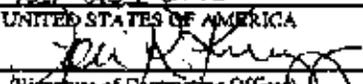


AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. P00013	3. EFFECTIVE DATE 21-Jul-2004	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (if applicable)
6. ISSUED BY 88 CONS/PMV POC: MADONNA HART 1943 A11 FARSON DR STE 3 WRIGHT PATTERSON AFB OH 45433-6700	CODE FA8601	7. ADMINISTERED BY (if other than item 6) DCMC-DAYTON (83M06A) 1726 VAN PATTON DRIVE, AREA C, BLDG 30 WRIGHT-PATTERSON AFB OH 45433-6302		CODE E3605A
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECTTECH SERVICES CORPORATION 326 REGENCY RIDGE COLUMBIANA OH 45426			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			X 10A. MOD. OF CONTRACT/ORDER NO. F33801-01-D-0001	
			10B. DATED (SEE ITEM 13)	
CODE 7W030			X 1B. Aug-2000	
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 Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
<p>Offer 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:</p> <p>(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 teletype (this attachment 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.</p>				
12. ACCOUNTING AND APPROPRIATION DATA (if required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.232-7 Payments Under Time and Materials and Labor Hours Contracts				
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 <u>1</u> copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Add Labor Categories Increase Contract Ceiling				
Except as provided herein, all terms and conditions of the document referenced in items 9A or 10A, as hereinafter changed, remain unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print) Maxine H. Orum, Board Chairman		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Louis R. Knapp, Lou.knapp@wpafb.af.mil TEL: 937-257-6145		
15B. CONTRACTOR OFFICER  (Signature of person authorized to sign)	15C. DATE SIGNED 29 Jul 2004	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 7/29/04	

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30.105-04

STANDARD FORM 30 (Rev. 10-81)
Prescribed by GSA
FAR (48 CFR) 53.243

Attachment 1

FIXED RATE CHART

CLIN 0004

LABOR CATEGORIES, FIRST SHIFT, REGULAR RATE

Contractor Assigned #	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FST TOTAL AMOUNT
0004 AA	ENGINEER V	Estimated	400	Hours	
0004 AB	COMPUTER SCIENTIST	Estimated	2,000	Hours	
0004 AC	PROGRAM MANAGER	Estimated	200	Hours	
0004 AD	SITE MANAGER	Estimated	4,000	Hours	
0004 AE	TEST ENGINEER IV	Estimated	40	Hours	
0004 AF	TEST ENGINEER III	Estimated	2,000	Hours	
0004 AG	TEST ENGINEER II	Estimated	2,000	Hours	
0004 AH	TEST ENGINEER I	Estimated	40	Hours	
0004 AJ	COMPUTER SYSTEM ANALYST III	Estimated	40	Hours	
0004 AK	ENGINEERING TECHNICIAN VI	Estimated	6,000	Hours	
0004 AL	ENGINEERING TECHNICIAN V	Estimated	12,000	Hours	
0004 AM	ENGINEERING TECHNICIAN IV	Estimated	6,000	Hours	
0004 AN	ENGINEERING TECHNICIAN III	Estimated	40	Hours	
0004 AP	MATERIAL REQUIREMENTS SPECIALIST	Estimated	2,000	Hours	
0004 AQ	ENGINEERING TECHNICIAN III	Estimated	500	Hours	
0004 AR	MATERIAL HANDLING LABORER	Estimated	500	Hours	
0004 AS	ACCOUNTING CLERK IV	Estimated	500	Hours	
TOTAL ESTIMATE			37,260		
OVERTIME RATE					
0004 XA	ENGINEER V	Estimated	10		
0004 XB	COMPUTER SCIENTIST	Estimated	40		
0004 XD	SITE MANAGER	Estimated	40		
0004 XE	TEST ENGINEER IV	Estimated	20		
0004 XF	TEST ENGINEER III	Estimated	40		
0004 XG	TEST ENGINEER II	Estimated	20		
0004 XH	TEST ENGINEER I	Estimated	10		
0004 XJ	COMPUTER SYSTEM ANALYST III	Estimated	10		
0004 XK	ENGINEERING TECHNICIAN VI	Estimated	60		
0004 XI	ENGINEERING TECHNICIAN V	Estimated	120		
0004 XM	ENGINEERING TECHNICIAN IV	Estimated	80		
0004 XN	ENGINEERING TECHNICIAN III	Estimated	10		
0004 XP	MATERIAL REQUIREMENTS SPECIALIST	Estimated	40		
0004 XQ	ENGINEERING TECHNICIAN III	Estimated	10		
0004 XR	MATERIAL HANDLING LABORER	Estimated	10		
0004 XS	ACCOUNTING CLERK IV	Estimated	10		
TOTAL OVERTIME ESTIMATE			530		
SECOND SHIFT: MON-FRI (1546 HRS THROUGH 2345 HRS)					
0004 DB	COMPUTER SCIENTIST	Estimated	40		
0004 DD	SITE MANAGER	Estimated	40		
0004 DE	TEST ENGINEER IV	Estimated	40		
0004 DF	TEST ENGINEER III	Estimated	40		
0004 DG	TEST ENGINEER II	Estimated	40		
0004 DH	TEST ENGINEER I	Estimated	40		
0004 DJ	COMPUTER SYSTEM ANALYST III	Estimated	40		
0004 DK	ENGINEERING TECHNICIAN VI	Estimated	40		
0004 DL	ENGINEERING TECHNICIAN V	Estimated	40		
0004 DM	ENGINEERING TECHNICIAN IV	Estimated	40		
0004 DN	ENGINEERING TECHNICIAN III	Estimated	40		
TOTAL SECOND SHIFT ESTIMATE			440		
THIRD SHIFT: MON-FRI (2330 HRS THROUGH 0730 HRS)					
0004 DD	SITE MANAGER	Estimated	40		
0004 DE	TEST ENGINEER IV	Estimated	40		
0004 DF	TEST ENGINEER III	Estimated	40		
0004 DJ	COMPUTER SYSTEM ANALYST III	Estimated	40		
0004 DK	ENGINEERING TECHNICIAN VI	Estimated	40		
0004 DL	ENGINEERING TECHNICIAN V	Estimated	40		
0004 DM	ENGINEERING TECHNICIAN IV	Estimated	40		
0004 DN	ENGINEERING TECHNICIAN III	Estimated	40		
TOTAL THIRD SHIFT ESTIMATE			320		

OPTION 3: 01 OCT 2003 - 30 SEP 2004

CONTRACT NUMBER F33601-01-DJ001

Attachment 1

FIXED RATE CHART

CLIN 0004

LABOR CATEGORIES, FIRST SHIFT, REGULAR RATE

Contractor Assigned #	DESCRIPTION		QUANTITY	UNIT	UNIT PRICE	EST. TOTAL AMOUNT
0004	MATERIALS	Estimated	1	LO		\$2,459,350.00
0004	HANDLING CHARGES % (IF APPLICABLE)					
0004	SUBCONTRACTING	Estimated	1	LO		\$443,000.00
0004	HANDLING CHARGES % (IF APPLICABLE)					
0004	TRAVEL (Cost Reimbursable Item) See Clause IB-423	Estimated	1	LO		\$20,000.00
0004	DATA *NSP = NOT SEPARATELY PRICED					*NSP
0004	GENERAL & ADMINISTRATIVE % (if applicable, see Clause H-588)					
ESTIMATED OPTION III TOTAL						\$4,585,110.80

Attachment 1

FIXED RATE CHART

CLIN 0005

LABOR CATEGORIES, FIRST SHIFT, REGULAR RATE

Contractor Assigned #	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EST. TOTAL AMOUNT
0005 AA	ENGINEER V	Estimated	400	Hours	
0005 AB	COMPUTER SCIENTIST	Estimated	2,000	Hours	
0005 AC	PROGRAM MANAGER	Estimated	200	Hours	
0005 AD	SITE MANAGER	Estimated	1,000	Hours	
0005 AE	TEST ENGINEER IV	Estimated	40	Hours	
0005 AF	TEST ENGINEER III	Estimated	2,000	Hours	
0005 AG	TEST ENGINEER II	Estimated	2,000	Hours	
0005 AH	TEST ENGINEER I	Estimated	40	Hours	
0005 AJ	COMPUTER SYSTEM ANALYST III	Estimated	40	Hours	
0005 AK	ENGINEERING TECHNICIAN VI	Estimated	6,000	Hours	
0005 AL	ENGINEERING TECHNICIAN V	Estimated	12,000	Hours	
0005 AM	ENGINEERING TECHNICIAN IV	Estimated	6,000	Hours	
0005 AN	ENGINEERING TECHNICIAN III	Estimated	40	Hours	
0005 AP	MATERIAL REQUIREMENTS SPECIALIST	Estimated	2,000	Hours	
0005 AQ	ENGINEERING TECHNICIAN III	Estimated	2,000	Hours	
0005 AR	MATERIAL HANDLING LABORER	Estimated	2,000	Hours	
0005 AS	ACCOUNTING CLERK IV	Estimated	2,000	Hours	

TOTAL ESTIMATE

36,760

OVERTIME RATE

0005 XA	ENGINEER V	Estimated	10		
0005 XB	COMPUTER SCIENTIST	Estimated	40		
0005 XD	SITE MANAGER	Estimated	40		
0005 XC	TEST ENGINEER IV	Estimated	20		
0005 XF	TEST ENGINEER III	Estimated	40		
0005 XG	TEST ENGINEER II	Estimated	20		
0005 XH	TEST ENGINEER I	Estimated	10		
0005 XJ	COMPUTER SYSTEM ANALYST III	Estimated	10		
0005 XK	ENGINEERING TECHNICIAN VI	Estimated	160		
0005 XL	ENGINEERING TECHNICIAN V	Estimated	120		
0005 XM	ENGINEERING TECHNICIAN IV	Estimated	80		
0005 XN	ENGINEERING TECHNICIAN III	Estimated	10		
0005 XP	MATERIAL REQUIREMENTS SPECIALIST	Estimated	40		
0005 XO	ENGINEERING TECHNICIAN III	Estimated	10		
0005 XR	MATERIAL HANDLING LABORER	Estimated	10		
0005 XS	ACCOUNTING CLERK IV	Estimated	10		

TOTAL OVERTIME ESTIMATE

500

SECOND SHIFT: MON-FRI (1545 HRS THROUGH 2345 HRS)

0005 DB	COMPUTER SCIENTIST	Estimated	40		
0005 DD	SITE MANAGER	Estimated	40		
0005 DE	TEST ENGINEER IV	Estimated	40		
0005 DF	TEST ENGINEER III	Estimated	40		
0005 DG	TEST ENGINEER II	Estimated	40		
0005 DH	TEST ENGINEER I	Estimated	40		
0005 DJ	COMPUTER SYSTEM ANALYST III	Estimated	40		
0005 DK	ENGINEERING TECHNICIAN VI	Estimated	40		
0005 DL	ENGINEERING TECHNICIAN V	Estimated	40		
0005 DM	ENGINEERING TECHNICIAN IV	Estimated	40		
0005 DN	ENGINEERING TECHNICIAN III	Estimated	40		

TOTAL SECOND SHIFT ESTIMATE

440

THIRD SHIFT: MON-FRI (2330 HRS THROUGH 0730 HRS)

0005 DD	SITE MANAGER	Estimated	40		
0005 DE	TEST ENGINEER IV	Estimated	40		
0005 DF	TEST ENGINEER III	Estimated	40		
0005 DJ	COMPUTER SYSTEM ANALYST III	Estimated	40		
0005 DK	ENGINEERING TECHNICIAN VI	Estimated	40		
0005 DL	ENGINEERING TECHNICIAN V	Estimated	40		
0005 DM	ENGINEERING TECHNICIAN IV	Estimated	40		
0005 DN	ENGINEERING TECHNICIAN III	Estimated	40		

TOTAL THIRD SHIFT ESTIMATE

320

OPTION 4: 01 OCT 2004 - 30 SEP 2005

CONTRACT NUMBER F33601 D1-DJ001

Attachment 1

FIXED RATE CHART

CLIN 0005

LABOR CATEGORIES, FIRST SHIFT, REGULAR RATE

Contractor Assigned #	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EST. TOTAL AMOUNT
0005	MATERIALS	Estimated	1 LO		\$1,000,000.00
0005	HANDLING CHARGES % (IF APPLICABLE)				
0005	SUBCONTRACTING	Estimated	1 LO		\$443,000.00
0005	HANDLING CHARGES % (IF APPLICABLE)				
0005	TRAVEL (Cost Reimbursable Item) See Clause IB-423	Estimated	1 LO		\$20,000.00
0005	DATA *NSP = NOT SEPARATELY PRICED				*NSP
0005	GENERAL & ADMINISTRATIVE % (if applicable, see Clause H-5678)				
	ESTIMATED OPTION IV TOTAL				\$3,262,373.00

SOW CHANGES

1.2.5.2.2 SITE MANAGER

Typical duties of a Site Manager shall include, but will not be limited to the following: Shall interface with the Government CFM and QAEs to ensure that all technical, administrative and financial contractual obligations are satisfactorily fulfilled. The Site Manager shall manage and direct the available contract resources to meet the assigned Work Orders on a daily basis. The Site Manager shall consult with the engineering staff as required and be the primary contract focal point for advising and reviewing the plans and designs. He/she shall report to the Program Manager as the contractor sees fit, but shall be responsible for day-to-day operations. Supervise procurement of test equipment/supplies based on test program requirements. Supervise the technical efforts through all phases of test conduction. The Site Manager shall be both competent and capable of directing the work assignments for supporting personnel both engineers and technicians. Coordinate and interface with senior government engineers and management. This position requires the ability to work from verbal instructions or specifications in the planning and execution of complex and precise test programs. Interfaces with government engineering personnel in the development of test methods and facility modifications. *Conduct end-of-day security checks in accordance with WPAFB 31-101, Installation Security Instruction, when conducting work in the facility beyond normal business hours.*

1.2.5.7.2

The Engineering Technician VI shall be capable as serving as work leader on all non-engineering tasks assigned to the contractor as determined by the engineering staff or the site manager. This may entail the direction of work efforts of lower grade technicians. *Conduct end-of-day security checks in accordance with WPAFB 31-101, Installation Security Instruction, when conducting work in the facility beyond normal business hours.*

NEW LABOR CATEGORIES
F33601-01-DJ001

1.2.5.14 Engineering Technician II (SCA code 29082). This category of personnel shall have two (2) years of formal training plus one (1) year of experience in test related activities involving the design, fabrication, assembly, calibration, operation, modification, maintenance, repair and overhaul of special devices, test equipment, test articles, facilities and instrumentation. Alternately the Engineering Technician II shall have four (4) years related experience. The formal training may be from a trade school, college, or military technical training program.

The Engineering Technician II performs standardized or prescribed assignments involving a sequence of related operations. Follows standard work methods on recurring assignments but receives explicit instructions on unfamiliar assignments; technical adequacy of route work is reviewed on completion; non-routine work may be also reviewed in progress. Performs at this level one or a combination of typical duties as following specific instructions, assembles or constructs simple or standard equipment or parts; may service or repair simple instruments or equipment; conducts a variety of tests using established methods; prepares test specimens, adjusts and operates equipment, and records test data, pointing out deviations resulting from equipment malfunction or observation errors; extracts engineering data from various prescribed but non-standardized sources; processes the data following well-defined methods including elementary algebra and geometry; presents the data in prescribed form.

1.2.5.15 Material Handling Laborer (SCA code 21040). This category of personnel shall have a high school education plus two (2) years of experience in test related activities involving the assembly, operation, moving, storage, inventory, maintenance, repair and overhaul of special devices, test equipment, test articles, facilities and instrumentation. The Material Handling Laborer performs tasks to transport or store materials in preparation for testing and the dismantling of test articles and testing facilities. Duties involve manually loading or unloading trucks or other transporting devices; unpacking, shelving, or placing items in proper storage locations; or transporting items by hand-trucks or carts.

Accounting Clerk IV (SCA code 01014). This category of personnel shall have a high school education plus two (2) years of experience performing tasks such as posting to registers, balancing and reconciling accounts, verifying the internal consistency, completeness, and mathematical accuracy of spreadsheets and accounting documents, assigning distribution and task codes, and examining and verifying the accuracy of various types of reports, lists, and calculations. Duties involve maintaining spreadsheets, balancing and reconciling accounts; review invoices and statements, verifying information, ensuring sufficient funds have been obligated, resolving any found errors, determining JON account involved; and analyzing and reconciling computer print outs with the operating reports; and resolves problems in recurring assignments.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE J	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. P00012	3. EFFECTIVE DATE 01-Oct-2003	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)
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6. ISSUED BY AS ABWPKV POC: MADONNA HART 1940 ALLBROOK DR STE 3 WRIGHT PATTERSON AFB OH 45433-8309	CODE FA0001	7. ADMINISTERED BY (If other than item 6) DCMC-DAYTON (R3AR5A) 1725 VAN PATTON DRIVE, ARFA C, BLDG 30 WRIGHT-PATTERSON AFB OH 45433-8307	CODE S3605A
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8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECTTECH SERVICES CORPORATION DR ROBERT FINCH 325 REGENCY RIDGE CENTERVILLE OH 45435-4252	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	X 10A. MOD. OF CONTRACT/ORDER NO. F33801-01-D-J001
	X 10B. DATED (SEE ITEM 13) 18-Aug-2000

CODE **7WD30** FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offer is extended, is not extended.

Offer 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 such 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)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) **THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.**

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.101(B)

X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
Wage Adjustment LAW 1-285 FLSA and SCA - Price Adjustment

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
Wage Adjustment.

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) Robert B. Finch, PhD President	15B. CONTRACTOR OFFICER Robert B. Finch (Signature of person authorized to sign)	15C. DATE SIGNED 20 Feb 04	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LOUIS R. KNAPP	16B. UNITED STATES OF AMERICA BY: Louis R. Knapp (Signature of Contracting Officer)	16C. DATE SIGNED 25 Feb 04
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SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

Pursuant to the Fair Labor Standards Act and Service Contract Act - Price Adjustment clause (I-285), the revised Fixed Rate Charts are hereby incorporated into subject contract effective 01 Oct 03.

Subject contract is corrected to read as follows:

P00006 **Estimated Total Ceiling** \$16,094,366.60.

P00007 **Estimated Total Ceiling** \$16,393,366.60.

P00009 **Estimated Total Ceiling** \$16,405,301.80.

P00010 **Estimated Total Ceiling** \$17,705,301.80.

As a result of this modification, the estimated contract ceiling amounts are revised as follows:

OPTION III

CLIN 0004

The estimated/max cost has increased by \$6,629.60 from \$3,078,359.20 to \$3,084,988.80.

The total cost of this line item has increased by \$6,629.60 from \$3,078,359.20 to \$3,084,988.80.

OPTION IV

CLIN 0005

The estimated/max cost has increased by \$6,629.60 from \$3,095,834.30 to \$3,102,463.90.

The total cost of this line item has increased by \$6,629.60 from \$3,095,834.30 to \$3,102,463.90.

The estimated current total contract ceiling (Base Period - Option III) was increased by \$6,629.60 from \$14,609,467.50 to \$14,616,097.10.

The estimated grand total contract ceiling (Base Period - Option IV) was increased by \$13,259.20 from \$17,705,301.80 to \$17,718,561.00.

This supplemental agreement constitutes full and final settlement of any and all claims which may arise out of the actions prescribed herein.

