmc-mil.wpafb.af.mil/HQ-AFMC/SC/scd/scdp/c4policy/>

<http://www.asc.wpafb.af.mil/abw/cg/>

1.4 ADP/Telecommunications Environment

1.4.1 Hardware

AFSAC currently operates and maintains its own Local Area Network (LAN). The AFSAC LAN is engineered around Microsoft Compaq servers running 4.X; and Sun Sparc servers running SunOS 4.1.3, Solaris 2.5, and 2.6; all networked together via Fast Ethernet and fiber connections. The LAN backbone is comprised of CISCO hubs and smart switches connecting approximately 600 individual ports together using Virtual LAN (VLAN) technology. The AFSAC uses Pentium based PCs, and NT file servers, Sun Sparc stations, CISCO hubs and switches, and other communication devices to provide internal Office Automation (OA) and worldwide communications capabilities. The NT servers provide access to OA software, data storage and retrieval, print and file server functionality, data/user security, etc. The Sparcs provide TN3270 terminal emulation, World Wide Web (WWW) access, Web Hyper-Text Markup Language (HTML) and Java development, Oracle database capabilities, email, or other communication requirements.

1.4.2 Software

The network management system uses WIN2000 layered with Cisco Works for Switched Inter-networks (CWSI) to provide proactive monitoring of network trends and statistics. Software (i.e., Microsoft (MS) Power Point, Word, Excel, Access, Windows 2000, provide much of the OA support to the users. MS Windows 2000 is the standard Graphical User Interface (GUI) software. MS Word is the common word processor. MS/Outlook presently provides mail-handling support. Secure Web Access (SWA) provides users access to the Security Assistance Management Information System (SAMIS) mainframe computer located at Tinker AFB, Oklahoma.

1.4.3 Communications Protocols

Communications protocols include simple Network Management Protocol (SNMP), Transmission Control Protocol/Internet Protocol (TCP/IP), Fast Ethernet, X.400, X.500, and SMTP. The Network General Sniffer LAN analyzer is used to collect system performance and operational statistical data.

1.4.4 Operating Systems

Operating systems include WINDOWS 2000, AIX 4.2.1, Solaris 2.5 and 2.6, and SunOS 4.1.3 with a growth potential to versions greater than these specified.

2. TECHNICAL SERVICES REQUIRED

2.1 Site Management

2.1.1 On-Site Administrator

The contractor shall provide an on-site administrator who performs duties including:

2.1.1.1 The Site Administrator will conduct all contractor personnel staff administration of contractor personnel staff policies and procedures.

- The Site Administrator shall coordinate all assignments with contractor personnel staff in accordance with government-approved priorities and government authorized workload. The Site Administrator shall require that contractor staff personnel coordinate all assignments back to the Site Administrator. The Site Administrator shall coordinate with the COTR or designated technical representative(s) any adjustments deemed necessary in workload assignments. The SDI technical representative will provide major project assignments requiring decision analysis directly to the site administrator.

2.1.1.2 The Site Administrator shall assure all performance requirements defined within this SOW and the contract, including agree upon workload objectives to be defined jointly by the government and contractor, are documented in the ARS, PRS, SPR, OSPR, or agreed upon tracking systems. The contractor shall provide resource estimates for each project for which such estimates are requested and provide project tracking and management for each project for which project tracking and management is requested by the government.

2.1.1.3 The Site Administrator shall provide monthly activity report including project status, workload scheduling, training status, and other information to ensure AFSAC/SDI has insight into all significant contractual activities. The monthly report is due by the 15th of the following month.

2.1.1.4 The Site Administrator shall assure government satisfaction with the contractor's performance by working closely with the SDI representative to identify and initiate the actions needed to resolve issues related to Government satisfaction.

2.1.2 Contractor Personnel Qualifications

The contractor shall provide personnel who at a minimum meet the skills listed in Attachment Appendix A, Skill Category Descriptions and Qualifications.