Attachment 1
FIXED RATE CHART
CLIN D004

LABOR CATEGORIES, FIRST SHIFT, REGULAR RATE

Contract Assignment #		DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EST. TOTAL AMOUNT
0004	AA	ENGINEER V	Estimated 400	Hours		
0004	AB	COMPUTER SCIENTIST	Estimated 2,000	Hours		
0004	AC	PROGRAM MANAGER	Estimated 200	Hours		
0004	AD	SITE MANAGER	Estimated 4,300	Hours		
0004	AE	TEST ENGINEER IV	Estimated 40	Hours		
0004	AF	TEST ENGINEER III	Estimated 2,000	Hours		
0004	AG	TEST ENGINEER II	Estimated 2,000	Hours		
0004	AH	TEST ENGINEER I	Estimated 40	Hours		
0004	AJ	COMPUTER SYSTEM ANALYST III	Estimated 40	Hours		
0004	AK	ENGINEERING TECHNICIAN VI	Estimated 6,000	Hours		
0004	AL	ENGINEERING TECHNICIAN V	Estimated 12,000	Hours		
0004	AM	ENGINEERING TECHNICIAN IV	Estimated 6,000	Hours		
0004	AN	ENGINEERING TECHNICIAN III	Estimated 40	Hours		
0004	AP	MATERIAL REQUIREMENTS SPECIALIST	Estimated 2,000	Hours		
TOTAL ESTIMATE			36,780			
OVERTIME RATE						
0004	XA	ENGINEER V	Estimated 10			
0004	XB	COMPUTER SCIENTIST	Estimated 40			
0004	XD	SITE MANAGER	Estimated 40			
0004	XE	TEST ENGINEER IV	Estimated 20			
0004	XF	TEST ENGINEER III	Estimated 40			
0004	XG	TEST ENGINEER II	Estimated 20			
0004	XH	TEST ENGINEER I	Estimated 10			
0004	XJ	COMPUTER SYSTEM ANALYST III	Estimated 10			
0004	XK	ENGINEERING TECHNICIAN VI	Estimated 60			
0004	XL	ENGINEERING TECHNICIAN V	Estimated 120			
0004	XM	ENGINEERING TECHNICIAN IV	Estimated 60			
0004	XN	ENGINEERING TECHNICIAN III	Estimated 10			
0004	XP	MATERIAL REQUIREMENTS SPECIALIST	Estimated 40			
TOTAL OVERTIME ESTIMATE			500			
SECOND SHIFT (MON-FRI (1546 HRS THROUGH) 2345 HRS)						
0004	DB	COMPUTER SCIENTIST	Estimated 40			
0004	DD	SITE MANAGER	Estimated 40			
0004	DE	TEST ENGINEER IV	Estimated 40			
0004	DF	TEST ENGINEER III	Estimated 40			
0004	DG	TEST ENGINEER II	Estimated 40			
0004	DI	TEST ENGINEER I	Estimated 40			
0004	DJ	COMPUTER SYSTEM ANALYST III	Estimated 40			
0004	DK	ENGINEERING TECHNICIAN VI	Estimated 40			
0004	DL	ENGINEERING TECHNICIAN V	Estimated 40			
0004	DM	ENGINEERING TECHNICIAN IV	Estimated 40			
0004	DN	ENGINEERING TECHNICIAN III	Estimated 40			
TOTAL SECOND SHIFT ESTIMATE			440			
THIRD SHIFT (MON-FRI (2330 HRS THROUGH) 0730 HRS)						
0004	DO	SITE MANAGER	Estimated 40			
0004	DE	TEST ENGINEER IV	Estimated 40			
0004	DF	TEST ENGINEER III	Estimated 40			
0004	DI	COMPUTER SYSTEM ANALYST III	Estimated 40			
0004	DK	ENGINEERING TECHNICIAN VI	Estimated 40			
0004	DL	ENGINEERING TECHNICIAN V	Estimated 40			
0004	DM	ENGINEERING TECHNICIAN IV	Estimated 40			
0004	DN	ENGINEERING TECHNICIAN III	Estimated 40			
TOTAL THIRD SHIFT ESTIMATE			320			
0004		MATERIALS	Estimated 1 LO			1,000,000.00
0004		HANDLING CHARGES % (IF APPLICABLE)				
0004		SUBCONTRACTING	Estimated 1 LO			443,000.00
0004		HANDLING CHARGES % (IF APPLICABLE)				
0004		TRAVEL (Cost Reimbursable Item) See Clause 35-423	Estimated 1 LO			20,000.00
0004		DATA	*NSP = NOT SEPARATELY PRICED			*NSP
0004		GENERAL & ADMINISTRATIVE % (if applicable - see Clause 14-563)				
ESTIMATED OPTION # TOTAL						3,064,000.00

Attachment 1
FIXED RATE CHART
CUN 0005

LABOR CATEGORIES, FIRST SHIFT, REGULAR RATE

Contractor Assigned #	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EST. TOTAL AMOUNT
0005	AA ENGINEER V	Estimated 400	Hours		
0005	AB COMPUTER SCIENTIST	Estimated 2,000	Hours		
0005	AC PROGRAM MANAGER	Estimated 200	Hours		
0005	AD SITE MANAGER	Estimated 4,000	Hours		
0005	AE TEST ENGINEER IV	Estimated 40	Hours		
0005	AF TEST ENGINEER III	Estimated 2,000	Hours		
0005	AG TEST ENGINEER II	Estimated 2,000	Hours		
0005	AH TEST ENGINEER I	Estimated 40	Hours		
0005	AJ COMPUTER SYSTEM ANALYST III	Estimated 40	Hours		
0005	AK ENGINEERING TECHNICIAN VI	Estimated 6,000	Hours		
0005	AL ENGINEERING TECHNICIAN V	Estimated 12,000	Hours		
0005	AM ENGINEERING TECHNICIAN IV	Estimated 6,000	Hours		
0005	AN ENGINEERING TECHNICIAN III	Estimated 40	Hours		
0005	AP MATERIAL REQUIREMENTS SPECIALIST	Estimated 2,000	Hours		
	TOTAL ESTIMATE			36,760	
	OVERTIME RATE				
0005	XA ENGINEER V	Estimated 10			
0005	XB COMPUTER SCIENTIST	Estimated 40			
0005	XC SITE MANAGER	Estimated 40			
0005	XD TEST ENGINEER IV	Estimated 20			
0005	XE TEST ENGINEER III	Estimated 40			
0005	XF TEST ENGINEER II	Estimated 20			
0005	XG TEST ENGINEER I	Estimated 10			
0005	XH COMPUTER SYSTEM ANALYST III	Estimated 10			
0005	XI ENGINEERING TECHNICIAN VI	Estimated 60			
0005	XJ ENGINEERING TECHNICIAN V	Estimated 120			
0005	XK ENGINEERING TECHNICIAN IV	Estimated 60			
0005	XL ENGINEERING TECHNICIAN III	Estimated 10			
0005	XM MATERIAL REQUIREMENTS SPECIALIST	Estimated 40			
	TOTAL OVERTIME ESTIMATE			600	
	SECOND SHIFT, MON-FRI (1545 HRS THROUGH 2345 HRS)				
0005	UB COMPUTER SCIENTIST	Estimated 40			
0005	UC SITE MANAGER	Estimated 40			
0005	UD TEST ENGINEER IV	Estimated 40			
0005	UE TEST ENGINEER III	Estimated 40			
0005	UF TEST ENGINEER II	Estimated 40			
0005	UG TEST ENGINEER I	Estimated 10			
0005	UH COMPUTER SYSTEM ANALYST III	Estimated 10			
0005	UI ENGINEERING TECHNICIAN VI	Estimated 40			
0005	UJ ENGINEERING TECHNICIAN V	Estimated 40			
0005	UK ENGINEERING TECHNICIAN IV	Estimated 40			
0005	UL ENGINEERING TECHNICIAN III	Estimated 40			
	TOTAL SECOND SHIFT ESTIMATE			440	
	THIRD SHIFT, MON-FRI (2330 HRS THROUGH 0730 HRS)				
0005	DD SITE MANAGER	Estimated 40			
0005	DE TEST ENGINEER IV	Estimated 40			
0005	DF TEST ENGINEER III	Estimated 40			
0005	DG TEST ENGINEER II	Estimated 40			
0005	DH TEST ENGINEER I	Estimated 10			
0005	DI COMPUTER SYSTEM ANALYST III	Estimated 10			
0005	DJ ENGINEERING TECHNICIAN VI	Estimated 10			
0005	DK ENGINEERING TECHNICIAN V	Estimated 40			
0005	DL ENGINEERING TECHNICIAN IV	Estimated 40			
0005	DM ENGINEERING TECHNICIAN III	Estimated 40			
	TOTAL THIRD SHIFT ESTIMATE			320	
0005	MATERIALS	Estimated 1 LO			1,000,000.00
0005	HANDLING CHARGES % (IF APPLICABLE)				
0005	SUBCONTRACTING	Estimated 1 LO			443,000.00
0005	HANDLING CHARGES % (IF APPLICABLE)				
0005	TRAVEL (Cost Reimbursable Item) See Clause 1B-123	Estimated 1 LO			20,000.00
0005	DATA	*NSP # NOT SEPARATELY PRICED			*NSP
0005	GENERAL & ADMINISTRATIVE % (if applicable: see Clause H-508)				
	ESTIMATED OPTION IV TOTAL				3,102,463.00

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

CONTRACT NUMBER	PAGE OF PAGES
	1 2

2. AMENDMENT/MODIFICATION NO. 770051	3. EFFECTIVE DATE 01-Oct-2003	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)
6. ISSUED BY 88 ABW/PKV POC: JAN HERRBROCK 1940 ALL BROOK DR STE 5 WRIGHT-PATTERSON AFB OH 45433-5302		7. ADMINISTERED BY (if other than item 6) DCMC-DAYTON (S38DU4) 1725 VAN PATTON DRIVE AREA C, BLDG 30 WRIGHT-PATTERSON AFB OH 45433-5302	
CODE: GA8601		CODE: S38U5A	

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECTTECH SERVICES CORPORATION DR ROBERT FINCH 325 REGENCY RIDGE CENTERVILLE OH 45459-4252	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 13)
	X 10A. MOD. OF CONTRACT ORDER NO. F33601-01-D-J001
	X 10B. DATED (SEE ITEM 13) 18-Aug-2003
CODE: TW030	FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer is extended, is not extended.

Offer 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 REFLECTION 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)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X D. OTHER (Specify type of modification and authority) Unilateral LAW FAR 52.217-9, Option to Extend the Term of the Contract.

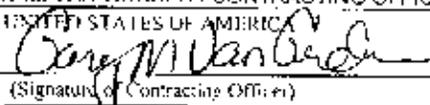
E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Exercise Option III

 Contracting Officer: Gary M. Van Gorder
 Telephone Number: (937) 257-6145, x 4208
 Email Address: gary.vangorder@wpafb.af.mil

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)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) GARY M. VAN GORDER / CONTRACTING OFFICER
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED 09-Sep-2003
(Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

EXCEPTION TO SF 330
 APPROVED BY OIRM L. S. I.

30 - (9) 04

STANDARD FORM 30 (Rev. 10-83)
 Prescribed by GSA
 FAR (48 CFR) 1.01-2.45

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

A. Pursuant to the Option Clause, 1.195, FAR 52.217-9, set forth in subject contract, the Government hereby exercises Option III for the period 01 Oct 03 - 30 Sep 04. The value of this option is \$3,078,359.20.

B. The contract period is hereby changed as follows.

FROM: 01 Oct 00 through 30 Sep 03

TO: 01 Oct 00 through 30 Sep 04

C. The date in the Requirements clause, I-173, is changed

FROM: 15 Oct 03

TO: 15 Oct 04

D. The dates in the Ordering clause, I-170, are changed

FROM: 01 Oct 00 through 30 Sep 03

TO: 01 Oct 00 through 30 Sep 04

E. Department of Labor Wage Determination #94-2419, Rev 22, dated 6/4/2003 is hereby incorporated into the contract effective 01 Oct 03.

F. The full text of clause I-404 is provided below:

52.232-18 - Availability of Funds.

Availability of Funds (Apr 1984)

Funds are not presently available for this contract. The Government's obligation under this contract is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are made available to the Contracting Officer for this contract and until the Contractor receives notice of such availability, to be confirmed in writing by the Contracting Officer.

(End of Clause)

G. The DD Form 254 has been reviewed and is still applicable for this period.

H. The following instruction is hereby added to Block 14 of page one of the contract (SF 1447) for the paying office:

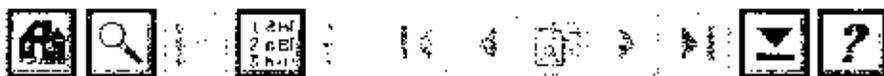
All vouchers are to be manually processed making payments in accordance with the ACRNs designated on the voucher.

I. As a result of this modification, the Ceiling price is hereby increased from estimated \$11,531,108.30 to estimated \$14,609,467.50, an increase of \$3,078,359.20. The total funded amount of the contract remains unchanged.

I Attachment:

Wage Determination No. 94-2419,

Rev. 22, dated 6/4-2003



WAGE DETERMINATION NO: 94-2419 REV (22) AREA: OH.DAYTON

WAGE DETERMINATION NO: 94-2419 REV (22) AREA: OH, DAYTON

REGISTER OF WAGE DETERMINATIONS UNDER

U.S. DEPARTMENT OF LABOR

FOR OFFICIAL USE ONLY BY FEDERAL AGENCIES PARTICIPATING IN MOW WITH DOL

WASHINGTON D.C. 20210

William W.Gross
DirectorDivision of
Wage DeterminationsWage Determination No.: 1994-2419
Revision No.: 22
Date Of Last Revision: 06/04/2003

States: Indiana, Ohio

Area: Indiana Counties of Randolph, Union, Wayne

Ohio Counties of Champaign, Clark, Clinton, Darke, Greene, Logan, Miami, Montgomery,
Preble, Shelby

Fringe Benefits Required Follow the Occupational Listing

OCCUPATION CODE	TITLE	MINIMUM WAGE RATE
01000	Administrative Support and Clerical Occupations	
01011	- Accounting Clerk I	10.78
01012	- Accounting Clerk II	11.25
01013	- Accounting Clerk III	13.15
01014	- Accounting Clerk IV	15.66
01030	- Court Reporter	16.21
01050	- Dispatcher, Motor Vehicle	14.86
01060	- Document Preparation Clerk	11.64
01070	- Messenger (Courier)	10.37
01090	- Duplicating Machine Operator	11.63
01110	- Film/Tape Librarian	10.28
01115	- General Clerk I	8.19
01116	- General Clerk II	9.20
01117	- General Clerk III	10.91
01118	- General Clerk IV	13.02
01120	- Housing Referral Assistant	17.90
01131	- Key Entry Operator I	10.02
01132	- Key Entry Operator II	11.31
01191	- Order Clerk I	10.57
01192	- Order Clerk II	14.76
01261	- Personnel Assistant (Employment) I	10.93
01262	- Personnel Assistant (Employment) II	12.31
01263	- Personnel Assistant (Employment) III	14.73
01264	- Personnel Assistant (Employment) IV	16.68
01270	- Production Control Clerk	16.93
01290	- Rental Clerk	12.12
01300	- Scheduler, Maintenance	12.93
01311	- Secretary I	12.93
01312	- Secretary II	14.33
01313	- Secretary III	17.90
01314	- Secretary IV	19.90
01315	- Secretary V	22.14
01320	- Service Order Dispatcher	11.90
01341	- Stenographer I	10.93

01342	- Stenographer II	13.60
01400	- Supply Technician	10.95
01420	- Survey Worker (Interviewer)	13.24
01460	- Switchboard Operator Receptionist	9.62
01510	- Test Examiner	14.33
01520	- Test Proctor	14.23
01531	- Travel Clerk I	10.30
01532	- Travel Clerk II	10.92
01533	- Travel Clerk III	11.65
01611	- Word Processor I	11.69
01612	- Word Processor II	13.28
01613	- Word Processor III	15.75
03000	Automatic Data Processing Occupations	
03010	- Computer Data Librarian	10.89
03041	- Computer Operator I	13.30
03042	- Computer Operator II	14.73
03043	- Computer Operator III	18.53
03044	- Computer Operator IV	21.99
03045	- Computer Operator V	24.34
03071	- Computer Programmer I (1)	21.46
03072	- Computer Programmer II (1)	25.80
03073	- Computer Programmer III (1)	27.62
03074	- Computer Programmer IV (1)	27.62
03101	- Computer Systems Analyst I (1)	27.62
03102	- Computer Systems Analyst II (1)	27.62
03103	- Computer Systems Analyst III (1)	27.62
03160	- Peripheral Equipment Operator	13.82
05000	- Automotive Service Occupations	
05005	- Automotive Body Repairer, Fiberglass	18.94
05010	- Automotive Glass Installer	17.14
05040	- Automotive Worker	17.14
05070	- Electrician, Automotive	17.84
05100	- Mobile Equipment Servicer	15.77
05130	- Motor Equipment Metal Mechanic	18.52
05160	- Motor Equipment Metal Worker	17.14
05190	- Motor Vehicle Mechanic	17.38
05220	- Motor Vehicle Mechanic Helper	15.09
05250	- Motor Vehicle Upholstery Worker	16.46
05280	- Motor Vehicle Wrecker	17.14
05310	- Painter, Automotive	17.84
05340	- Radiator Repair Specialist	17.14
05370	- Tire Repairer	15.24
05400	- Transmission Repair Specialist	18.52
07000	- Food Preparation and Service Occupations	
(not set)	- Food Service Worker	8.83
07010	- Baker	11.40
07041	- Cook I	10.55
07042	- Cook II	11.40
07070	- Dishwasher	8.83
07130	- Meat Cutter	11.50
07250	- Waiter/Waitress	9.22
09000	- Furniture Maintenance and Repair Occupations	
09010	- Electrostatic Spray Painter	17.84
09040	- Furniture Handler	13.73
09070	- Furniture Refinisher	17.84
09100	- Furniture Refinisher Helper	15.09
09110	- Furniture Repairer, Minor	16.46
09130	- Upholsterer	19.12
11030	- General Services and Support Occupations	
11030	- Cleaner, Vehicles	9.51

11060 - Elevator Operator	11.07
11090 - Gardener	12.16
11121 - House Keeping Aid I	9.17
11122 - House Keeping Aid II	10.56
11150 - Janitor	11.62
11210 - Laborer, Grounds Maintenance	11.77
11240 - Maid or Houseman	8.17
11270 - Pest Controller	12.43
11300 - Refuse Collector	13.24
11330 - Tractor Operator	11.80
11360 - Window Cleaner	12.24
12000 - Health Occupations	
12020 - Dental Assistant	12.12
12040 - Emergency Medical Technician (EMT)/Paramedic/Ambulance Driver	11.60
12071 - Licensed Practical Nurse I	16.27
12072 - Licensed Practical Nurse II	18.26
12073 - Licensed Practical Nurse III	29.42
12100 - Medical Assistant	11.51
12130 - Medical Laboratory Technician	13.21
12160 - Medical Record Clerk	10.70
12190 - Medical Record Technician	13.65
12221 - Nursing Assistant I	8.24
12222 - Nursing Assistant II	9.26
12223 - Nursing Assistant III	10.10
12224 - Nursing Assistant IV	11.35
12250 - Pharmacy Technician	12.28
12280 - Phlebotomist	12.66
12311 - Registered Nurse I	17.55
12312 - Registered Nurse II	21.47
12313 - Registered Nurse II, Specialist	21.42
12314 - Registered Nurse III	25.93
12315 - Registered Nurse III, Anesthetist	25.93
12316 - Registered Nurse IV	31.06
13000 - Information and Arts Occupations	
13002 - Audiovisual Librarian	17.96
13011 - Exhibits Specialist I	16.04
13012 - Exhibits Specialist II	21.31
13013 - Exhibits Specialist III	23.04
13041 - Illustrator I	18.11
13042 - Illustrator II	24.06
13043 - Illustrator III	26.92
13047 - Librarian	19.93
13050 - Library Technician	12.04
13071 - Photographer I	13.33
13072 - Photographer II	15.21
13073 - Photographer III	20.21
13074 - Photographer IV	22.61
13075 - Photographer V	25.90
15000 - Laundry, Dry Cleaning, Pressing and Related Occupations	
15010 - Assembler	7.38
15030 - Counter Attendant	7.38
15040 - Dry Cleaner	9.37
15070 - Finisher, Flatwork, Machine	7.38
15090 - Presser, Hand	7.38
15100 - Presser, Machine, Drycleaning	7.38
15130 - Presser, Machine, Shirts	7.38
15160 - Presser, Machine, Wearing Apparel, Laundry	7.38
15190 - Sewing Machine Operator	10.03
15220 - Tailor	10.69
15250 - Washer, Machine	8.04

19000 - Machine Tool Operation and Repair Occupations	
19010 - Machine Tool Operator (Toolroom)	18.68
19040 - Tool and Die Maker	23.23
21000 - Material Handling and Packing Occupations	
21010 - Fuel Distribution System Operator	16.76
21020 - Material Coordinator	18.61
21030 - Material Expediter	18.61
21040 - Material Handling Laborer	17.55
21050 - Order Filler	10.74
21071 - Forklift Operator	15.76
21080 - Production Line Worker (Food Processing)	15.76
21100 - Shipping/Receiving Clerk	11.46
21130 - Shipping Packer	13.98
21140 - Store Worker I	12.07
21150 - Stock Clerk (Shelf Stocker, Store Worker II)	15.18
21210 - Tools and Parts Attendant	15.86
21400 - Warehouse Specialist	15.86
23000 - Mechanics and Maintenance and Repair Occupations	
23010 - Aircraft Mechanic	20.11
23040 - Aircraft Mechanic Helper	16.12
23050 - Aircraft Quality Control Inspector	20.87
23060 - Aircraft Servicer	17.92
23070 - Aircraft Worker	18.65
23100 - Appliance Mechanic	17.84
23120 - Bicycle Repairer	15.24
23125 - Cable Splicer	21.47
23130 - Carpenter, Maintenance	17.84
23140 - Carpet Layer	17.14
23160 - Electrician, Maintenance	23.12
23181 - Electronics Technician, Maintenance I	14.31
23182 - Electronics Technician, Maintenance II	19.16
23183 - Electronics Technician, Maintenance III	20.04
23260 - Fabric Worker	17.63
23290 - Fire Alarm System Mechanic	19.82
23310 - Fire Extinguisher Repairer	16.86
23340 - Fuel Distribution System Mechanic	18.52
23370 - General Maintenance Worker	17.14
23400 - Heating, Refrigeration and Air Conditioning Mechanic	18.52
23430 - Heavy Equipment Mechanic	18.52
23440 - Heavy Equipment Operator	20.24
23460 - Instrument Mechanic	19.82
23470 - Laborer	13.99
23500 - Locksmith	19.12
23530 - Machinery Maintenance Mechanic	23.11
23550 - Machinist, Maintenance	18.10
23580 - Maintenance Trades Helper	15.09
23640 - Millwright	24.40
23700 - Office Appliance Repairer	19.12
23740 - Painter, Aircraft	20.64
23760 - Painter, Maintenance	17.84
23790 - Pipefitter, Maintenance	19.88
23800 - Plumber, Maintenance	19.16
23820 - Pneumatic Systems Mechanic	19.82
23850 - Rigger	19.82
23870 - Scale Mechanic	18.34
23890 - Sheet-Metal Worker, Maintenance	19.94
23910 - Small Engine Mechanic	17.14
23930 - Telecommunication Mechanic I	18.92
23931 - Telecommunication Mechanic II	21.18
23950 - Telephone Lineman	19.82

23950	Welder, Combination, Maintenance	18.59
23965	Well Driller	20.37
23970	Woodcraft Worker	19.82
23980	- Woodworker	15.77
24000	- Personal Needs Occupations	
24570	Child Care Attendant	9.14
24580	- Child Care Center Clerk	13.56
24600	- Chore Aid	10.05
24630	Homemaker	13.05
25000	Plant and System Operation Occupations	
25010	- Boiler Tender	21.30
25040	- Sewage Plant Operator	18.72
25070	- Stationary Engineer	21.87
25190	Ventilation Equipment Tender	16.66
25210	Water Treatment Plant Operator	18.72
27000	- Protective Service Occupations	
(not set)	- Police Officer	22.07
27004	- Alarm Monitor	14.57
27006	- Corrections Officer	14.71
27010	Court Security Officer	20.22
27040	- Detention Officer	19.49
27070	- Firefighter	18.37
27101	- Guard I	9.48
27102	Guard II	14.40
28000	- Stevedoring/Longshoremen Occupations	
28010	- Blocker and Bracer	17.94
28020	- Hatch Tender	18.06
28030	Line Handler	18.06
28040	- Stevedore I	16.13
28050	- Stevedore II	17.42
29000	Technical Occupations	
21150	Graphic Artist	20.39
29010	- Air Traffic Control Specialist, Center (2)	29.63
29011	- Air Traffic Control Specialist, Station (2)	20.43
29012	- Air Traffic Control Specialist, Terminal (2)	22.50
29023	Archeological Technician I	15.19
29024	- Archeological Technician II	17.35
29025	- Archeological Technician III	21.47
29030	- Cartographic Technician	22.81
29035	Computer Based Training (CBT) Specialist/ Instructor	29.69
29040	- Civil Engineering Technician	20.21
29061	- Drafter I	13.53
29062	Drafter II	15.20
29063	- Drafter III	17.35
29064	Drafter IV	23.05
29081	- Engineering Technician I	17.92
29082	- Engineering Technician II	14.52
29083	Engineering Technician III	19.57
29084	- Engineering Technician IV	21.03
29085	- Engineering Technician V	25.65
29086	Engineering Technician VI	31.11
29090	- Environmental Technician	19.68
29100	- Flight Simulator/Instructor (Pilot)	28.55
29160	Instructor	22.82
29210	- Laboratory Technician	16.10
29240	- Mathematical Technician	20.49
29351	- Paralegal/Legal Assistant I	16.57
29362	- Paralegal/Legal Assistant II	20.98
29363	Paralegal/Legal Assistant III	25.58
29364	- Paralegal/Legal Assistant IV	31.04

29390	Photooptics Technician	19.06
29480	Technical Writer	27.08
29491	Unexploded Ordnance (UXO) Technician I	18.84
29492	Unexploded Ordnance (UXO) Technician II	22.79
29493	Unexploded Ordnance (UXO) Technician III	27.31
29494	Unexploded (UXO) Safety Escort	18.84
29495	Unexploded (UXO) Sweep Personnel	18.84
29620	Weather Observer, Senior (3)	16.52
29621	Weather Observer, Combined Upper Air and Surface Programs (3)	14.88
29622	Weather Observer, Upper Air (3)	14.88
31000	Transportation/ Mobile Equipment Operation Occupations	
31030	Bus Driver	14.70
31260	Parking and Lot Attendant	7.59
31290	Shuttle Bus Driver	12.89
31300	Taxi Driver	10.51
31361	Truckdriver, Light Truck	11.66
31362	Truckdriver, Medium Truck	13.88
31363	Truckdriver, Heavy Truck	17.92
31364	Truckdriver, Tractor-Trailer	18.31
99000	Miscellaneous Occupations	
99020	Animal Caretaker	9.72
99030	Cashier	8.39
99041	Carnival Equipment Operator	11.80
99042	Carnival Equipment Repairer	12.13
99043	Carnival Worker	10.14
99050	Desk Clerk	9.14
99095	Embalmer	19.40
99300	Lifeguard	9.90
99310	Mortician	22.77
99350	Park Attendant (Aide)	12.43
99400	Photofinishing Worker (Photo Lab Tech., Darkroom Tech)	9.37
99500	Recreation Specialist	14.67
99510	Recycling Worker	15.17
99610	Sales Clerk	9.92
99620	School Crossing Guard (Crosswalk Attendant)	10.68
99630	Sport Official	9.90
99658	Survey Party Chief (Chief of Party)	17.64
99659	Surveying Technician (Instr. Person/Surveyor Asst./Instr.)	13.86
99660	Surveying Aide	9.05
99690	Swimming Pool Operator	14.04
99720	Vending Machine Attendant	12.24
99730	Vending Machine Repairer	13.79
99740	Vending Machine Repairer Helper	12.24

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: \$2.36 an hour or \$94.40 a week or \$409.07 a month

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 8 years, and 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Req. 29 CFR 4.173)

HOLIDAYS: A minimum of eleven paid holidays per year: New Year's Day, Martin Luther King Jr's Birthday, Washington's Birthday, Good Friday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

THE OCCUPATIONS WHICH HAVE PARENTHESES AFTER THEM RECEIVE THE FOLLOWING BENEFITS (as numbered):

1) Does not apply to employees employed in a bona fide executive, administrative,

or professional capacity as defined and delineated in 29 CFR 141. (See CFR 4.156)
21 APPLICABLE TO AIR TRAFFIC CONTROLLERS ONLY - NIGHT DIFFERENTIAL. An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.

2) WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work)

HAZARDOUS PAY DIFFERENTIAL: An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordnance, explosives, and incendiary materials. This includes work such as screening, blending, drying, mixing, and pressing of sensitive ordnance, explosives, and pyrotechnic compositions such as lead azide, black powder and photoflash powder. All dry-house activities involving propellants or explosives. Demilitarization, modification, renovation, demolition, and maintenance operations on sensitive ordnance, explosives and incendiary materials. All operations involving regrading and cleaning of artillery ranges.

A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with, or in close proximity to ordnance, (or employees possibly adjacent to) explosives and incendiary materials which involves potential injury such as laceration of hands, face, or arms of the employee engaged in the operation, irritation of the skin, minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving, unloading, storage, and hauling of ordnance, explosive, and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordnance, explosives, and incendiary material differential pay.

**** UNIFORM ALLOWANCE ****

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$3.35 per week (or \$.67 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Title and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Art Directory of Occupations," Fourth Edition, January 1991, as amended by the Third Supplement, dated March 1997, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office.

Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE {Standard Form 1444 (SF 1444)}

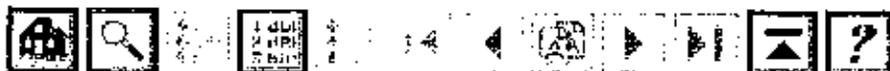
Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. {See Section 4.6 (C) (vi)} When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation) and computes a proposed rate).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title), a Federal grade equivalency (FGE) for each proposed classification), job description), and rationale for proposed wage rate), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour decision to the contractor.
- 6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper. When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE _____ PAGE OF PAGES
 1 2

2. AMENDMENT/MODIFICATION NO. P00010	3. EFFECTIVE DATE 04-Jun-2003	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY 68 ABW/PKV POC: MADONNA HART 1940 ALLBROOK DR STE 3 WRIGHT-PATTERSON AFB OH 45433-6309	CODE FA8601	7. ADMINISTERED BY (If other than item 6) DCMC-DAYTON (S3605A) 1725 VAN PATTON DRIVE, AREA C, BLDG 30 WRIGHT-PATTERSON AFB OH 45433 6302	CODE S3605A

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECTTECH SERVICES CORPORATION DR ROBERT FINCH 325 REGENCY RIDGE CENTERVILLE OH 45459-4252	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	X 10A. MOD. OF CONTRACT/ORDER NO. F33601-01-U-J001
	X 10B. DATED (SEE ITEM 13) 18-Aug-2000

CODE 7W030 FACILITY CODE _____

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer is extended. is not extended.

(Offer 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)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
 IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B)
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Ceiling Increase IAW 52.232-7 Payments Under Time and Materials and Labor-Hours Contracts
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 Increase Ceiling

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as hereinbefore changed, remain unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) <i>Robert B. Finch, PhD President</i>	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <i>GARY M VAN GORDER Contracting Officer</i>
15B. CONTRACTOR/OFFEROR <i>[Signature]</i> (Signature of person authorized to sign)	15C. DATE SIGNED <i>16 June 03</i>
16B. UNITED STATES OF AMERICA BY <i>[Signature]</i> (Signature of Contracting Officer)	16C. DATE SIGNED <i>17 Jun 2003</i>

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

Changes in Solicitation/Contract/Order Form

Subject contract is hereby modified by incorporating the attached revised Fixed Rate Chart for Option II.

The contract ceiling amounts are changed as shown below:

Option II
CIJN 0003

The total CIJN cost has increased from estimated \$3,061,418.00 to estimated \$4,361,418.00 an increase of \$1,300,000.00.

The Current Contract Ceiling Amount (Base Period - Option II) is increased from estimated \$10,231,108.30 to estimated \$11,531,108.30, an increase of \$1,300,000.00.

The Grand Total Contract Ceiling Amount (Base Period - Option IV) is increased from estimated \$16,405,301.20 to estimated \$17,705,301.20, an increase of \$1,300,000.00.

This supplemental agreement constitutes full and final settlement of any and all claims which may arise out of the actions prescribed herein.

Attachment 1

FIXED RATE CHART

CLIN 0003

LABOR CATEGORIES, FIRST SHIFT, REGULAR RATE

Contractor Assigned #	DESCRIPTION		QUANTITY	UNIT	UNIT PRICE	EST. TOTAL AMOUNT
0003 AA	ENGINEER V	Estimated	400	Hours		
0003 AB	COMPUTER SCIENTIST	Estimated	2,000	Hours		
0003 AC	PROGRAM MANAGER	Estimated	200	Hours		
0003 AD	SITE MANAGER	Estimated	4,000	Hours		
0003 AE	TEST ENGINEER IV	Estimated	40	Hours		
0003 AF	TEST ENGINEER III	Estimated	2,000	Hours		
0003 AG	TEST ENGINEER II	Estimated	2,000	Hours		
0003 AH	TEST ENGINEER I	Estimated	40	Hours		
0003 AJ	COMPUTER SYSTEM ANALYST III	Estimated	40	Hours		
0003 AK	ENGINEERING TECHNICIAN VI	Estimated	6,000	Hours		
0003 AL	ENGINEERING TECHNICIAN V	Estimated	12,000	Hours		
0003 AM	ENGINEERING TECHNICIAN IV	Estimated	6,000	Hours		
0003 AN	ENGINEERING TECHNICIAN III	Estimated	40	Hours		
0003 AP	MATERIAL REQUIREMENTS SPECIALIST	Estimated	2,000	Hours		
TOTAL ESTIMATE			36,760			
OVERTIME RATE						
0003 XA	ENGINEER V	Estimated	10			
0003 XC	COMPUTER SCIENTIST	Estimated	40			
0003 XD	SITE MANAGER	Estimated	40			
0003 XE	TEST ENGINEER IV	Estimated	20			
0003 XF	TEST ENGINEER III	Estimated	40			
0003 XG	TEST ENGINEER II	Estimated	20			
0003 XH	TEST ENGINEER I	Estimated	10			
0003 XJ	COMPUTER SYSTEM ANALYST III	Estimated	10			
0003 XK	ENGINEERING TECHNICIAN VI	Estimated	60			
0003 XL	ENGINEERING TECHNICIAN V	Estimated	120			
0003 XM	ENGINEERING TECHNICIAN IV	Estimated	60			
0003 XN	ENGINEERING TECHNICIAN III	Estimated	10			
0003 XP	MATERIAL REQUIREMENTS SPECIALIST	Estimated	40			
TOTAL OVERTIME ESTIMATE			500			
SECOND SHIFT: MON-FRI (1546 HRS THROUGH 2345 HRS)						
0003 DC	COMPUTER SCIENTIST	Estimated	40			
0003 DD	SITE MANAGER	Estimated	40			
0003 DE	TEST ENGINEER IV	Estimated	40			
0003 DF	TEST ENGINEER III	Estimated	40			
0003 DG	TEST ENGINEER II	Estimated	40			
0003 DH	TEST ENGINEER I	Estimated	40			
0003 DJ	COMPUTER SYSTEM ANALYST III	Estimated	40			
0003 DK	ENGINEERING TECHNICIAN VI	Estimated	40			
0003 DL	ENGINEERING TECHNICIAN V	Estimated	40			
0003 DM	ENGINEERING TECHNICIAN IV	Estimated	40			
0003 DN	ENGINEERING TECHNICIAN III	Estimated	40			
TOTAL SECOND SHIFT ESTIMATE			440			

THIRD SHIFT: MON-FRI (2330 HRS THROUGH 0730 HRS)

0003 DD	SITE MANAGER	Estimated	40	
0003 DE	TEST ENGINEER IV	Estimated	40	
0003 DF	TEST ENGINEER III	Estimated	40	
0003 DJ	COMPUTER SYSTEM ANALYST III	Estimated	40	
0003 DK	ENGINEERING TECHNICIAN VI	Estimated	40	
0003 DL	ENGINEERING TECHNICIAN V	Estimated	40	
0003 DM	ENGINEERING TECHNICIAN IV	Estimated	40	
0003 DN	ENGINEERING TECHNICIAN III	Estimated	40	
	TOTAL THIRD SHIFT ESTIMATE		320	
0003	MATERIALS	Estimated	1 LO	\$2,300,000.00
0003	HANDLING CHARGES % (IF APPLICABLE)			
0003	SUBCONTRACTING	Estimated	1 LO	\$443,000.00
0003	HANDLING CHARGES % (IF APPLICABLE)			
0003	TRAVEL (Cost Reimbursable Item) See Clause	Estimated	1 LO	\$20,000.00
0003	DATA	*NSP = NOT SEPARATELY PRICED		*NSP
0003	GENERAL & ADMINISTRATIVE % (if applicable, see Clause H-588)			
	ESTIMATED OPTION II TOTAL			\$4,361,418.00

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE J	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. PO0009	3. EFFECTIVE DATE 01-Oct-2002	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)
6. ISSUED BY 88 ABW/PKV POC: MADONNA HART 1910 ALLERBROOK DR STE 3 WRIGHT-PATTERSON AFB OH 45433-5309		7. ADMINISTERED BY (if other than item 6) DCMC-DAYTON (S3605A) 1725 VAN PATTON DRIVE, AREA C, BLDG 30 WRIGHT-PATTERSON AFB OH 45433-5302	CODE: S3605A

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECT TECH SERVICES CORPORATION DR ROBERT FINCH 325 REGENCY RIDGE CENTERVILLE OH 45458-4252	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/> 10A. MOD. OF CONTRACT/ORDER NO. F33601-01-D-J001
	<input checked="" type="checkbox"/> 10B. DATED (SEE ITEM 13) 18-Aug-2000
CODE: 7W030	FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer is extended, is not extended.

Offer 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)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B)

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: **Wage Adjustment IAW 1-285 - FLSA and SCA - Price Adjustment**

D. OTHER (Specify type of modification and authority)

F. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
Wage Adjustment.

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) Robert B. Finch, PhD President	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) LOUIS R. KNAPP CONTRACTING OFFICER
15B. CONTRACTOR/OFFEROR <i>[Signature]</i> (Signature of person authorized to sign)	16B. DATE SIGNED 2 May 03
15C. DATE SIGNED 2 May 03	16C. DATE SIGNED 5 May 03
BY: <i>[Signature]</i>	(Signature of Contracting Officer)

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

Changes in Solicitation/Contract/Order Form

A. Reference subject contract, modification P00008. Paragraph G is corrected to read as follows:

G. As a result of this modification, the total ceiling price of the subject contract is changed from \$7,169,690.30 to \$10,227,129.90 for an increase of \$3,057,439.60.

B. Subject contract is hereby modified by incorporating the attached revised Fixed Rate Charts for Clins 0003 (Option II), 0004 (Option III), and 0005 (Option IV).

C. As a result of this modification, the total estimated ceiling amounts are increased as follows:

CLIN 0003 (Option II)

The total CLIN ceiling amount has increased from estimated \$3,057,439.60 to estimated \$3,061,418.00, an increase of \$3,978.40.

CLIN 0004 (Option III)

The total CLIN ceiling amount has increased from estimated \$3,074,380.80 to estimated \$3,078,359.20, an increase of \$3,978.40.

CLIN 0005 (Option IV)

The total CLIN ceiling amount has increased from estimated \$3,091,855.90 to estimated \$3,095,834.30, an increase of \$3,978.40.

The total current contract ceiling amount (Base Period – Option II) has increased from estimated \$10,227,129.90 to estimated \$10,231,108.30, an increase of \$3,978.40.

The grand total contract ceiling amount (Base Period – Option IV) has increased from estimated \$16,393,366.00 to estimated \$16,405,301.20, an increase of \$11,935.20.

D. This supplemental agreement constitutes full and final settlement of any and all claims which may arise out of the actions prescribed herein.