2.1.3 Contractor Personnel Training

Contractor personnel shall have sufficient training and experience to perform the required duties. Technical education of contractor personnel required to fulfill the basic tasks of the contract shall be the contractor's responsibility and shall not be funded by the Government. Training at the Government's expense may only be considered for those systems/equipment and/or services that are added to a task during its performance, or that are not similar to the systems/equipment and services already covered by the contract, or that are unique to the WPAFB environment and not common in the marketplace. Training shall be planned and executed in accordance with the jointly agreed to training plan. The plan will be a living document to keep focus on the

changing needs of the government and the changing market supply of training options. Updates will be documented in accordance with changes agreed upon by the government and the contractor. All requests for training at Government expense shall be submitted to the Contracting Officer's Technical Representative (COTR) and the Contracting Officer for consideration for approval/disapproval prior to the training.

2.1.4 Training Documentation.

The contractor will maintain monthly documentation of the training completed for each employee, including but not limited to the amount of training hours, type of training, date and location of training, and name of the instructor.

2.2 Project Planning and Decision Analysis Management

The contractor's on-site administrator will coordinate with the Government the identification, assignment, and prioritization for each project that requires decision analysis. These analyses will be fully documented and reported to the SDI technical representative.

All intellectual property developed by the contractor is the property of the Government.

The government only needs to obtain access to data needed in support of the contract. (Thereby relinquishing other technical data/software to the contractor for private use.)

2.2.1 Project Tracking

The Government and the contractor will jointly agree to a project tracking process including plan template, milestone schedule tracking and reporting. In the event government procured equipment to be installed by the contractor for use by the government does not meet delivery schedule, or is anticipated to not be suitable for use upon arrival, the contractor will be responsible for notifying the government representative of the delay caused to projected schedules or work to be performed.

2.2.2. Decision Analysis for Identified Projects

The contractor shall prepare and submit a decision analysis for each project that has been identified to the site administrator. The decision analysis will consist of typical front-end systems analysis, research, alternatives, objectives, adverse consequences, potential problems, prevention and contingency options, and recommendations.

2.3 Personnel Assignment

When contractor personnel are going to be unavailable, the contractor shall notify the COTR task manager immediately. All annual leave should be scheduled at least a week in advance where possible to allow for task scheduling adjustments. For extended periods of absence that will have a negative impact on project schedules, the contractor will supply backup personnel to fill the position until the absent contractor returns to work.

The contractor shall perform all tasks required to support the users of all client workstations attached to the AFSAC LAN, including, but not limited to, personal computers, printers, modems, CD-ROM drives, PDAs, docking stations, audio visual equipment, laptops, etc. The contractor shall document all monthly activity and

progress. These tasks include, but are not limited to, hardware troubleshooting and repair, Commercial Off-The Shelf (COTS) software support and Government Off-The Shelf (GOTS) software support, hardware or software installations and upgrades, printer configurations, and other associated types of support.

3. SERVICE DELIVERY SUMMARY

3.1 Service Delivery Summary Matrix

trix ber	Performance Objective	Performance Threshold	Monitoring Method QASP
	Information Assurance: No intrusions based on known or existing TCNO vulnerabilities.	All external TCNO due dates are met. Majority of internal suspense dates are met.	Government tracking system
	Currency: Contractor employees shall maintain currency on AFSAC's various information systems	Training meets jointly agreed upon goals in AFSAC/SID and SSI Training Plan	Contractor Audit and Reporting
	Decision Analysis	Documented recommendations IAW agreed upon project format agreed upon during the planning phase of each project.	Contractor reports
	Project Planning, Prioritization, scheduling, tracking, and on-time completion	Jointly identified and authorized contractor projects are completed on time based on agreed upon goals.	Contractor reports
	Network Maintenance	Minimal Disruption	Customer complaints
	Client Support	Provide client support 10.5 hours per day, per work week	Customer complaints

3.2. Data Deliverables

All data associated with tasks in this SOW will be maintained and available in electronic format to the COTR. Data format and content will be consistent with applicable AFSAC instructions and guidelines.

4. GOVERNMENT FURNISHED RESOURCES

4.1 Place of Performance

All contractor personnel will be provided workspace in building 89 or 210, Area C, Wright Patterson AFB, Dayton, OH. Contractor personnel will occasionally be directed by the COTR to work on a temporary basis at locations other than buildings 89 and 210.