LABOR CATEGORIES, FIRST SHIFT, REGULAR RATE

Contractor Assigned #	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EST TOTAL AMOUNT
0003 AA	ENGINEER V	Estimated	400	Hours	
0003 AB	COMPUTER SCIENTIST	Estimated	2,000	Hours	
0003 AC	PROGRAM MANAGER	Estimated	200	Hours	
0003 AD	SITE MANAGER	Estimated	4,000	Hours	
0003 AE	TEST ENGINEER IV	Estimated	40	Hours	
0003 AF	TEST ENGINEER III	Estimated	2,000	Hours	
0003 AG	TEST ENGINEER II	Estimated	2,000	Hours	
0003 AH	TEST ENGINEER I	Estimated	40	Hours	
0003 AJ	COMPUTER SYSTEM ANALYST III	Estimated	40	Hours	
0003 AK	ENGINEERING TECHNICIAN VI	Estimated	6,000	Hours	
0003 AL	ENGINEERING TECHNICIAN V	Estimated	12,000	Hours	
0003 AM	ENGINEERING TECHNICIAN IV	Estimated	6,000	Hours	
0003 AN	ENGINEERING TECHNICIAN III	Estimated	40	Hours	
0003 AP	MATERIAL REQUIREMENTS SPECIALIST	Estimated	2,000	Hours	
TOTAL ESTIMATE			36,760		
OVERTIME RATE					
0003 XA	ENGINEER V	Estimated	10		
0003 XC	COMPUTER SCIENTIST	Estimated	40		
0003 XD	SITE MANAGER	Estimated	40		
0003 XE	TEST ENGINEER IV	Estimated	20		
0003 XF	TEST ENGINEER III	Estimated	40		
0003 XG	TEST ENGINEER II	Estimated	20		
0003 XI	TEST ENGINEER I	Estimated	10		
0003 XJ	COMPUTER SYSTEM ANALYST III	Estimated	10		
0003 XK	ENGINEERING TECHNICIAN VI	Estimated	60		
0003 XL	ENGINEERING TECHNICIAN V	Estimated	120		
0003 XM	ENGINEERING TECHNICIAN IV	Estimated	60		
0003 XN	ENGINEERING TECHNICIAN III	Estimated	10		
0003 XP	MATERIAL REQUIREMENTS SPECIALIST	Estimated	40		
TOTAL OVERTIME ESTIMATE			500		
SECOND SHIFT: MON-FRI (1546 HRS THROUGH 2345 HRS)					
0003 DC	COMPUTER SCIENTIST	Estimated	40		
0003 DD	SITE MANAGER	Estimated	40		
0003 DE	TEST ENGINEER IV	Estimated	40		
0003 DF	TEST ENGINEER III	Estimated	40		
0003 DG	TEST ENGINEER II	Estimated	40		
0003 DH	TEST ENGINEER I	Estimated	40		
0003 DJ	COMPUTER SYSTEM ANALYST III	Estimated	40		
0003 DK	ENGINEERING TECHNICIAN VI	Estimated	40		
0003 DL	ENGINEERING TECHNICIAN V	Estimated	40		
0003 DM	ENGINEERING TECHNICIAN IV	Estimated	40		
0003 DN	ENGINEERING TECHNICIAN III	Estimated	40		
TOTAL SECOND SHIFT ESTIMATE			440		
THIRD SHIFT: MON-FRI (2330 HRS THROUGH 0730 HRS)					
0003 DD	SITE MANAGER	Estimated	40		
0003 DF	TEST ENGINEER IV	Estimated	40		
0003 DE	TEST ENGINEER III	Estimated	40		
0003 DJ	COMPUTER SYSTEM ANALYST III	Estimated	40		
0003 DK	ENGINEERING TECHNICIAN VI	Estimated	40		
0003 DI	ENGINEERING TECHNICIAN V	Estimated	40		
0003 DM	ENGINEERING TECHNICIAN IV	Estimated	40		
0003 DN	ENGINEERING TECHNICIAN III	Estimated	40		

	TOTAL THIRD SHIFT ESTIMATE		320	
0003	MATERIALS	Estimated	1 LO	\$1,000,000.00
0003	HANDLING CHARGES % (IF APPLICABLE)			
0003	SUBCONTRACTING	Estimated	1 LO	\$443,000.00
0003	HANDLING CHARGES % (IF APPLICABLE)			
0003	TRAVEL (Cost Reimbursable Item) See Clause 18-423	Estimated	1 LO	\$20,000.00
0003	DATA	*NSP = NOT SEPARATELY PRICED		*NSP
0003	GENERAL & ADMINISTRATIVE % (if applicable, see Clause H 508)			
)
	ESTIMATED OPTION II TOTAL			\$3,061,418.00

LABOR CATEGORIES, FIRST SHIFT, REGULAR RATE

Contractor Assigned #	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EST. TOTAL AMOUNT
0004 AA	ENGINEER V	Estimated	400	Hours	
0004 AB	COMPUTER SCIENTIST	Estimated	2,000	Hours	
0004 AC	PROGRAM MANAGER	Estimated	200	Hours	
0004 AD	SITE MANAGER	Estimated	4,000	Hours	
0004 AE	TEST ENGINEER IV	Estimated	40	Hours	
0004 AF	TEST ENGINEER III	Estimated	2,000	Hours	
0004 AG	TEST ENGINEER II	Estimated	2,000	Hours	
0004 AH	TEST ENGINEER I	Estimated	40	Hours	
0004 AJ	COMPUTER SYSTEM ANALYST III	Estimated	40	Hours	
0004 AK	ENGINEERING TECHNICIAN VI	Estimated	6,000	Hours	
0004 AL	ENGINEERING TECHNICIAN V	Estimated	12,000	Hours	
0004 AM	ENGINEERING TECHNICIAN IV	Estimated	6,000	Hours	
0004 AN	ENGINEERING TECHNICIAN III	Estimated	40	Hours	
0004 AP	MATERIAL REQUIREMENTS SPECIALIST	Estimated	2,000	Hours	

TOTAL ESTIMATE

36,760

OVERTIME RATE

0004 XA	ENGINEER V	Estimated	10		
0004 XC	COMPUTER SCIENTIST	Estimated	40		
0004 XD	SITE MANAGER	Estimated	40		
0004 XE	TEST ENGINEER IV	Estimated	20		
0004 XF	TEST ENGINEER III	Estimated	40		
0004 XG	TEST ENGINEER II	Estimated	20		
0004 XH	TEST ENGINEER I	Estimated	10		
0004 XJ	COMPUTER SYSTEM ANALYST III	Estimated	10		
0004 XK	ENGINEERING TECHNICIAN VI	Estimated	60		
0004 XL	ENGINEERING TECHNICIAN V	Estimated	120		
0004 XM	ENGINEERING TECHNICIAN IV	Estimated	60		
0004 XN	ENGINEERING TECHNICIAN III	Estimated	10		
0004 XP	MATERIAL REQUIREMENTS SPECIALIST	Estimated	40		

TOTAL OVERTIME ESTIMATE

500

SECOND SHIFT: MON-FRI (1545 HRS THROUGH 2345 HRS)

0004 DC	COMPUTER SCIENTIST	Estimated	40		
0004 DD	SITE MANAGER	Estimated	40		
0004 DE	TEST ENGINEER IV	Estimated	40		
0004 DF	TEST ENGINEER III	Estimated	40		
0004 DG	TEST ENGINEER II	Estimated	40		
0004 DH	TEST ENGINEER I	Estimated	40		
0004 DJ	COMPUTER SYSTEM ANALYST III	Estimated	40		
0004 DK	ENGINEERING TECHNICIAN VI	Estimated	40		
0004 DL	ENGINEERING TECHNICIAN V	Estimated	40		
0004 DM	ENGINEERING TECHNICIAN IV	Estimated	40		
0004 DN	ENGINEERING TECHNICIAN III	Estimated	40		

TOTAL SECOND SHIFT ESTIMATE

440

THIRD SHIFT: MON-FRI (2330 HRS THROUGH 0730 HRS)

0004 DO	SITE MANAGER	Estimated	40		
0004 DE	TEST ENGINEER IV	Estimated	40		
0004 DF	TEST ENGINEER III	Estimated	40		
0004 DJ	COMPUTER SYSTEM ANALYST III	Estimated	40		
0004 DK	ENGINEERING TECHNICIAN VI	Estimated	40		
0004 DL	ENGINEERING TECHNICIAN V	Estimated	40		
0004 DM	ENGINEERING TECHNICIAN IV	Estimated	40		
0004 DN	ENGINEERING TECHNICIAN III	Estimated	40		

	TOTAL THIRD SHIFT ESTIMATE		320	
0004	MATERIALS	Estimated	1 LO	\$1,000,000.00
0004	HANDLING CHARGES % (IF APPLICABLE)			
0004	SUBCONTRACTING	Estimated	1 LO	\$443,000.00
0004	HANDLING CHARGES % (IF APPLICABLE)			
0004	TRAVEL (Cost Reimbursable Item) See Clause IR-423	Estimated	1 LO	\$20,000.00
0004	DATA	*NSP = NOT SEPARATELY PRICED		*NSP
0004	GENERAL & ADMINISTRATIVE % (if applicable, see Clause II-568)			
)
	ESTIMATED OPTION III TOTAL			\$3,078,359.20

Attachment 1

FIXED RATE CHART

CLIN 0005

LABOR CATEGORIES, FIRST SHIFT, REGULAR RATE

Contractor Assigned #	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EST TOTAL AMOUNT
0005 AA	ENGINEER V	Estimated 400	Hours		
0005 AB	COMPUTER SCIENTIST	Estimated 2,000	Hours		
0005 AC	PROGRAM MANAGER	Estimated 200	Hours		
0005 AD	SITE MANAGER	Estimated 4,000	Hours		
0005 AE	TEST ENGINEER IV	Estimated 40	Hours		
0005 AF	TEST ENGINEER III	Estimated 2,000	Hours		
0005 AG	TEST ENGINEER II	Estimated 2,000	Hours		
0005 AH	TEST ENGINEER I	Estimated 40	Hours		
0005 AJ	COMPUTER SYSTEM ANALYST III	Estimated 40	Hours		
0005 AK	ENGINEERING TECHNICIAN VI	Estimated 6,000	Hours		
0005 AL	ENGINEERING TECHNICIAN V	Estimated 12,000	Hours		
0005 AM	ENGINEERING TECHNICIAN IV	Estimated 6,000	Hours		
0005 AN	ENGINEERING TECHNICIAN III	Estimated 40	Hours		
0005 AP	MATERIAL REQUIREMENTS SPECIALIST	Estimated 2,000	Hours		
TOTAL ESTIMATE		36,760			
OVERTIME RATE					
0005 XA	ENGINEER V	Estimated 10			
0005 XC	COMPUTER SCIENTIST	Estimated 40			
0005 XD	SITE MANAGER	Estimated 40			
0005 XE	TEST ENGINEER IV	Estimated 20			
0005 XF	TEST ENGINEER III	Estimated 40			
0005 XG	TEST ENGINEER II	Estimated 20			
0005 XH	TEST ENGINEER I	Estimated 10			
0005 XJ	COMPUTER SYSTEM ANALYST III	Estimated 10			
0005 XK	ENGINEERING TECHNICIAN VI	Estimated 60			
0005 XL	ENGINEERING TECHNICIAN V	Estimated 120			
0005 XM	ENGINEERING TECHNICIAN IV	Estimated 80			
0005 XN	ENGINEERING TECHNICIAN III	Estimated 10			
0005 XP	MATERIAL REQUIREMENTS SPECIALIST	Estimated 40			
TOTAL OVERTIME ESTIMATE		500			
SECOND SHIFT: MON-FRI (1540 HRS THROUGH 2345 HRS)					
0005 DC	COMPUTER SCIENTIST	Estimated 40			
0005 DD	SITE MANAGER	Estimated 40			
0005 DF	TEST ENGINEER IV	Estimated 40			
0005 DF	TEST ENGINEER III	Estimated 40			
0005 DG	TEST ENGINEER II	Estimated 40			
0005 DH	TEST ENGINEER I	Estimated 40			
0005 DJ	COMPUTER SYSTEM ANALYST III	Estimated 40			
0005 DK	ENGINEERING TECHNICIAN VI	Estimated 40			
0005 DL	ENGINEERING TECHNICIAN V	Estimated 40			
0005 DM	ENGINEERING TECHNICIAN IV	Estimated 40			
0005 DN	ENGINEERING TECHNICIAN III	Estimated 40			
TOTAL SECOND SHIFT ESTIMATE		440			
THIRD SHIFT: MON-FRI (2330 HRS THROUGH 0730 HRS)					
0005 DO	SITE MANAGER	Estimated 40			
0005 DE	TEST ENGINEER IV	Estimated 40			
0005 DF	TEST ENGINEER III	Estimated 40			
0005 DJ	COMPUTER SYSTEM ANALYST III	Estimated 40			
0005 DK	ENGINEERING TECHNICIAN VI	Estimated 40			
0005 DL	ENGINEERING TECHNICIAN V	Estimated 40			
0005 DM	ENGINEERING TECHNICIAN IV	Estimated 40			
0005 DN	ENGINEERING TECHNICIAN III	Estimated 40			

	TOTAL THIRD SHIFT ESTIMATE		320	
0005	MATERIALS	Estimated	1 LO	\$1,000,000.00
0005	HANDLING CHARGES % (IF APPLICABLE)			
0005	SUBCONTRACTING	Estimated	1 LO	\$443,000.00
0005	HANDLING CHARGES % (IF APPLICABLE)			
0005	TRAVEL (Cost Reimbursable Item) See Clause 1B-423	Estimated	1 LO	\$20,000.00
0005	DATA	*NSP = NOT SEPARATELY PRICED		*NSP
0005	GENERAL & ADMINISTRATIVE % (if applicable, see Clause 11-568)			
	ESTIMATED OPTION IV TOTAL			\$3,095,834.30
	ESTIMATED TOTAL BASE YEAR AND OPTIONS I-IV			\$16,405,301.20

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
	1 2

2. AMENDMENT/MODIFICATION NO. P00008	3. EFFECTIVE DATE 01-Oct-2002	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
---	----------------------------------	----------------------------------	--------------------------------

6. ISSUED BY 88 ARW/PKV POC: GARY VAN CORDER 1940 ALL BROOK DR STE 3 WRIGHT PATTERSON AFB OH 45433-6300	CODE FA8601	7. ADMINISTERED BY (If other than item 6) DCMC-DAYTON 1725 VAN PATTON DRIVE, ARL-AC, BLDG 30 WRIGHT-PATTERSON AFB OH 45433-6302	CODE S3605A
---	----------------	--	----------------

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECTTECH SERVICES CORPORATION DR ROBERT FINCH 325 FREQUENCY RIDGE CENTERVILLE OH 45450-4252	9A. AMENDMENT OF SOLICITATION NO.	
	9B. DATED (SEE ITEM 11)	
	X 10A. MOD. OF CONTRACT/ORDER NO. F33601-01-D-J001	
CODE TW030	FACILITY CODE	X 10D. DATED (SEE ITEM 15) 18-Aug-2000

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer is extended, is not extended.

Offer 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 9 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)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(D).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X D. OTHER (Specify type of modification and authority) IAW 52.217-9 Option to Extend the Term of the Contract
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)

The purpose of this modification is to exercise option period II.

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)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) THOMAS V. YOUNG / CONTRACTING OFFICER
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY <i>Thomas V. Young</i> (Signature of Contracting Officer)	16C. DATE SIGNED 09-Sep-2002

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

Contract Administrator: Gary M. Van Gorder
(937)257-6145 extension 4208
gary.vangorder@wpafb.af.mil

Contracting Officer: Thomas V. Young
(937)257 6145 extension 4400
tom.young@wpafb.af.mil

A. Pursuant to the Option to Extend the Term of the Contract, I 195, FAR 52.217-9, the Government hereby exercises Option Period II for the period 01 October 2002 through 30 September 2003. The value of the option period is \$3,057,439.60.

B. This modification is subject to the availability of funds clause, I-404, FAR 52.232-18.

Availability of Funds (Apr 1984)

Funds are not presently available for this contract. The Government's obligation under this contract is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are made available to the Contracting Officer for this contract and until the Contractor receives notice of such availability, to be confirmed in writing by the Contracting Officer. (End of Clause)

C. Contract clause F-12, Period of Performance, is changed as follows:

FROM: 01 Oct 00 through 30 Sep 02
TO: 01 Oct 02 through 30 Sep 03

D. Clause I-170, Ordering, is changed as follows:

FROM: 01 Oct 00 through 30 Sep 02
TO: 01 Oct 02 through 30 Sep 03

E. Clause I-173, Requirements, is changed as follows:

FROM: 15 Oct 02
TO: 15 Oct 03

F. Department of Labor Wage Determination No. 94-2419 (Rev 20), dated 05-29-2002, is incorporated for the period from 01 Oct 02 through 30 Sep 03.

G. As a result of this modification, the total ceiling price of the subject contract is changed from \$10,019,922.14 to \$12,694,683.55 for an increase of \$2,674,761.41.

H. The current DD 254 remains in effect for this period. Any subsequent revisions will be incorporated into the contract after they are completed.

Attachment
DOL Wage Determination



WAGE DETERMINATION NO: 94-2419 REV (20) AREA: OH, DAYTON

WAGE DETERMINATION NO: 94-2419 REV (20) AREA: OH, DAYTON

REGISTER OF WAGE DETERMINATIONS UNDER

U.S. DEPARTMENT OF LABOR

FOR OFFICIAL USE ONLY BY FEDERAL AGENCIES PARTICIPATING IN MOU WITH DOL

WASHINGTON D.C. 20210

William W. Gross
Director

Division of
Wage Determinations

Wage Determination No.: 1994-2419

Revision No.: 20

Date Of Last Revision: 05/29/2002

States: Indiana, Ohio

Area: Indiana Counties of Randolph, Union, Wayne

Ohio Counties of Champaign, Clark, Clinton, Darke, Greene, Logan, Miami, Montgomery,

Preble, Shelby

Fringe Benefits Required Follow the Occupational Listing

OCCUPATION TITLE	MINIMUM WAGE RATE
Administrative Support and Clerical Occupations	
Accounting Clerk I	10.29
Accounting Clerk II	10.74
Accounting Clerk III	12.55
Accounting Clerk IV	15.66
Court Reporter	15.24
Dispatcher, Motor Vehicle	14.86
Document Preparation Clerk	11.63
Duplicating Machine Operator	11.63
Film/Tape Librarian	10.28
General Clerk I	8.09
General Clerk II	9.09
General Clerk III	10.78
General Clerk IV	12.86
Housing Referral Assistant	17.90
Key Entry Operator I	9.59
Key Entry Operator II	11.31
Messenger (Courier)	9.59
Order Clerk I	10.57
Order Clerk II	14.76
Personnel Assistant (Employment) I	10.93
Personnel Assistant (Employment) II	12.31
Personnel Assistant (Employment) III	14.73
Personnel Assistant (Employment) IV	16.68
Production Control Clerk	16.93
Rental Clerk	12.12
Scheduler, Maintenance	12.93
Secretary I	12.93
Secretary II	14.33
Secretary III	17.90
Secretary IV	19.95
Secretary V	22.14
Service Order Dispatcher	11.90
Stenographer I	10.93
Stenographer II	12.60
Supply Technician	19.95
Survey Worker (Interviewer)	13.24
Switchboard Operator Receptionist	9.36
Test Examiner	11.33

Test Proctor	14.33
Travel Clerk I	10.30
Travel Clerk II	10.98
Travel Clerk III	11.65
Word Processor I	10.93
Word Processor II	12.42
Word Processor III	14.73
Automatic Data Processing Occupations	
Computer Data Librarian	9.90
Computer Operator I	12.26
Computer Operator II	13.79
Computer Operator III	17.34
Computer Operator IV	20.58
Computer Operator V	22.78
Computer Programmer I (1)	20.58
Computer Programmer II (1)	24.74
Computer Programmer III (1)	27.62
Computer Programmer IV (1)	27.62
Computer Systems Analyst I (1)	27.59
Computer Systems Analyst II (1)	27.62
Computer Systems Analyst III (1)	27.62
Peripheral Equipment Operator	13.82
Automotive Service Occupations	
Automotive Body Repairer, Fiberglass	18.94
Automotive Glass Installer	17.14
Automotive Worker	17.14
Electrician, Automotive	17.84
Mobile Equipment Servicer	15.77
Motor Equipment Metal Mechanic	18.52
Motor Equipment Metal Worker	17.14
Motor Vehicle Mechanic	17.38
Motor Vehicle Mechanic Helper	15.09
Motor Vehicle Upholstery Worker	16.46
Motor Vehicle Wrecker	17.14
Painter, Automotive	17.84
Radiator Repair Specialist	17.14
Tire Repairer	15.24
Transmission Repair Specialist	18.52
Food Preparation and Service Occupations	
Baker	11.40
Cook I	10.55
Cook II	11.40
Dishwasher	8.83
Food Service Worker	8.83
Meat Cutter	11.59
Waiter/Waitress	9.22
Furniture Maintenance and Repair Occupations	
Electrostatic Spray Painter	17.84
Furniture Handler	13.73
Furniture Refinisher	17.84
Furniture Refinisher Helper	15.09
Furniture Repairer, Minor	16.46
Upholsterer	19.12
General Services and Support Occupations	
Cleaner, Vehicles	9.61
Elevator Operator	11.07
Gardener	12.16
House Keeping Aid I	8.17
House Keeping Aid II	10.56
Janitor	11.62
Laborer, Grounds Maintenance	11.77
Maid or Houseman	8.17
Pest Controller	12.43
Refuse Collector	12.61
Tractor Operator	11.80

Window Cleaner	12.24
Health Occupations	
Dental Assistant	12.12
Emergency Medical Technician (EMT)/Paramedic/Ambulance Driver	17.02
Licensed Practical Nurse I	15.47
Licensed Practical Nurse II	17.36
Licensed Practical Nurse III	19.42
Medical Assistant	10.84
Medical Laboratory Technician	12.01
Medical Record Clerk	10.70
Medical Record Technician	13.65
Nursing Assistant I	7.73
Nursing Assistant II	8.69
Nursing Assistant III	9.48
Nursing Assistant IV	10.65
Pharmacy Technician	12.28
Phlebotomist	11.88
Registered Nurse I	17.34
Registered Nurse II	21.16
Registered Nurse II, Specialist	21.16
Registered Nurse III	25.61
Registered Nurse III, Anesthetist	25.61
Registered Nurse IV	30.68
Information and Arts Occupations	
Audiovisual Librarian	17.56
Exhibits Specialist I	15.80
Exhibits Specialist II	20.99
Exhibits Specialist III	23.48
Illustrator I	17.90
Illustrator II	23.78
Illustrator III	26.61
Librarian	19.93
Library Technician	12.04
Photographer I	13.33
Photographer II	15.21
Photographer III	20.21
Photographer IV	22.61
Photographer V	25.90
Laundry, Dry Cleaning, Pressing and Related Occupations	
Assembler	7.10
Counter Attendant	7.10
Dry Cleaner	9.14
Finisher, Flatwork, Machine	7.10
Presser, Hand	7.10
Presser, Machine, Drycleaning	7.10
Presser, Machine, Shirts	7.10
Presser, Machine, Wearing Apparel, Laundry	7.10
Sewing Machine Operator	9.78
Tailor	10.43
Washer, Machine	7.84
Machine Tool Operation and Repair Occupations	
Machine-Tool Operator (Toolroom)	18.41
Tool and Die Maker	22.90
Material Handling and Packing Occupations	
Forklift Operator	15.45
Fuel Distribution System Operator	16.76
Material Coordinator	18.61
Material Expediter	18.61
Material Handling Laborer	17.65
Order Filler	10.74
Production Line Worker (Food Processing)	15.69
Shipping Packer	13.98
Shipping/Receiving Clerk	12.71
Stock Clerk (Shelf Stocker; Store Worker II)	14.83
Store Worker I	12.07

Tools and Parts Attendant	15.86
Warehouse Specialist	15.86
Mechanics and Maintenance and Repair Occupations	
Aircraft Mechanic	19.78
Aircraft Mechanic Helper	15.86
Aircraft Quality Control Inspector	20.53
Aircraft Servicer	17.63
Aircraft Worker	18.34
Appliance Mechanic	17.84
Bicycle Repairer	15.24
Cable Splicer	19.52
Carpenter, Maintenance	17.84
Carpet Layer	17.14
Electrician, Maintenance	23.12
Electronics Technician, Maintenance I	13.01
Electronics Technician, Maintenance II	19.16
Electronics Technician, Maintenance III	20.04
Fabric Worker	17.63
Fire Alarm System Mechanic	19.82
Fire Extinguisher Repairer	16.86
Fuel Distribution System Mechanic	18.52
General Maintenance Worker	17.14
Heating, Refrigeration and Air Conditioning Mechanic	18.52
Heavy Equipment Mechanic	18.52
Heavy Equipment Operator	20.24
Instrument Mechanic	19.82
Laborer	12.74
Locksmith	19.12
Machinery Maintenance Mechanic	23.11
Machinist, Maintenance	17.49
Maintenance Trades Helper	15.09
Millwright	23.24
Office Appliance Repairer	19.12
Painter, Aircraft	20.31
Painter, Maintenance	17.84
Pipefitter, Maintenance	19.88
Plumber, Maintenance	19.16
Pneumatic Systems Mechanic	19.82
Rigger	19.82
Scale Mechanic	18.34
Sheet Metal Worker, Maintenance	19.42
Small Engine Mechanic	17.14
Telecommunication Mechanic I	18.92
Telecommunication Mechanic II	21.18
Telephone Lineman	19.82
Welder, Combination, Maintenance	18.58
Well Driller	20.37
Woodcraft Worker	19.82
Woodworker	15.77
Miscellaneous Occupations	
Animal Caretaker	9.72
Carnival Equipment Operator	11.80
Carnival Equipment Repairer	12.13
Carnival Worker	10.14
Cashier	7.63
Desk Clerk	9.14
Embalmer	18.00
Lifeguard	9.51
Mortician	22.77
Park Attendant (Aide)	11.94
Photofinishing Worker (Photo Lab Tech., Darkroom Tech)	9.37
Recreation Specialist	12.67
Recycling Worker	14.45
Sales Clerk	9.34
School Crossing Guard (Crosswalk Attendant)	9.71

Sport Official	9.51
Survey Party Chief (Chief of Party)	17.64
Surveying Aide	9.05
Surveying Technician (Instr. Person/Surveyor Asst./Instr.)	13.86
Swimming Pool Operator	12.76
Vending Machine Attendant	11.13
Vending Machine Repairer	12.54
Vending Machine Repairer Helper	11.13
Personal Needs Occupations	
Child Care Attendant	9.14
Child Care Center Clerk	13.56
Chore Aid	9.14
Homemaker	13.05
Plant and System Operation Occupations	
Boiler Tender	21.30
Sewage Plant Operator	17.84
Stationary Engineer	21.87
Ventilation Equipment Tender	16.66
Water Treatment Plant Operator	17.84
Protective Service Occupations	
Alarm Monitor	13.75
Corrections Officer	13.98
Court Security Officer	20.22
Detention Officer	19.49
Firefighter	18.37
Guard I	9.21
Guard II	14.40
Police Officer	22.07
Stevedoring/Longshoremen Occupations	
Blocker and Bracer	17.82
Hatch Tender	18.06
Line Handler	18.06
Stevedore I	15.57
Stevedore II	16.88
Technical Occupations	
Air Traffic Control Specialist, Center (2)	28.47
Air Traffic Control Specialist, Station (2)	19.63
Air Traffic Control Specialist, Terminal (2)	21.32
Archeological Technician I	15.49
Archeological Technician II	17.35
Archeological Technician III	21.47
Cartographic Technician	22.81
Civil Engineering Technician	20.21
Computer Based Training (CBT) Specialist/ Instructor	28.69
Drafter I	13.53
Drafter II	15.20
Drafter III	17.35
Drafter IV	23.05
Engineering Technician I	12.92
Engineering Technician II	14.52
Engineering Technician III	19.57
Engineering Technician IV	21.03
Engineering Technician V	25.65
Engineering Technician VI	31.11
Environmental Technician	19.68
Flight Simulator/Instructor (Pilot)	27.62
Graphic Artist	20.39
Instructor	22.82
Laboratory Technician	16.10
Mathematical Technician	20.49
Paralegal/Legal Assistant I	15.06
Paralegal/Legal Assistant II	20.98
Paralegal/Legal Assistant III	25.58
Paralegal/Legal Assistant IV	31.04
Photooptics Technician	19.06

Technical Writer	27.08
Unexploded (UXO) Safety Escort	18.10
Unexploded (UXO) Sweep Personnel	18.10
Unexploded Ordnance (UXO) Technician I	18.10
Unexploded Ordnance (UXO) Technician II	21.89
Unexploded Ordnance (UXO) Technician III	26.24
Weather Observer, Combined Upper Air and Surface Programs (3)	14.88
Weather Observer, Senior (3)	16.52
Weather Observer, Upper Air (3)	14.88
Transportation/ Mobile Equipment Operation Occupations	
Bus Driver	14.21
Parking and Lot Attendant	7.59
Shuttle Bus Driver	12.89
Taxi Driver	10.51
Truckdriver, Heavy Truck	16.29
Truckdriver, Light Truck	11.66
Truckdriver, Medium Truck	13.88
Truckdriver, Tractor-Trailer	16.72

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: \$2.15 an hour or \$86.00 a week or \$372.67 a month

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 8 years, and 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of eleven paid holidays per year: New Year's Day, Martin Luther King Jr.'s Birthday, Washington's Birthday, Good Friday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved. (See 29 CFR 4.174)

THE OCCUPATIONS WHICH HAVE PARENTHESES AFTER THEM RECEIVE THE FOLLOWING BENEFITS (as numbered):

- 1) Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See CFR 4.156)
 - 2) APPLICABLE TO AIR TRAFFIC CONTROLLERS ONLY NIGHT DIFFERENTIAL: An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.
 - 3) WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).
- HAZARDOUS PAY DIFFERENTIAL: An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordnance, explosives, and incendiary materials. This includes work such as screening, blending, drying, mixing, and pressing of sensitive ordnance, explosives, and pyrotechnic compositions such as lead azide, black powder and photoflash powder. All dry-house activities involving propellants or explosives. Demilitarization, modification, renovation, demolition, and maintenance operations on sensitive ordnance, explosives and incendiary materials. All operations involving regrading and cleaning of artillery ranges. A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with, or in close proximity to ordnance, (or employees possibly adjacent to) explosives and incendiary materials which involves potential injury such as laceration of hands, face, or arms of the employee engaged in the operation, irritation of the skin, minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving, unloading, storage, and hauling of ordnance, explosive, and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordnance, explosives, and incendiary material differential pay.
- ** UNIFORM ALLOWANCE ****

If employees are required to wear uniforms in the performance of this contract (either by

the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:
 The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$3.35 per week (or \$.67 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Title and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by the Third Supplement, dated March 1997, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE {Standard Form 1444 (SF 1444)}

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. (See Section 4.6 (C) (vi)) When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour decision to the contractor.
- 6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations"

(the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
	1 2

2. AMENDMENT/MODIFICATION NO. P00007	3. EFFECTIVE DATE 12-Aug-2002	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO.(If applicable)
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6. ISSUED BY ASCP/KWO 1940 ALLBROOK DRIVE, SUITE 3 WRIGHT-PATTERSON AFB OH 45433-5309	CODE FA8601	7. ADMINISTERED BY (If other than item 6) DCMC-DAYTON 1725 VAN PATTON DRIVE, AREA D, BLDG 30 WRIGHT-PATTERSON AFB OH 45433-5302	CODE S3605A
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8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECTTECH SERVICES CORPORATION DR ROBERT FINCH 325 REGENCY RIDGE CENTERVILLE OH 45450-4252	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	X 10A. MOD. OF CONTRACT/ORDER NO. F33601-01-D-J001
	X 10B. DATED (SEE ITEM 11) 18-Aug-2000

CODE 7W030 FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer is extended, is not extended.

Offer 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):

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

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 43.101(B).

X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
IAW 52 232-7, Payments Under Time-and-Materials and Labor-Hours Contracts

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
The purpose of this modification is to increase the ceiling on Option Period I.

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) Maxine H. Ofum, Board Chairman	15B. CONTRACT OFFICER 	15C. DATE SIGNED 13 Aug 2002	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Thomas V. Young	16B. UNITED STATES OF AMERICA BY Thomas V. Young (Signature of Contracting Officer)	16C. DATE SIGNED 13 Aug 02
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SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SUMMARY OF CHANGES

- A. The purpose of this modification is to increase the contract ceiling price.
- B. The estimated amount for Option Period I, CLIN 0002, is changed from **Estimated** \$3,937,965.20 to **Estimated** \$4,236,965.20, an increase of \$299,000.00.
- C. The estimated ceiling amount Base plus Option Period I is increased from **Estimated** \$6,870,690.30 to **Estimated** \$7,169,690.30, an increase of \$299,000.00.
- D. The ceiling price of subject contract is changed from **Estimated Total Ceiling** \$16,094,366.00 to **Estimated Total Ceiling** \$16,393,366.00; an increase of \$299,000.00.
- E. This supplemental agreement constitutes full and final settlement of any and all claims which may arise out of actions prescribed herein.
- F. The Contract Administrator for this effort is Gary M. Van Gorder at 937-257-6145 extension 4208 or e-mail at gary.vangorder@wpafb.af.mil. The Contracting Officer is Thomas V. Young, 937-257-6145, extension 4400 or e-mail at tom.young@wpafb.af.mil.

OPTION 1, 01 OCT 2001 - 30 SEP 2002

CONTRACT NUMBER F33602-01-UJ001

Attachment 1

FIXED RATE CHART
CLIN 0002

DESCRIPTION

QUANTITY

UNIT

UNIT PRICE

EST. TOTAL AMOUNT

LABOR CATEGORIES - FIRST SHIFT

REGULAR RATE	Engineer V	Estimated	400	Hours	.
REGULAR RATE	Computer Scientist	Estimated	2000	Hours	.
REGULAR RATE	Program Manager	Estimated	200	Hours	.
REGULAR RATE	Site Manager	Estimated	4000	Hours	.
REGULAR RATE	Test Engineer IV	Estimated	40	Hours	.
REGULAR RATE	Test Engineer III	Estimated	2000	Hours	.
REGULAR RATE	Test Engineer II	Estimated	2000	Hours	.
REGULAR RATE	Test Engineer I	Estimated	40	Hours	.
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours	.
REGULAR RATE	Engineering Technician VI	Estimated	8000	Hours	.
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours	.
REGULAR RATE	Engineering Technician IV	Estimated	6000	Hours	.
REGULAR RATE	Engineering Technician III	Estimated	40	Hours	.
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours	.

TOTAL ESTIMATE 36760

OVERTIME RATE	Test Engineer V	Estimated	10	Hours	.
OVERTIME RATE	Computer Scientist	Estimated	40	Hours	.
OVERTIME RATE	Site Manager	Estimated	40	Hours	.
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours	.
OVERTIME RATE	Test Engineer III	Estimated	40	Hours	.
OVERTIME RATE	Test Engineer II	Estimated	20	Hours	.
OVERTIME RATE	Test Engineer I	Estimated	10	Hours	.
OVERTIME RATE	Computer System Analyst III	Estimated	10	Hours	.
OVERTIME RATE	Engineering Tech VI	Estimated	60	Hours	.
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours	.
OVERTIME RATE	Engineering Tech IV	Estimated	60	Hours	.
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours	.
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours	.

TOTAL OVERTIME ESTIMATE 600

SECOND SHIFT: MON - FRI (1545 HRS THROUGH 2345 HRS)

SECOND SHIFT	Computer Scientist	Estimated	40	Hours	.
SECOND SHIFT	Site Manager	Estimated	40	Hours	.
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours	.
SECOND SHIFT	Test Engineer III	Estimated	40	Hours	.
SECOND SHIFT	Test Engineer II	Estimated	40	Hours	.
SECOND SHIFT	Test Engineer I	Estimated	40	Hours	.
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours	.
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours	.
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours	.
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours	.
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours	.

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON - FRI (2330 HRS - 0730 HRS)

THIRD SHIFT	Site Manager	Estimated	40	Hours	.
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours	.
THIRD SHIFT	Test Engineer III	Estimated	40	Hours	.
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours	.
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours	.
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours	.
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours	.
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours	.

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS	Estimated	1 LU	<u>\$1,598,000.00</u>
Handling charges % (if applicable)			
SUBCONTRACTING	Estimated	1 LU	<u>\$1,041,000.00</u>
Handling charges % (if applicable)			
TRAVEL (Cost Reimbursable Item) See Clause IB-423	Estimated	1 LU	<u>\$20,000.00</u>
DATA (NSP) - Not Separately Priced			<u>NSP</u>
GENERAL & ADMINISTRATIVE % (if applicable - see Clause H-344)			
ESTIMATED OPTION # TOTAL			<u>\$4,236,960.20</u>

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
	1 2

2. AMENDMENT/MODIFICATION NO. PD0006	3. EFFECTIVE DATE 12-Jul-2002	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY ASC/PKWT 1940 ALLBROOK DRIVE, SUITE 3 WRIGHT PATTERSON AFB OH 45433-6309	CODE FA8601	7. ADMINISTERED BY (If other than item 6) DDMC-DAYTON 1725 VAN PATTON DRIVE, AREA C, BLDG 30 WRIGHT-PATTERSON AFB OH 45433-5302	

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECT TECH SERVICES CORPORATION DR ROBERT FINCH 325 REGENCY RIDGE CENTERVILLE OH 45158-4252	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	X 10A. MOD. OF CONTRACT/ORDER NO. F33601-D1-D-1001
	X 10B. DATED (SEE ITEM 13) 18-Aug-2000

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offer is extended, is not extended.

Offer may 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)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14

A THIS CHANGE ORDER IS ISSUED PURSUANT TO. (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A

B THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).

X C THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF MAW 52.232-7, Payments under Time-and-Materials & Labor-Hours Contracts

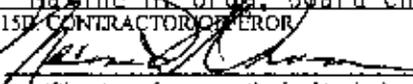
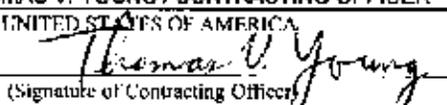
D OTHER (Specify type of modification and authority)

E IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to increase the ceiling for Option Period I and to increase the Total Contract Ceiling.

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) Maxine R. Drum, Board Chairman	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) THOMAS V. YOUNG / CONTRACTING OFFICER
15B. CONTRACTOR OFFICER  (Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
15C. DATE SIGNED 15 July 2002	16C. DATE SIGNED 12-Jul-2002

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

- A. The purpose of this modification is to increase the contract ceiling price.
- B. The estimated amount for Option Period I, CLIN 0002, is changed from Estimated \$3,638,965.20 to Estimated \$3,937,965.20; an increase of \$299,000.00.
- C. The estimated ceiling amount Base plus Option Period I is increased from Estimated \$6,571,690.30 to Estimated \$6,870,690.30; an increase of \$299,000.00.
- D. The ceiling price of subject contract is changed from Estimated Total Ceiling \$15,795,366.00 to Estimated Total Ceiling \$16,094,366.00; an increase of \$299,000.00.
- E. This supplemental agreement constitutes full and final settlement of any and all claims which may arise out of actions prescribed herein.
- F. The Contract Administrator for this effort is Gary M. Van Gorder at 937-257-6145 extension 4208 or e-mail at gary.vangorder@wpafb.af.mil. The Contracting Officer is Madonna J. Hart, 937-257-6145, extension 4238 or e-mail at madonna.hart@wpafb.af.mil.