4.2 Government-Furnished Equipment and Tools

Assigned workspace will include office equipment and supplies, telephone access, and access to the network and other systems as required.

GENERAL INFORMATION

5. ADMINISTRATIVE CONSIDERATIONS

5.1 Hours of Work

The contractor shall provide coverage in the technical support branch at the specified government place of performance from 0700-1700 hours with core hours in other branches being 0800-1700, Monday through Friday, excluding official Government-approved holidays.

5.1.2 Force Protection Delta Conditions

In the event the base declares force protection delta conditions, non-essential personnel may be told not to report to work. If contractor personnel are told not to report to duty, but to stay in the local area for recall if necessary, contractor employees are not required to make-up the time off.

5.2 Contractor Access

Contractor personnel will be provided swipe cards and 24 hour, seven day per week access to buildings 89 and 210. Contractor personnel performing assigned tasks after normal duty hours do not require a government escort.

5.3 Contracting Officer Technical Representative (COTR)

The COTR is responsible for ensuring contractor compliance with this SOW as defined in the Quality Assurance Surveillance Plan (QASP). Technical direction will come from the branch chief, or respective branch team leads.

5.4 Travel

Any of the assigned contractor staff may be required to travel, both local and distant, in support of contractual work requirements. Travel costs are reimbursable in accordance with FAR 31.205-46. Personal phone calls are not reimbursable. Items such as airfare, vehicle rental, mileage rates, and per diem allowances are reimbursable to the extent that they do not exceed the maximum rates in effect at the time of travel as set forth in the Federal Travel Regulations or Joint Travel Regulations (JTR). The contractor shall submit all requests, along with an estimate of proposed travel costs to the COTR and the contracting officer. Approval must be received from the COTR and the contracting officer before travel may occur.

5.5 Computer Access and Information Assurance

Access to unclassified government information systems requires at a minimum a National Agency Check IAW DoD 5200.2-R and successful completion of the Air Force Information Assurance Internet Based Training (IA IBT) program. For each contractor employee without a NAC, the contractor shall submit a cover letter with the attached completed paperwork (SF85P or SF86P worksheet, Fm 258 fingerprint card) and the disk to the AFSAC security manager (through the contracting officer). The NAC worksheet will be completed on the computer located in the security manager's office. The cover letter should contain sufficient employment information on the individual to serve as the basis for approval of a temporary waiver for computer access prior to NAC approval. The contractor shall not divulge any information about AFSAC files, data processing activities or functions, user IDs, or passwords to anyone who is not authorized to have access to such information.

5.6 Security Requirements

A Secret clearance is required before personnel are granted access to classified government information systems.

5.7 Points of Contact

5.7.1 Contracting Officer

AFSAC/PKP, Attn: John K. Back
1822 Van Patton Drive
Wright-Patterson AFB OH 45433-5332
(937) 257-7298 Extension 4082

5.7.2 Finance

AFSAC/SDFB, Attn: Ms. Diane Dressel
5490 Pearson Road
Wright-Patterson AFB OH 45433-5332
(937) 257-3013, Extension 4576

5.7.3 Contracting Officer Technical Representative (COTR)

AFSAC/SDIT, Attn: Rick Nooff
5490 Pearson Road
Wright-Patterson AFB OH 45433-5332
(937) 257-6031, Extension 4541

5.7.4 Security Manager

AFSAC/SDS, Attn: Margaret F. Wilmoth
1822 Van Patton Drive
Wright-Patterson AFB OH 45433-5332
(937) 257-8188 Extension 4339