Attachment 1

FIXED RATE CHART

DESCRIPTION

QUANTITY

UNIT

UNIT PRICE

EST. TOTAL AMOUNT

CLIN 0002

LABOR CATEGORIES, FIRST SHIFT

REGULAR RATE	Engineer V	Estimated	400	Hours	
REGULAR RATE	Computer Scientist	Estimated	2000	Hours	
REGULAR RATE	Program Manager	Estimated	200	Hours	
REGULAR RATE	Site Manager	Estimated	4000	Hours	
REGULAR RATE	Test Engineer IV	Estimated	40	Hours	
REGULAR RATE	Test Engineer III	Estimated	2000	Hours	
REGULAR RATE	Test Engineer II	Estimated	2000	Hours	
REGULAR RATE	Test Engineer I	Estimated	40	Hours	
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours	
REGULAR RATE	Engineering Technician VI	Estimated	6000	Hours	
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours	
REGULAR RATE	Engineering Technician IV	Estimated	6000	Hours	
REGULAR RATE	Engineering Technician III	Estimated	40	Hours	
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours	

TOTAL ESTIMATE 36760

OVERTIME RATE	Test Engineer V	Estimated	10	Hours	
OVERTIME RATE	Computer Scientist	Estimated	40	Hours	
OVERTIME RATE	Site Manager	Estimated	40	Hours	
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours	
OVERTIME RATE	Test Engineer III	Estimated	40	Hours	
OVERTIME RATE	Test Engineer II	Estimated	20	Hours	
OVERTIME RATE	Test Engineer I	Estimated	10	Hours	
OVERTIME RATE	Computer Systems Analyst III	Estimated	10	Hours	
OVERTIME RATE	Engineering Tech VI	Estimated	60	Hours	
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours	
OVERTIME RATE	Engineering Tech IV	Estimated	60	Hours	
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours	
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours	

TOTAL OVERTIME ESTIMATE 500

SECOND SHIFT: MON - FRI (1545 HRS THROUGH 2345 HRS)

SECOND SHIFT	Computer Scientist	Estimated	40	Hours	
SECOND SHIFT	Site Manager	Estimated	40	Hours	
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours	
SECOND SHIFT	Test Engineer III	Estimated	40	Hours	
SECOND SHIFT	Test Engineer II	Estimated	40	Hours	
SECOND SHIFT	Test Engineer I	Estimated	40	Hours	
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours	

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON - FRI (2350 HRS - 0730 HRS)

THIRD SHIFT	Site Manager	Estimated	40	Hours	
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours	
THIRD SHIFT	Test Engineer III	Estimated	40	Hours	
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours	

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS Estimated 1 LO \$1,299,000.00

Handling charges % (if applicable)

SUBCONTRACTING Estimated 1 LO \$1,041,000.00

Handling charges % (if applicable)

TRAVEL (Cost Reimbursable Item)See Clause ID-423 Estimated 1 LO \$20,000.00

DATA *(NSP)- Not Separately Priced NSP*

GENERAL & ADMINISTRATIVE % (if applicable, see Clause H-568)

ESTIMATED OPTION 1 TOTAL \$3,937,965.20

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			0	1	2
2. AMENDMENT/MODIFICATION NO. P00005	3. EFFECTIVE DATE 16-Apr-2002	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)		
6. ISSUED BY ASC/PKWQ 1940 ALLBROOK DRIVE, SUITE 3 WRIGHT-PATTERSON AFB, OH 45433-5309	CODE FA8601	7. ADMINISTERED BY (if other than item 6) DCMC DAYTON 1725 VAN PATTON DRIVE, AREA C, BLDG 30 WRIGHT-PATTERSON AFB, OH 45433-5302		CODE S3605A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECT TECH SERVICES CORPORATION 325 REGENCY RIDGE CENTERVILLE, OH 45459-4252			9A. AMENDMENT OF SOLICITATION NO.		
CODE 7W030			9B. DATED (SEE ITEM 11)		
FACILITY CODE			X 10A. MOD. OF CONTRACT/ORDER NO. F33601-01-D-0001		
			X 10B. DATED (SEE ITEM 13) 18-Aug-2000		
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 offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>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:</p> <p>(a) By completing items 8 and 15, and returning _____ copies of the document; (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 THE 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.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (if required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF FAR 52.232-7 - "Payments Under Time-Artd-Materials & Labor-Hour Contracts" (Clause 1-389)					
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 issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UICF section headings, including solicitation/contract subject matter where feasible.) Ceiling Increase					
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) LINDA H. VIKMANUS, PRESIDENT			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) MADONNA S. HARRIS		
15B. CONTRACTOR OFFEROR <i>Linda H. Vikmanus</i> (Signature of person authorized to sign)		15C. DATE SIGNED 5/01/02	16B. UNITED STATES OF AMERICA BY <i>Madonna Harris</i> (Signature of Contracting Officer)		16C. DATE SIGNED 2 May 02

CONTINUATION SHEETREFERENCE NO. OF DOCUMENT BEING CONTINUED
F33601-01-D-J001-P00005PAGE
2 OF 2NAME OF OFFEROR OR CONTRACTOR
SELECTTECH SERVICES CORPORATION

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

- A. The purpose of this modification is to increase the contract ceiling price.
- B. The estimated amount for Option I, CLIN 0002, is changed from **ESTIMATED** \$3,339,965.20 to **ESTIMATED** \$3,638,965.20; an increase of \$299,000.00.
- C. The estimated ceiling amount of Base plus Option I is increased from \$6,272,690.30 to \$6,571,690.30; an increase of \$299,000.00.
- D. The ceiling price of subject contract is changed from **ESTIMATED TOTAL CEILING** \$15,496,366.60 to **ESTIMATED TOTAL CEILING** \$15,795,366.60; an increase of \$299,000.00.
- E. A revised Fixed Rate Chart is attached hereto reflecting an increase to the subcontracting category.
- F. This supplemental agreement constitutes full and final settlement of any and all claims which may arise out of the actions proscribed herein.
- G. The Contract Administrator for this effort is Candace Thompkins at 937-257-6145, extension 4214 or e-mail at candace.thompkins@wpafb.af.mil. The Contracting Officer is Madonna J. Hart, 937-257-6145, extension 4238 or e-mail at madonna.hart@wpafb.af.mil.

Attachment 1

FIXED RATE CHART CUH 0002 LABOR CATEGORIES, FIRST SHIFT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EST. TOTAL AMOUNT
REGULAR RATE	Engineer V	Estimated	400	Hours	
REGULAR RATE	Computer Scientist	Estimated	2000	Hours	
REGULAR RATE	Program Manager	Estimated	200	Hours	
REGULAR RATE	Site Manager	Estimated	4000	Hours	
REGULAR RATE	Test Engineer IV	Estimated	40	Hours	
REGULAR RATE	Test Engineer III	Estimated	2000	Hours	
REGULAR RATE	Test Engineer II	Estimated	2000	Hours	
REGULAR RATE	Test Engineer I	Estimated	40	Hours	
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours	
REGULAR RATE	Engineering Technician VI	Estimated	6000	Hours	
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours	
REGULAR RATE	Engineering Technician IV	Estimated	6000	Hours	
REGULAR RATE	Engineering Technician III	Estimated	40	Hours	
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours	
TOTAL ESTIMATE			36760		
OVERTIME RATE	Test Engineer V	Estimated	10	Hours	
OVERTIME RATE	Computer Scientist	Estimated	40	Hours	
OVERTIME RATE	Site Manager	Estimated	40	Hours	
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours	
OVERTIME RATE	Test Engineer III	Estimated	40	Hours	
OVERTIME RATE	Test Engineer II	Estimated	20	Hours	
OVERTIME RATE	Test Engineer I	Estimated	10	Hours	
OVERTIME RATE	Computer Systems Analyst III	Estimated	10	Hours	
OVERTIME RATE	Engineering Tech VI	Estimated	80	Hours	
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours	
OVERTIME RATE	Engineering Tech IV	Estimated	80	Hours	
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours	
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours	
TOTAL OVERTIME ESTIMATE			500		
SECOND SHIFT: MON - FRI (1545 HRS THROUGH 2045 HRS)					
SECOND SHIFT	Computer Scientist	Estimated	40	Hours	
SECOND SHIFT	Site Manager	Estimated	40	Hours	
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours	
SECOND SHIFT	Test Engineer III	Estimated	40	Hours	
SECOND SHIFT	Test Engineer II	Estimated	40	Hours	
SECOND SHIFT	Test Engineer I	Estimated	40	Hours	
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours	
TOTAL SECOND SHIFT ESTIMATE			440		
THIRD SHIFT: MON - FRI (2330 HRS - 0730 HRS)					
THIRD SHIFT	Site Manager	Estimated	40	Hours	
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours	
THIRD SHIFT	Test Engineer III	Estimated	40	Hours	
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours	
TOTAL THIRD SHIFT ESTIMATE			320		
MATERIALS		Estimated	1	LO	\$1,000,000.00
Handling charges % (if applicable)					
SUBCONTRACTING		Estimated	1	LO	\$1,041,000.00
Handling charges % (if applicable)					
TRAVEL (Cost Reimbursable Item) See Clause 1B-423		Estimated	1	LO	\$20,000.00
DATA (NSP)= Not Separately Priced					NSP
GENERAL & ADMINISTRATIVE % (if applicable, see Clause 11-56a)					
ESTIMATED OPTION 1 TOTAL					\$3,628,865.20

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				F. CONTRACT ID CODE	PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. P00004				0	1	2
3. EFFECTIVE DATE 25-Mar-2002		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)		
6. ISSUED BY ASC/PKWO 1940 ALLBROOK DRIVE, SUITE 3 WRIGHT-PATTERSON AFB, OH 45433-5309		CODE FA8601	7. ADMINISTERED BY (If other than item 6) DCMC-DAYTON 1725 VAN PATTON DRIVE, AREA C, BLDG 30 WRIGHT-PATTERSON AFB, OH 45433-5302		CODE S3605A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SFLICTTECH SERVICES CORPORATION 325 REGENCY RIDGE CENTERVILLE, OH 45459-4252 CODE 7W030 FACILITY CODE				9A. AMENDMENT OF SOLICITATION NO.		
				9B. DATED (SEE ITEM 11)		
				X 10A. MOD. OF CONTRACT/ORDER NO. F33601-01-D-J001		
				X 10B. DATED (SEE ITEM 13) 18-Aug-2000		
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 Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.						
<small>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 document; (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 THE 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.</small>						
12. ACCOUNTING AND APPROPRIATION DATA (If required)						
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.						
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).						
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.232-7 - "Payments Under Time-And-Materials & Labor-Hour Contracts" (Clause 1-389)						
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 <u>1</u> copies to the issuing office.						
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Ceiling Increase.						
<small>Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as herein changed, remain unchanged and in full force and effect.</small>						
15A. NAME AND TITLE OF SIGNER (Type or print) <i>Robert B. Finch, Ph.D. President</i>			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <i>Contracting Officer</i>			
15B. CONTRACTOR/OFFEROR <i>Robert B. Finch</i> (Signature of person authorized to sign)		15C. DATE SIGNED <i>28 March 02</i>	16B. UNITED STATES OF AMERICA BY <i>Medona Hart</i> (Signature of Contracting Officer)		16C. DATE SIGNED <i>28 March 02</i>	
EXCEPTION TO SF 30 APPROVED BY OIRM 11-84		30-105-04		STANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243		

NAME OF OFFEROR OR CONTRACTOR
SELECTTECH SERVICES CORPORATION

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

- A. The purpose of this modification is to increase the contract ceiling price.
- B. The estimated amount for Option I, CLIN 0002, is changed from **ESTIMATED** \$3,040,965.20 to **ESTIMATED** \$3,339,965.20; an increase of \$299,000.00.
- C. The estimated ceiling amount of Base plus Option I is increased from \$5,973,690.30 to \$6,272,690.30; an increase of \$299,000.00.
- D. The ceiling price of subject contract is changed from **ESTIMATED TOTAL CEILING** \$15,197,366.60 to **ESTIMATED TOTAL CEILING** \$15,496,366.60; an increase of \$299,000.00.
- E. A revised Fixed Rate Chart is attached hereto reflecting an increase to the subcontracting category.
- F. The Contract Administrator for this effort is Candace Thompkins at 937-257-6145, extension 4214 or e-mail at candace.thompkins@wpafb.af.mil. The Contracting Officer is Madonna J. Hart, 937-257-6145, extension 4238 or e-mail at madonna.hart@wpafb.af.mil.

Attachment 1

OPTIONAL LINE ITEM
 CLIN 0002

DESCRIPTION

QUANTITY

UNIT

UNIT PRICE

EST. TOTAL AMOUNT

LABOR CATEGORIES, FIRST SHIFT

REGULAR RATE	Engineer V	Estimated	400	Hours
REGULAR RATE	Computer Scientist	Estimated	2000	Hours
REGULAR RATE	Program Manager	Estimated	200	Hours
REGULAR RATE	Site Manager	Estimated	4000	Hours
REGULAR RATE	Test Engineer IV	Estimated	40	Hours
REGULAR RATE	Test Engineer III	Estimated	2000	Hours
REGULAR RATE	Test Engineer II	Estimated	2000	Hours
REGULAR RATE	Test Engineer I	Estimated	40	Hours
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours
REGULAR RATE	Engineering Technician VI	Estimated	6000	Hours
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours
REGULAR RATE	Engineering Technician IV	Estimated	6000	Hours
REGULAR RATE	Engineering Technician III	Estimated	40	Hours
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours

TOTAL ESTIMATE 36780

OVERTIME RATE	Test Engineer V	Estimated	10	Hours
OVERTIME RATE	Computer Scientist	Estimated	40	Hours
OVERTIME RATE	Site Manager	Estimated	40	Hours
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours
OVERTIME RATE	Test Engineer III	Estimated	40	Hours
OVERTIME RATE	Test Engineer II	Estimated	20	Hours
OVERTIME RATE	Test Engineer I	Estimated	10	Hours
OVERTIME RATE	Computer Systems Analyst III	Estimated	10	Hours
OVERTIME RATE	Engineering Tech VI	Estimated	60	Hours
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours
OVERTIME RATE	Engineering Tech IV	Estimated	60	Hours
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours

TOTAL OVERTIME ESTIMATE 500

SECOND SHIFT: MON - FRI (1545 HRS THROUGH 2345 HRS)

SECOND SHIFT	Computer Scientist	Estimated	40	Hours
SECOND SHIFT	Site Manager	Estimated	40	Hours
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours
SECOND SHIFT	Test Engineer III	Estimated	40	Hours
SECOND SHIFT	Test Engineer II	Estimated	40	Hours
SECOND SHIFT	Test Engineer I	Estimated	40	Hours
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON-FRI (2330 HRS - 0730 HRS)

THIRD SHIFT	Site Manager	Estimated	40	Hours
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours
THIRD SHIFT	Test Engineer III	Estimated	40	Hours
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS Estimated 1 LU \$1,000,000.00

SUBCONTRACTING Estimated 1 LU \$742,000.00

TRAVEL (Cost Reimbursable Item) See Clause IB-423 Estimated 1 LU \$20,000.00

DATA (NSP) Not Separately Priced NSP

GENERAL & ADMINISTRATIVE % (if applicable, see Clause H 565)

ESTIMATED OPTION E TOTAL \$3,339,965.20

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES	
				0	1	3
2. AMENDMENT/MODIFICATION NO. 1700003	3. EFFECTIVE DATE 01-Oct-2001	4. REQUISITION/PURCHASE REQ NO.	5. PROJECT NO. (If applicable)			
6. ISSUED BY ASC/PKWO 1940 ALLBROOK DRIVE, SUITE 3 WRIGHT PATTERSON AFB, OH 45433-5309	CODE FAB601	7. ADMINISTERED BY (If other than item 6) DCMG-DAYTON 1725 VAN PATTON DRIVE, AREA C, BLDG 30 WRIGHT PATTERSON AFB, OH 45433-5302		CODE S3605A		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECTTECH SERVICES CORPORATION 325 REGENCY RIDGE CENTERVILLE, OH 45459-4252 CODE 7W030 FACILITY CODE				9A. AMENDMENT OF SOLICITATION NO.		
				9B. DATED (SEE ITEM 11)		
				X 10A. MOD. OF CONTRACT/ORDER NO F33601-01-D-J001		
				X 10B. DATED (SEE ITEM 13) 18 Aug 2000		
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 Offer <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 document. (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 THE 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)						
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.						
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).						
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X D. OTHER (Specify type of modification and authority) LAW CAUSE 1-285 - "FLSA AND SCA "PRICE ADJUSTMENT"						
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.						
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) DOL WAGE ADJUSTMENT						
<small>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.</small>						
15A. NAME AND TITLE OF SIGNER (Type or print) Robert B. Finch, PhD President				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Madonna S. Harris Contracting Officer		
15B. CONTRACTOR/OFFEROR Robert B. Finch (Signature of person authorized to sign)		15C. DATE SIGNED 1 March 02	16B. UNITED STATES OF AMERICA BY Madonna S. Harris (Signature of Contracting Officer)		16C. DATE SIGNED 7 Mar 02	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED F33601 01-D-J001-P00003	PAGE 2 OF 3
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NAME OF OFFEROR OR CONTRACTOR
SELECTTECH SERVICES CORPORATION

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

- A. Subject contract is hereby modified to increase the labor rates due to a revised Department of Labor Wage Determination #94-2419 (Rev 18) added by Modification P00002, effective 01 Oct 2001.
- B. The revised Fixed Rate Charts, pages 1 through 5, are included as Attachment 1 hereto.
- C. As a result of this modification, the total **ESTIMATED** amount of Option I is increased from \$2,948,662.80 to \$3,040,965.20, an increase of \$92,302.40.
- D. As a result of this modification, the total **ESTIMATED** amount of Option II is increased from \$2,965,157.20 to \$3,057,439.60, an increase of \$92,302.40.
- E. As a result of this modification, the total **ESTIMATED** amount of Option III is increased from \$2,982,078.40 to \$3,074,380.80, an increase of \$92,302.40.
- F. As a result of this modification, the total **ESTIMATED** amount of Option IV is increased from \$2,999,553.50 to \$3,091,855.90, an increase of \$92,302.40.
- G. The **TOTAL CONTRACT CEILING PRICE** is changed from **ESTIMATED TOTAL CEILING** amount of \$14,828,157.00 to **ESTIMATED TOTAL CEILING** amount of \$15,197,366.60, an increase of \$369,209.60.
- H. The contract maximum is herewith changed to read as follows:
- FROM: \$15,000,000.00**
TO: \$16,000,000.00
- J. Reference Paragraph H, Modification P00002 dated 6 Sep 02. An inadvertent typographical error states Wage Determination #94-2419 (Rev 15) is incorporated into the contract. This modification will correct that error to read (Rev 18).
- K. This supplemental agreement constitutes full and final settlement of any and all claims which may arise out of the actions prescribed herein.
- L. The Contract Administrator for this effort is Candace Thompkins at (937) 257-6145, ext. 4214, or e-mail at candace.thompkins@wpafb.af.mil. The Contracting Officer is Madonna J. Hart at (937-257-6145, ext. 4238 or e-mail at madonna.hart@wpafb.af.mil.

CONTINUATION SHEETREFERENCE NO. OF DOCUMENT BEING CONTINUED
133601-01-D-J001-P00003PAGE
3 01 3NAME OF OFFEROR OR CONTRACTOR
SELECTTECH SERVICES CORPORATIONAtch (1)
Revised Fixed Rate Charts

Attachment 1

FIXED RATE CHART

DESCRIPTION

QUANTITY

UNIT

UNIT PRICE

EST. TOTAL AMOUNT

CLIN 0001

LABOR CATEGORIES, FIRST SHIFT

REGULAR RATE	Engineer V	Estimated	400	Hours
REGULAR RATE	Computer Scientist	Estimated	2000	Hours
REGULAR RATE	Program Manager	Estimated	200	Hours
REGULAR RATE	Site Manager	Estimated	4000	Hours
REGULAR RATE	Test Engineer IV	Estimated	40	Hours
REGULAR RATE	Test Engineer III	Estimated	2000	Hours
REGULAR RATE	Test Engineer II	Estimated	2000	Hours
REGULAR RATE	Test Engineer I	Estimated	40	Hours
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours
REGULAR RATE	Engineering Technician VI	Estimated	6000	Hours
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours
REGULAR RATE	Engineering Technician IV	Estimated	6000	Hours
REGULAR RATE	Engineering Technician III	Estimated	40	Hours
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours

TOTAL ESTIMATE 36760

OVERTIME RATE	Engineer V	Estimated	10	Hours
OVERTIME RATE	Computer Scientist	Estimated	40	Hours
OVERTIME RATE	Site Manager	Estimated	40	Hours
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours
OVERTIME RATE	Test Engineer III	Estimated	40	Hours
OVERTIME RATE	Test Engineer II	Estimated	20	Hours
OVERTIME RATE	Test Engineer I	Estimated	10	Hours
OVERTIME RATE	Computer Systems Analyst III	Estimated	10	Hours
OVERTIME RATE	Engineering Tech VI	Estimated	60	Hours
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours
OVERTIME RATE	Engineering Tech IV	Estimated	80	Hours
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours

TOTAL OVERTIME ESTIMATE 500

SECOND SHIFT: MON - FRI (1545 HRS THROUGH 2345 HRS)

SECOND SHIFT	Computer Scientist	Estimated	40	Hours
SECOND SHIFT	Site Manager	Estimated	40	Hours
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours
SECOND SHIFT	Test Engineer III	Estimated	40	Hours
SECOND SHIFT	Test Engineer II	Estimated	40	Hours
SECOND SHIFT	Test Engineer I	Estimated	40	Hours
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON - FRI (2330 HRS - 0730 HRS)

THIRD SHIFT	Site Manager	Estimated	40	Hours
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours
THIRD SHIFT	Test Engineer III	Estimated	40	Hours
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS	Estimated	1 LO	\$1,000,000.00
Handling charges % (if applicable)			
SUBCONTRACTING	Estimated	1 LO	\$443,000.00
Handling charges % (if applicable)			
TRAVEL (Cost Reimbursable Item) See Clause IB-4.23	Estimated	11.0	\$20,000.00
DATA * (NSP) Not Separately Priced			NSP*
GENERAL & ADMINISTRATIVE % (if applicable, see Clause 11-5.60)			
ESTIMATED BASE YEAR TOTAL			\$2,932,725.70

Attachment 1

FIXED RATE CHART

CLIN 0002

LABOR CATEGORIES, FIRST SHIFT

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EST. TOTAL AMOUNT
REGULAR RATE Engineer V	Estimated	400	Hours	
REGULAR RATE Computer Scientist	Estimated	2000	Hours	
REGULAR RATE Program Manager	Estimated	200	Hours	
REGULAR RATE Site Manager	Estimated	4000	Hours	
REGULAR RATE Test Engineer IV	Estimated	40	Hours	
REGULAR RATE Test Engineer III	Estimated	2000	Hours	
REGULAR RATE Test Engineer II	Estimated	2000	Hours	
REGULAR RATE Test Engineer I	Estimated	40	Hours	
REGULAR RATE Computer System Analyst III	Estimated	40	Hours	
REGULAR RATE Engineering Technician VI	Estimated	8000	Hours	
REGULAR RATE Engineering Technician V	Estimated	12000	Hours	
REGULAR RATE Engineering Technician IV	Estimated	6000	Hours	
REGULAR RATE Engineering Technician III	Estimated	40	Hours	
REGULAR RATE Material Requirements Specialist	Estimated	2000	Hours	

TOTAL ESTIMATE 36760

OVERTIME RATE Test Engineer V	Estimated	10	Hours	
OVERTIME RATE Computer Scientist	Estimated	40	Hours	
OVERTIME RATE Site Manager	Estimated	40	Hours	
OVERTIME RATE Test Engineer IV	Estimated	20	Hours	
OVERTIME RATE Test Engineer III	Estimated	40	Hours	
OVERTIME RATE Test Engineer II	Estimated	20	Hours	
OVERTIME RATE Test Engineer I	Estimated	10	Hours	
OVERTIME RATE Computer Systems Analyst III	Estimated	10	Hours	
OVERTIME RATE Engineering Tech VI	Estimated	80	Hours	
OVERTIME RATE Engineering Tech V	Estimated	120	Hours	
OVERTIME RATE Engineering Tech IV	Estimated	80	Hours	
OVERTIME RATE Engineering Tech III	Estimated	10	Hours	
OVERTIME RATE Material Requirements Specialist	Estimated	40	Hours	

TOTAL OVERTIME ESTIMATE 500

SECOND SHIFT: MON - FRI (1545 HRS THROUGH 2345 HRS)

SECOND SHIFT Computer Scientist	Estimated	40	Hours	
SECOND SHIFT Site Manager	Estimated	40	Hours	
SECOND SHIFT Test Engineer IV	Estimated	40	Hours	
SECOND SHIFT Test Engineer III	Estimated	40	Hours	
SECOND SHIFT Test Engineer II	Estimated	40	Hours	
SECOND SHIFT Test Engineer I	Estimated	40	Hours	
SECOND SHIFT Computer System Analyst III	Estimated	40	Hours	
SECOND SHIFT Engineering Technician VI	Estimated	40	Hours	
SECOND SHIFT Engineering Technician V	Estimated	40	Hours	
SECOND SHIFT Engineering Technician IV	Estimated	40	Hours	
SECOND SHIFT Engineering Technician III	Estimated	40	Hours	

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON-FRI (2330 HRS - 0730 HRS)

THIRD SHIFT Site Manager	Estimated	40	Hours	
THIRD SHIFT Test Engineer IV	Estimated	40	Hours	
THIRD SHIFT Test Engineer III	Estimated	40	Hours	
THIRD SHIFT Computer System Analyst III	Estimated	40	Hours	
THIRD SHIFT Engineering Technician VI	Estimated	40	Hours	
THIRD SHIFT Engineering Technician V	Estimated	40	Hours	
THIRD SHIFT Engineering Technician IV	Estimated	40	Hours	
THIRD SHIFT Engineering Technician III	Estimated	40	Hours	

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS	Estimated	1 LO		\$1,000,000.00
Handling charges % (if applicable)				
SUBCONTRACTING	Estimated	1 LO		\$443,000.00
Handling charges % (if applicable)				
TRAVEL (Cost Reimbursable Item) See Clause 1B-423	Estimated	1 LO		\$20,000.00
DATA *(NSP)≠ Not Separately Priced				NSP**
GENERAL & ADMINISTRATIVE % (if applicable, see Clause 11-566)				
ESTIMATED OPTION 1 TOTAL				\$3,040,965.20

Attachment 1

FIXED RATE CHART

CLIN 0003

LABOR CATEGORIES, FIRST SHIFT

	DESCRIPTION	QUANTITY	UN	UNIT PRICE	EST. TOTAL AMOUNT
REGULAR RATE	Test Engineer V	Estimated	400	Hours	
REGULAR RATE	Computer Scientist	Estimated	2000	Hours	
REGULAR RATE	Program Manager	Estimated	200	Hours	
REGULAR RATE	Site Manager	Estimated	4000	Hours	
REGULAR RATE	Test Engineer IV	Estimated	40	Hours	
REGULAR RATE	Test Engineer III	Estimated	2000	Hours	
REGULAR RATE	Test Engineer II	Estimated	2000	Hours	
REGULAR RATE	Test Engineer I	Estimated	40	Hours	
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours	
REGULAR RATE	Engineering Technician VI	Estimated	6000	Hours	
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours	
REGULAR RATE	Engineering Technician IV	Estimated	6000	Hours	
REGULAR RATE	Engineering Technician III	Estimated	40	Hours	
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours	

TOTAL ESTIMATE 36760

OVERTIME RATE	Test Engineer V	Estimated	10	Hours	
OVERTIME RATE	Computer Scientist	Estimated	40	Hours	
OVERTIME RATE	Site Manager	Estimated	40	Hours	
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours	
OVERTIME RATE	Test Engineer III	Estimated	40	Hours	
OVERTIME RATE	Test Engineer II	Estimated	20	Hours	
OVERTIME RATE	Test Engineer I	Estimated	10	Hours	
OVERTIME RATE	Computer Systems Analyst III	Estimated	10	Hours	
OVERTIME RATE	Engineering Tech VI	Estimated	60	Hours	
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours	
OVERTIME RATE	Engineering Tech IV	Estimated	60	Hours	
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours	
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours	

TOTAL OVERTIME ESTIMATE 500

SECOND SHIFT: MON - FRI (1546 HRS THROUGH 2345 HRS)

SECOND SHIFT	Computer Scientist	Estimated	40	Hours	
SECOND SHIFT	Site Manager	Estimated	40	Hours	
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours	
SECOND SHIFT	Test Engineer III	Estimated	40	Hours	
SECOND SHIFT	Test Engineer II	Estimated	40	Hours	
SECOND SHIFT	Test Engineer I	Estimated	40	Hours	
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours	
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours	

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON - FRI (2330 HRS - 0730 HRS)

THIRD SHIFT	Site Manager	Estimated	40	Hours	
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours	
THIRD SHIFT	Test Engineer III	Estimated	40	Hours	
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours	
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours	

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS Estimated 1 LO \$1,000,000.00

Handling charges % (if applicable)

SUBCONTRACTING Estimated 1 LO \$443,000.00

Handling charges % (if applicable)

TRAVEL (Cost Reimbursable Item) See Clause H-423 Estimated 1 LO \$20,000.00

DATA (NSP)- Not Separately Priced NSP

GENERAL & ADMINISTRATIVE % (if applicable, see Clause H-568)

ESTIMATED OPTION II TOTAL \$3,057,439.00

Attachment 1

FIXED RATE CHART

CLIN 0304

DESCRIPTION

QUANTITY

UN

UNIT PRICE

EST. TOTAL AMOUNT

LABOR CATEGORIES, FIRST SHIFT

REGULAR RATE	Test Engineer V	Estimated	100	Hours	_____
REGULAR RATE	Computer Scientist	Estimated	2000	Hours	_____
REGULAR RATE	Program Manager	Estimated	200	Hours	_____
REGULAR RATE	Site Manager	Estimated	1000	Hours	_____
REGULAR RATE	Engineer IV	Estimated	40	Hours	_____
REGULAR RATE	Engineer III	Estimated	2000	Hours	_____
REGULAR RATE	Engineer II	Estimated	2000	Hours	_____
REGULAR RATE	Engineer I	Estimated	40	Hours	_____
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours	_____
REGULAR RATE	Engineering Technician VI	Estimated	6000	Hours	_____
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours	_____
REGULAR RATE	Engineering Technician IV	Estimated	6000	Hours	_____
REGULAR RATE	Engineering Technician III	Estimated	40	Hours	_____
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours	_____

TOTAL ESTIMATE 36760

OVERTIME RATE	Test Engineer V	Estimated	10	Hours	_____
OVERTIME RATE	Computer Scientist	Estimated	40	Hours	_____
OVERTIME RATE	Site Manager	Estimated	40	Hours	_____
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours	_____
OVERTIME RATE	Test Engineer III	Estimated	40	Hours	_____
OVERTIME RATE	Test Engineer II	Estimated	20	Hours	_____
OVERTIME RATE	Test Engineer I	Estimated	10	Hours	_____
OVERTIME RATE	Computer Systems Analyst III	Estimated	10	Hours	_____
OVERTIME RATE	Engineering Tech VI	Estimated	60	Hours	_____
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours	_____
OVERTIME RATE	Engineering Tech IV	Estimated	60	Hours	_____
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours	_____
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours	_____

TOTAL OVERTIME ESTIMATE 500

SECOND SHIFT: MON - FRI (1545 HRS THROUGH 2345 HRS)

SECOND SHIFT	Computer Scientist	Estimated	40	Hours	_____
SECOND SHIFT	Site Manager	Estimated	40	Hours	_____
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours	_____
SECOND SHIFT	Test Engineer III	Estimated	40	Hours	_____
SECOND SHIFT	Test Engineer II	Estimated	40	Hours	_____
SECOND SHIFT	Test Engineer I	Estimated	40	Hours	_____
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours	_____
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours	_____
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours	_____
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours	_____
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours	_____

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON-FRI (2330 HRS - 0730 HRS)

THIRD SHIFT	Site Manager	Estimated	40	Hours	_____
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours	_____
THIRD SHIFT	Test Engineer III	Estimated	40	Hours	_____
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours	_____
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours	_____
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours	_____
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours	_____
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours	_____

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS Handling charges % (if applicable) Estimated 1 LO \$1,000,000.00

SUBCONTRACTING Handling charges % (if applicable) Estimated 1 LO \$443,000.00

TRAVEL (Cost Reimbursable Item)(See Clause ID-423) Estimated 1 LO \$20,000.00

DATA (NSP)* Not Separately Priced _____ NSP*

GENERAL & ADMINISTRATIVE % (if applicable, see Clause H 563) _____

ESTIMATED OPTION III TOTAL \$3,074,380.00

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

CONTRACT NUMBER: **6**
 PART OF PARTS: **1** | **3**

2. AMENDMENT/MODIFICATION NO. P00002	3. EFFECTIVE DATE 06-Sep-2001	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO (If applicable)
6. ISSUED BY ASC/PKWO 1940 ALLBROOK DRIVE, SUITE 3 WRIGHT-PATTERSON AFB, OH 45433 5309	CODE: FA8601	7. ADMINISTERED BY (If other than item 6) DCMC-DAYTON 1725 VAN PATTON DRIVE, AREA C, BLDG 30 WRIGHT-PATTERSON AFB, OH 45433-5302	CODE: S3605A

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECT TECH SERVICES CORPORATION 325 REGENCY RIDGE CENTERVILLE, OH 45450-4252	9A. AMENDMENT OF SOLICITATION NO.
CODE: 7W030 FACILITY CODE:	9B. DATED (SEE ITEM 11)
	X 10A. MOD. OF CONTRACT/ORDER NO. F33601-01-D J001
	X 10B. DATED (SEE ITEM 11) 18-Aug-2000

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer is extended, 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 document. (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 THE 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)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF _____
X D. OTHER (Specify type of modification and authority) UNILATERAL LAW CLAUSE 1-195 - "OPTION TO EXTEND THE TERM OF THE CONTRACT"
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UICF section headings, including solicitation/contract subject matter where feasible.)

Exercise Option 1.

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)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CATHERINE A. DOYLE / CONTRACTING OFFICER
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA <i>Catherine A. Doyle</i> (Signature of Contracting Officer)	16C. DATE SIGNED 08 Sep-2001

NAME OF OFFEROR OR CONTRACTOR
SELECTTECH SERVICES CORPORATION

SECTION 5010 BLOCK 14 CONTINUATION PAGE

A. Pursuant to the option clause, I-195, set forth in subject contract, the Government hereby exercises Option 1 for the period 01 Oct 01 through 30 Sep 02. The estimated value of this option is \$2,948,662.80.

B. Contract clause F-12 "Period of Performance" is hereby changed as follows:

FROM: 01 Oct 00 through 30 Sep 01
TO: 01 Oct 01 through 30 Sep 02

C. The date in the Ordering Clause, I-170, is changed as follows:

FROM: 01 Oct 00 through 30 Sep 01
TO: 01 Oct 01 through 30 Sep 02

D. The date in the Requirements Clause, I-173 is changed as follows:

FROM: 15 Oct 01
TO: 15 Oct 02

E. This modification is subject to contract clause I-404 "Availability of Funds", Far 52.232-18 (Apr 1984):

Funds are not presently available for this contract. The Government's obligation under this contract is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are made available to the Contracting Officer for this contract and until the Contractor receives notice of such availability, to be confirmed in writing by the Contracting Officer.

F. Wage Determination #94-2419 (Rev 15) dated 05/31/01 is hereby incorporated into this contract effective 01 Oct 01. Subject wage determination is included as "Attachment 01" to this modification.

CONTINUATION SHEETREFERENCE NO. OF DOCUMENT BEING CONTINUED
F33601-01 D J001-P00002PAGE
3 OF 3NAME OF OFFEROR OR CONTRACTOR
SELECTTECH SERVICES CORPORATION

G. The current DD Form 254 remains in effect for this period. Any subsequent revisions will be incorporated into the contract after they are completed.

H. As a result of this modification, the contract ceiling price is increased from **ESTIMATED** \$2,932,725.10 to **ESTIMATED** \$5,881,387.90 for an increase of \$2,948,662.80.

J. The Contract Administrator for this effort is Candace Thompkins at 937 257-6145, extension 4214, or e-mail at candace.thompkins@wpafb.af.mil. The Contracting Officer is Cathy Doyle at 937-257-6145, extension 4387, or e-mail at catherine.doyle@wpafb.af.mil.

Atch(1)
SCA Wage Determination 94-2419
Rev (18), dated 05/31/01



WAGE DETERMINATION NO: 94-2419 REV (18) AREA: OH, DAYTON

WAGE DETERMINATION NO: 94-2419 REV (18) AREA: OH, DAYTON
 REGISTER OF WAGE DETERMINATIONS UNDER U.S. DEPARTMENT OF LABOR
 FOR OFFICIAL USE ONLY BY FEDERAL AGENCIES PARTICIPATING IN MOU WITH DOL
 WASHINGTON D.C. 20210

William W. Gross
 Director

Division of
 Wage Determinations

Wage Determination No.: 1994-2419
 Revision No.: 18
 Date Of Last Revision: 05/31/2001

States: Indiana, Ohio

Area: Indiana Counties of Randolph, Union, Wayne

Ohio Counties of Champaign, Clark, Clinton, Darke, Greene, Logan, Miami, Montgomery, Preble, Shelby

****Fringe Benefits Required Follow the Occupational Listing****

OCCUPATION TITLE	MINIMUM WAGE RATE
Administrative Support and Clerical Occupations	
Accounting Clerk I	10.29
Accounting Clerk II	10.74
Accounting Clerk III	12.55
Accounting Clerk IV	15.66
Court Reporter	13.85
Dispatcher, Motor Vehicle	14.86
Document Preparation Clerk	10.57
Duplicating Machine Operator	10.57
Film/Tape Librarian	10.28
General Clerk I	8.07
General Clerk II	9.06
General Clerk III	10.75
General Clerk IV	12.86
Housing Referral Assistant	16.27
Key Entry Operator I	8.72
Key Entry Operator II	11.31
Messenger (Courier)	9.04
Order Clerk I	9.61
Order Clerk II	13.42
Personnel Assistant (Employment) I	9.96
Personnel Assistant (Employment) II	11.19
Personnel Assistant (Employment) III	14.02
Personnel Assistant (Employment) IV	15.62
Production Control Clerk	16.12
Rental Clerk	11.02
Scheduler, Maintenance	12.22
Secretary I	12.22
Secretary II	14.33
Secretary III	16.27
Secretary IV	19.95
Secretary V	22.14
Service Order Dispatcher	11.90
Stenographer I	10.53
Stenographer II	12.60
Supply Technician	19.95
Survey Worker (Interviewer)	12.04
Switchboard Operator-Receptionist	9.25
Test Examiner	14.33

Test Proctor	14.33
Travel Clerk I	9.36
Travel Clerk II	9.98
Travel Clerk III	10.59
Word Processor I	10.87
Word Processor II	12.21
Word Processor III	13.68
Automatic Data Processing Occupations	
Computer Data Librarian	9.90
Computer Operator I	11.17
Computer Operator II	12.56
Computer Operator III	15.80
Computer Operator IV	18.75
Computer Operator V	20.75
Computer Programmer I (1)	19.12
Computer Programmer II (1)	22.99
Computer Programmer III (1)	26.55
Computer Programmer IV (1)	27.62
Computer Systems Analyst I (1)	25.08
Computer Systems Analyst II (1)	27.62
Computer Systems Analyst III (1)	27.62
Peripheral Equipment Operator	12.59
Automotive Service Occupations	
Automotive Body Repairer, Fiberglass	18.94
Automotive Glass Installer	17.14
Automotive Worker	17.14
Electrician, Automotive	17.84
Mobile Equipment Servicer	15.77
Motor Equipment Metal Mechanic	18.52
Motor Equipment Metal Worker	17.14
Motor Vehicle Mechanic	17.38
Motor Vehicle Mechanic Helper	15.09
Motor Vehicle Upholstery Worker	16.46
Motor Vehicle Wrecker	17.14
Painter, Automotive	17.84
Radiator Repair Specialist	17.14
Tire Repairer	15.24
Transmission Repair Specialist	18.52
Food Preparation and Service Occupations	
Baker	11.40
Cook I	10.55
Cook II	11.40
Dishwasher	8.83
Food Service Worker	8.83
Meat Cutter	11.59
Waiter/Waitress	9.22
Furniture Maintenance and Repair Occupations	
Electrostatic Spray Painter	17.84
Furniture Handler	13.73
Furniture Refinisher	17.84
Furniture Refinisher Helper	15.09
Furniture Repairer, Minor	16.46
Upholsterer	17.84
General Services and Support Occupations	
Cleaner, Vehicles	9.42
Elevator Operator	10.06
Gardener	11.68
House Keeping Aid I	8.17
House Keeping Aid II	10.56
Janitor	10.56
Laborer, Grounds Maintenance	10.70
Maid or Houseman	8.17
Pest Controller	11.30
Refuse Collector	11.46
Tractor Operator	11.80

Window Cleaner	11.13
Health Occupations	
Dental Assistant	11.02
Emergency Medical Technician (EMT)/Paramedic/Ambulance Driver	11.02
Licensed Practical Nurse I	14.06
Licensed Practical Nurse II	15.78
Licensed Practical Nurse III	17.65
Medical Assistant	9.85
Medical Laboratory Technician	12.01
Medical Record Clerk	10.70
Medical Record Technician	13.65
Nursing Assistant I	7.37
Nursing Assistant II	8.29
Nursing Assistant III	9.04
Nursing Assistant IV	10.16
Pharmacy Technician	12.28
Phlebotomist	11.33
Registered Nurse I	16.62
Registered Nurse II	20.28
Registered Nurse II, Specialist	20.28
Registered Nurse III	24.54
Registered Nurse III, Anesthetist	24.54
Registered Nurse IV	29.40
Information and Arts Occupations	
Audiovisual Librarian	17.96
Exhibits Specialist I	15.21
Exhibits Specialist II	20.21
Exhibits Specialist III	22.61
Illustrator I	16.27
Illustrator II	21.62
Illustrator III	24.19
Librarian	19.93
Library Technician	12.04
Photographer I	13.33
Photographer II	15.21
Photographer III	20.21
Photographer IV	22.61
Photographer V	25.90
Laundry, Dry Cleaning, Pressing and Related Occupations	
Assembler	6.97
Counter Attendant	6.97
Dry Cleaner	8.58
Finisher, Flatwork, Machine	6.97
Presser, Hand	6.97
Presser, Machine, Drycleaning	6.97
Presser, Machine, Shirts	6.97
Pressack, Machine, Wearing Apparel, Laundry	6.97
Sewing Machine Operator	9.19
Tailor	9.98
Washer, Machine	7.71
Machine Tool Operation and Repair Occupations	
Machine-Tool Operator (Toolroom)	18.24
Tool and Die Maker	22.69
Material Handling and Packing Occupations	
Forklift Operator	15.45
Fuel Distribution System Operator	16.76
Material Coordinator	18.61
Material Expeditor	19.61
Material Handling Laborer	17.65
Order Filler	10.74
Production Line Worker (Food Processing)	14.26
Shipping Packer	12.71
Shipping/Receiving Clerk	12.71
Stock Clerk (Shelf Stocker; Store Worker II)	14.38
Store Worker I	12.07