APPENDIX A

Skill Category Descriptions and Qualifications

Network/System Administration

- Test, configure, customize, and integrate hardware, and software to maintain, expand or upgrade the AFSAC network infrastructure and associated hosts/components
- Provide technical recommendations, specifications and justifications for the procurement of hardware or software to enhance operational performance
- Participate in project planning, coordination and installation of software or hardware
- Attach, configure, analyze, and monitor tools used to verify, maintain, and optimize network and system performance and availability
- Diagnose and fix system/network hardware and software problems
- Install, troubleshoot, and repair infrastructure cabling used with the AFSAC's Local Area Network
- Report discrepancies to the HelpDesk for problem tracking (Action Request System) and resolution
- Facilitate problem resolution through contact with the appropriate vendor or local base communications groups
- Communicate with vendors and Government personnel regarding planned periods of AFSAC and other computer system(s) and network(s) unavailability
- Recommend and analyze software and hardware to support Functional Area technical requirements
- Invoke and ensure compliance with security directives by using firewalls, router access/deny lists, and setting file permissions and system access permissions.
- Comply with system and network security directives and monitor for attempts to obtain illegal access
- Solicit vendor assistance as required and provided under established maintenance agreements
- Perform system backups for all systems, application and user data/files
- Establish and maintain user system and mail accounts
- Develop and maintain documentation related to activity and progress on the following activities:
 - Planning, Testing, customization, integration, installation, and maintenance of system and network hardware and software
 - Post documentation of such actions in the Network Operations Guide, Site Logs, Operating Instructions Guide and the Action Request System as required. Electronic copies will be kept in the SDIT directory
- Instructions will be both general and specific enough to facilitate others in maintaining system and application software

Help Desk/Client Support

- Receive and log all problems reported by users
- Centralize and prioritize customer requests in the Action Request System (ARS)
- Track all problems to completion to ensure user satisfaction
- Update users on any negative operational status
- Train other support personnel in the roles and responsibilities of the help desk
- Aid in the resolution of Office Automation (OA) problems.
- Knowledge of printing processes to resolve user-printing problems
- Participation in planning and implementation processes associated with moves, reorganizations, and facility renovations
- Conduct hardware, software, and communications technology research
- Assist with the preparation and installation of cables, workstations, and printers

- Maintain sign-in/sign-out process for equipment, ensuring equipment is in proper working order, with appropriate software installed
- Provide client application software support
- Install, test, and document configuration of Commercial-Off-The-Shelf (COTS) and other client/server applications
- Post configuration documentation in the online SDIT directory, the Site Logs, and Action Request System
- Ensure client software is compatible with current AFSAC ADP hardware and software
- Awareness of all security directives governing the use of client hardware and software installation
- Report all security discrepancies to the technical branch chief or team lead

Functional Analysis

- Analyze customer needs and recommend automation solutions to satisfy user's requirements
- Document detailed requirement specifications and program status for each new/modified program in the official AFSAC requirement tracking system(s) (e.g. SPR/OSPR/Microsoft Project)
- Develop and maintain process data flows, help screens and user's guides for AFSAC developed applications
- Conduct functionality and customer acceptance testing for all developed software modules
- Validate software modules meet customer needs and satisfy requirement specifications
- Perform tasks required to support application development efforts associated with SAMIS or other AFSAC computer systems
- Recommend automation solutions that enhance the existing AFSAC development environment and future environments

Application Programming

- Develop and maintain custom, COTS, and GOTS applications in mainframe, client-server and web-based environments
- Develop all program modules, driver programs, scripts, and macros, using top-down design methodology and structured programming techniques
- Provide written and on-line (within-code) documentation for developed applications
- Test applications for data validity, adherence to established standards and security directives, performance, and customer satisfaction
- Update programs to correct errors or problems identified during testing and test programs until all specifications of the test plan have been met
- The executable software shall be error free, executable on the appropriate computer platform, and satisfy the functional requirements
- Document maintenance procedures for each program developed
- Instructions will be both general and specific enough to facilitate other programmers in program maintenance
- Maintain currency with changes in programming technology
- Share and transfer technical knowledge/lessons learned among AFSAC developers

Web Administration

- Support intranet and internet applications in multiple browser environments
- Ensure consistency and compatibility among web applications
- Maintain high awareness of proven web security practices
- Recommend/implement security solutions that support Base Information Assurance initiatives

- Assist Unix Administration by installing/configuring/troubleshooting web server software (e.g. iPlanet, Apache)
- Provide server side software support and expertise (e.g. Java 2 Enterprise Edition, Perl, Unix Script)
- Maintain currency with newly emerging web technologies
- Recommend, develop and implement effective technological solutions that support current and future AFSAC web initiatives