Tools and Parts Attendant	14.56
Warehouse Specialist	14.56
Mechanics and Maintenance and Repair Occupations	
Aircraft Mechanic	18.52
Aircraft Mechanic Helper	15.09
Aircraft Quality Control Inspector	19.17
Aircraft Servicer	16.46
Aircraft Worker	17.14
Appliance Mechanic	17.84
Bicycle Repairer	15.24
Cable Splicer	18.52
Carpenter, Maintenance	17.84
Carpet Layer	17.14
Electrician, Maintenance	21.02
Electronics Technician, Maintenance I	11.83
Electronics Technician, Maintenance II	17.42
Electronics Technician, Maintenance III	18.22
Fabric Worker	16.46
Fire Alarm System Mechanic	18.52
Fire Extinguisher Repairer	15.77
Fuel Distribution System Mechanic	18.52
General Maintenance Worker	17.14
Heating, Refrigeration and Air Conditioning Mechanic	18.52
Heavy Equipment Mechanic	18.52
Heavy Equipment Operator	18.90
Instrument Mechanic	18.90
Laborer	11.58
Locksmith	17.84
Machinery Maintenance Mechanic	23.11
Machinist, Maintenance	17.38
Maintenance Trades Helper	15.09
Millwright	21.13
Office Appliance Repairer	17.84
Painter, Aircraft	18.46
Painter, Maintenance	17.84
Pipefitter, Maintenance	19.88
Plumber, Maintenance	19.16
Pneumatic Systems Mechanic	18.52
Rigger	18.52
Scale Mechanic	17.14
Sheet-Metal Worker, Maintenance	18.52
Small Engine Mechanic	17.14
Telecommunication Mechanic I	18.52
Telecommunication Mechanic II	20.73
Telephone Lineman	18.52
Welder, Combination, Maintenance	18.52
Well Driller	18.52
Woodcraft Worker	18.52
Woodworker	15.77
Miscellaneous Occupations	
Animal Caretaker	9.72
Carnival Equipment Operator	11.80
Carnival Equipment Repairer	12.13
Carnival Worker	10.14
Cashier	7.63
Desk Clerk	9.14
Embalmer	18.00
Lifeguard	9.09
Mortician	20.70
Park Attendant (Aide)	11.42
Photofinishing Worker (Photo Lab Tech, Darkroom Tech)	9.37
Recreation Specialist	12.67
Recycling Worker	13.14
Sales Clerk	8.49
School Crossing Guard (Crosswalk Attendant)	8.83

Sport Official	8.67
Survey Party Chief (Chief of Party)	16.04
Surveying Aide	8.23
Surveying Technician (Instr. Person/Surveyor Asst./Instr.)	12.60
Swimming Pool Operator	11.60
Vending Machine Attendant	10.12
Vending Machine Repairer	11.40
Vending Machine Repairer Helper	10.12
Personal Needs Occupations	
Child Care Attendant	9.14
Child Care Center Clerk	13.56
Chore Aid	9.14
Homemaker	13.05
Plant and System Operation Occupations	
Boiler Tender	21.30
Sewage Plant Operator	17.84
Stationary Engineer	21.87
Ventilation Equipment Tender	16.66
Water Treatment Plant Operator	17.84
Protective Service Occupations	
Alarm Monitor	13.27
Corrections Officer	13.98
Court Security Officer	19.49
Detention Officer	19.49
Firefighter	18.24
Guard I	8.37
Guard II	13.09
Police Officer	20.73
Stevedoring/Longshoremen Occupations	
Blocker and Bracer	16.20
Hatch Tender	16.42
Line Handler	16.42
Stevedore I	15.57
Stevedore II	16.88
Technical Occupations	
Air Traffic Control Specialist, Center (2)	27.23
Air Traffic Control Specialist, Station (2)	18.77
Air Traffic Control Specialist, Terminal (2)	20.67
Archeological Technician I	14.58
Archeological Technician II	16.33
Archeological Technician III	20.21
Cartographic Technician	22.81
Civil Engineering Technician	20.21
Computer Based Training (CBT) Specialist/ Instructor	28.69
Drafter I	13.22
Drafter II	14.85
Drafter III	16.95
Drafter IV	22.52
Engineering Technician I	12.92
Engineering Technician II	14.52
Engineering Technician III	19.57
Engineering Technician IV	21.03
Engineering Technician V	25.65
Engineering Technician VI	31.11
Environmental Technician	19.68
Flight Simulator/Instructor (Pilot)	25.76
Graphic Artist	20.39
Instructor	22.82
Laboratory Technician	16.10
Mathematical Technician	18.63
Paralegal/Legal Assistant I	13.69
Paralegal/Legal Assistant II	19.07
Paralegal/Legal Assistant III	23.25
Paralegal/Legal Assistant IV	28.22
Photooptics Technician	19.06

Technical Writer	27.08
Unexploded (UXO) Safety Escort	17.30
Unexploded (UXO) Sweep Personnel	17.30
Unexploded Ordnance (UXO) Technician I	17.30
Unexploded Ordnance (UXO) Technician II	21.64
Unexploded Ordnance (UXO) Technician III	25.93
Weather Observer, Combined Upper Air and Surface Programs (3)	14.00
Weather Observer, Senior (3)	15.55
Weather Observer, Upper Air (3)	14.00
Transportation/ Mobile Equipment Operation Occupations	
Bus Driver	13.61
Parking and Lot Attendant	7.59
Shuttle Bus Driver	11.72
Taxi Driver	9.55
Truckdriver, Heavy Truck	14.81
Truckdriver, Light Truck	10.60
Truckdriver, Medium Truck	12.62
Truckdriver, Tractor-Trailer	16.72

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: \$2.02 an hour or \$80.80 a week or \$350.13 a month.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor weeks after 8 years, and 4 weeks after 15 years. Length of service includes the whole of continuous service with the present contractor or successor, wherever employed, and the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of eleven paid holidays per year: New Year's Day, Martin Luther K Jr's Birthday, Washington's Birthday, Good Friday, Memorial Day, Independence Day, Lab Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. A contractor may substitute for any of the named holidays another day off with pay in accordance with a communicated to the employees involved.) (See 29 CFR 4.174)

THE OCCUPATIONS WHICH HAVE PARENTHESES AFTER THEM RECEIVE THE FOLLOWING BENEFITS (as numbered):

1) Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See CFR 4.156)

2) **APPLICABLE TO AIR-TRAFFIC CONTROLLERS ONLY - NIGHT-DIFFERENTIAL:** An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.

3) **WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY:** If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic for any hours worked between 6pm and 6am. If you are a full-time employee (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty considered overtime work).

HAZARDOUS PAY DIFFERENTIAL: An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordnance, explosives, and incendiary materials. This includes work such as screening, blending, drying, mixing, and pressing of sensitive ordnance, explosives, and pyrotechnic compositions such as lead azide, black powder and photoflash powder. All house activities involving propellants or explosives. Demilitarization, modification, renovation, demolition, and maintenance operations on sensitive ordnance, explosives and incendiary materials. All operations involving regrading and cleaning of artillery ranges. A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with, or in close proximity to ordnance, explosives, or incendiary materials (possibly adjacent to) explosives and incendiary materials which involves potential injury such as laceration of hands, face, or arms of the employee engaged in the operation; irritation of the skin; minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving, unloading, storage, and hauling of ordnance, explosive, and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordnance, explosives, and incendiary material differential.

**** UNIFORM ALLOWANCE ****

If employees are required to wear uniforms in the performance of this contract (either

the terms of the Government contract, by the employer, by the state or local law, etc. The cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost) reimburse all employees for such cleaning and maintenance at a rate of \$3.35 per week (\$.67 cents per day). However, in those instances where the uniforms furnished are made "wash and wear" materials, may be routinely washed and dried with other personal garments and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Title and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by the Third Supplement, dated March 1997, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783 3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contract officer.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE (Standard Form 14 (SF 1444))

Conformance Process:

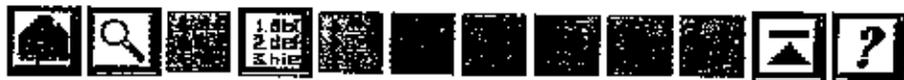
The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. (See Section 4.6 (C)(vi)) When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupational classification and computes a proposed rate(s).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of action, together with the agency's recommendations and pertinent information including position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) Regulations 29 CFR Part-4).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour decision to the contractor.
- 6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper. When preparing a conformance request, the "Service Contract Act Directory of Occupations

(the Directory) should be used to compare job definitions to insure that duties reques are not performed by a classification already listed in the wage determination. Remem it is not the job title, but the required tasks that determine whether a class is incl in an established wage determination. Conformances may not be used to artificially sp combine, or subdivide classifications listed in the wage determination.



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTR TO CODE 0	PAGE OF PAGES 1 02
2. AMENDMENT/MODIFICATION NO. P00001	3. EFFECTIVE DATE 00OCT27	4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE	5. PROJECT NO. (if applicable)
6. ISSUED BY NSC/DKWD BLDG 3 1940 ALLBROOK DR STE J WRIGHT-PATTERSON AFB OH CODE FAS601 45433 5304	7. ADMINISTERED BY (if other than item 6) NMC-DAYTON BLDG 30 1725 VAN PATTON AVENUE WRIGHT-PATTERSON AFB OH CODE 93005A 45433-5302		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SELECTTECH SERVICES CORP 325 REGENCY RIDGE CENTERVILLE OH 45450-4251 CODE FACILITY CODE		9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (See item 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. X F3360101DJ001 10B. DATED (See item 13) 00AUG18	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, 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 ACKNOWLEDGEMENT 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 PAGE 2 OF THIS NOTIFICATION		CODE: SC1018 NO CRG .00	
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. DESCRIBED IN ITEM 14. (X) A. This change order is issued pursuant to: (Specify authority) The changes set forth in Item 14 are made in the contract order no in item 10A. 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 43.103(h). C. This supplemental agreement is entered in pursuant to authority of: 1 LAN 1-550, PAR 52.241-3, CHANGE# D. Other (Specify type of modification and authority)			
R. IMPORTANT: Contractor is not, X is required to sign this document and return 001 copies to the issuing office.			
14. Description of amendment/modification (Organized by OCF section headings, including solicitation/contract subject matter where feasible.) POC: T. YOUNG PHONE: 9372576144 X4133 SEE SCHEDULE 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) <i>Robert B. Finch, PhD</i> President		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CATHERINE A. DOYLE CATHERINE.DOYLE@WPAFB.AF.MIL	
15B. CONTRACTOR/OFFEROR <i>Robert B. Finch</i> (Signature of person authorized to sign)		15C. DATE SIGNED: 31 Oct 00 16C. UNITED STATES OF AMERICA BY <i>Catherine A. Doyle</i> (Signature of Contracting Officer)	
		16C. DATE SIGNED: 03 Nov 00	

F33601-01-DJ001
Modification P00001
SelectTech Services Corp

Page 2 of 2 Pages

A. Subject modification is hereby issued to make the following changes to Exhibit A, DD Form 1423, Contract Data Requirements List (CDRL):

Block 10, Frequency, of CDRLs A005 and A008 is changed to read 'As Required'.

B. The Contract Administrator for this contract is Tom Young at (937)257-6145 ext 4143, or email at tom.young@wpafb.af.mil. Contracting Officer is Cathy Doyle at (937)257-6145 ext 4387 or email at catherinc.doyle@wpafb.af.mil.

C. All other terms and conditions remain unchanged.

Working Copy

SOLICITATION/CONTRACT

BIDDER/OFFEROR TO COMPLETE BLOCKS 11, 13, 15, 21, 22, & 27.
TVY

1. THIS CONTRACT IS A NATIONAL ORDER UNDER DPAS (15 CFR 350)

RATING

DO S1

PAGE 1 OF

15

2. CONTRACT NO.
F33601-01 DJ001

3. AWARD/EFFECTIVE DATE
01 OCT 00

4. SOLICITATION NUMBER
F33601 00-R-9001

5. SOLICITATION TYPE
 SEALED BIDS
 REGISTERED BIDS

6. SOLICITATION ISSUE DATE
2000 APR 18

7. ISSUED BY
DEPARTMENT OF THE AIR FORCE
ASG/PKWO AREA C BLDG 1 RM 109
1940 ALLERBROOK DRIVE STE 3
WRIGHT-PATTERSON AFB OH 45433-5309
BUYER: T. YOUNG/PKWOV/(937) 257-6145
NO COLLECT CALLS

8. THIS ACQUISITION IS
 UNRESTRICTED
 APT ASIDE: 100% FOR
 SMALL BUSINESS
LABOR SURPLUS AREA CONCERNS
COMBINED SMALL BUSINESS & LABOR SURPLUS AREA CONCERNS
OTHER
SIC: 8731 SIZE STANDARD: 1000

9. SOLICITATION STATED OFFERS WILL BE RECEIVED AT THE ISSUING OFFICE UNTIL 04:00 PM ON 2000 MAY 19. LATE OFFERS ARE SUBJECT TO LATE PROPOSAL PROVISIONS INCORPORATED HEREIN. ALL OFFERS ARE SUBJECT TO SUCH PROVISIONS, REPRESENTATIONS, CERTIFICATIONS AND SPECIFICATIONS AS ARE ATTACHED OR INCORPORATED BY REFERENCE.

10. ITEMS TO BE PURCHASED (BRIEF DESCRIPTION)
 SUPPLIES SERVICES APRIL STRUCTURES DIVISION OPERATION, MAINTENANCE, & ENGINEERING SUPPORT SERVICES

11. IF OFFER IS ACCEPTED BY THE GOVERNMENT WITHIN * CALENDAR DAYS
(60 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
DCMC-DAYTON BLDG 30
1725 VAN PATTON AVENUE
WRIGHT-PATTERSON AFB OH 45433-5302
SCD: C

13. CONTRACTOR OFFEROR CODE 7W030 FACILITY CODE
SelectTech Services Corporation
325 Regency Ridge
Centerville OH 45459-4252
TELEPHONE NO (937) 438 9506
 CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER

14. PAYMENT WILL BE MADE BY
DPAS-COLUMBUS CENTER
ATTN: DPAS-CO JMF/NEW DOMINION
PO BOX 102041
COLUMBUS OH 43210-2041
SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK

15. PROMPT PAY DISCOUNT
Net 30 Days

16. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION
10 USC 2304 (a) ()
41 USC 253 (a) ()

17. ITEM NO.	18. SCHEDULE OF SUPPLIES/SERVICES	19. QUANTITY	20. UNIT	21. UNIT PRICE	22. AMOUNT
ENTER PRICES IN SECTION B USE TYPEWRITER OR BLACK INK					
OFFEROR MUST BE REGISTERED IN THE CENTRAL CONTRACTOR REGISTRATION (CCR) DATABASE TO BE ELIGIBLE FOR AWARD. SEE CLAUSE IA 34 FOR DETAILS.					
* THE ACCEPTANCE PERIOD IN BLOCK 11 ABOVE IS HEREBY CHANGED FROM 60 TO 120 CALENDAR DAYS.					

23. ACCOUNTING AND APPROPRIATION DATA
SEE SECTION G

24. TOTAL AWARD AMOUNT (IF YOU USE ONE)
CEILING PRICE
\$2,932,725.10

25. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN 1 COPIES TO 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 ON SOLICITATION NUMBER SHOWN IN BLOCK 4 INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:
CITNS 0001-0005

27. SIGNATURE OF OFFEROR/CONTRACTOR
Maxine H. Orum
NAME AND TITLE OF SIGNER (TYPE OR PRINT)
Maxine H. Orum, Board Chairman
DATE SIGNED
8/16/00

28. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)
Catherine A. Doyle
NAME OF CONTRACTING OFFICER
CATHERINE A. DOYLE
DATE SIGNED
8/18/00
CONTRACTING OFFICER

PART I - THE SCHEDULE
SECTION B
SUPPLIES OR SERVICE AND PRICES/COSTS

BASE PERIOD: 01 OCT 2000 THROUGH 30 SEP 2001

0001 NON-PERSONAL SERVICES TO PROVIDE ALL PERSONNEL, EQUIPMENT, TOOLS, MATERIALS, SUPERVISION, AND OTHER ITEMS AND SERVICES NECESSARY TO PERFORM THE ENGINEERING SUPPORT FUNCTIONS FOR THE STRUCTURES DIVISION TEST FACILITIES, AFRL/VAS, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE: LABOR (SEE ATTACHMENT 1 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, TRAVEL, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED)

GUARANTEED CONTRACT MINIMUM FOR BASE PERIOD: \$50,000.00

TOTAL ESTIMATED PRICE FOR BASE PERIOD: \$2,932,725.10
(OBTAINED FROM ATTACHMENT 1)

OPTION PERIOD I: 01 OCT 2001 THROUGH 30 SEP 2002

0002 NON-PERSONAL SERVICES TO PROVIDE ALL PERSONNEL, EQUIPMENT, TOOLS, MATERIALS, SUPERVISION, AND OTHER ITEMS AND SERVICES NECESSARY TO PERFORM THE ENGINEERING SUPPORT FUNCTIONS FOR THE STRUCTURES DIVISION TEST FACILITIES, AFRL/VAS, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE: LABOR (SEE ATTACHMENT 1 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, TRAVEL, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED).

GUARANTEED CONTRACT MINIMUM OPTION PERIOD I: \$50,000.00

TOTAL ESTIMATED PRICE FOR OPTION PERIOD I: \$2,948,662.80
(OBTAINED FROM ATTACHMENT 1)

OPTION PERIOD II: 01 OCT 2002 THROUGH 30 SEP 2003

0003 NON-PERSONAL SERVICES TO PROVIDE ALL PERSONNEL, EQUIPMENT, TOOLS, MATERIALS, SUPERVISION, AND OTHER ITEMS AND SERVICES NECESSARY TO PERFORM THE ENGINEERING SUPPORT FUNCTIONS FOR THE STRUCTURES DIVISION TEST FACILITIES, AFRL/VAS, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE: LABOR (SEE ATTACHMENT 1 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, TRAVEL, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED).

GUARANTEED CONTRACT MINIMUM OPTION PERIOD II: \$50,000.00

TOTAL ESTIMATED PRICE FOR OPTION PERIOD II: \$2,965,137.20
(OBTAINED FROM ATTACHMENT 1)

OPTION PERIOD III: 01 OCT 2003 THROUGH 30 SEP 2004

0004 NON-PERSONAL SERVICES TO PROVIDE ALL PERSONNEL, EQUIPMENT, TOOLS, MATERIALS, SUPERVISION, AND OTHER ITEMS AND SERVICES NECESSARY TO PERFORM THE ENGINEERING SUPPORT FUNCTIONS FOR THE STRUCTURES DIVISION TEST FACILITIES, AFRL/VAS, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE: LABOR (SEE ATTACHMENT 1 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, TRAVEL, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED).

GUARANTEED CONTRACT MINIMUM OPTION PERIOD III: \$50,000.00

TOTAL ESTIMATED PRICE FOR OPTION PERIOD III: \$2,982,078.40
(OBTAINED FROM ATTACHMENT 1)

OPTION PERIOD IV: 01 OCT 2004 THROUGH 30 SEP 2005

0005 NON-PERSONAL SERVICES TO PROVIDE ALL PERSONNEL, EQUIPMENT, TOOLS, MATERIALS, SUPERVISION, AND OTHER ITEMS AND SERVICES NECESSARY TO PERFORM THE ENGINEERING SUPPORT FUNCTIONS FOR THE STRUCTURES DIVISION TEST FACILITIES, AFRL/VAS, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE: LABOR (SEE ATTACHMENT 1 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, TRAVEL, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED).

GUARANTEED CONTRACT MINIMUM OPTION PERIOD III: \$50,000.00

TOTAL ESTIMATED PRICE FOR OPTION PERIOD IV: \$2,999,553.50
(OBTAINED FROM ATTACHMENT 1)

ESTIMATED TOTAL CEILING: \$14,828,157.00
(BASE YEAR PLUS OPTION YEARS I, II, III, AND IV)

CONTRACT MAXIMUM: \$15,000,000.00

NOTE: Adjustment of wages for non-Service Contract Act covered labor categories may be considered in the event of necessary contract period of performance extension under provisions in Clause I-194. Such adjustments shall be linked to the percentage increase indicated in the most applicable Data Resources Inc. (DRI) Index.

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. Section K will be deemed to be incorporated by reference in that award.

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

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-7. 52.246-6 INSPECTION--TIME--AND--MATERIAL AND LABOR--HOUR JAN 1986
(TAW FAR 46.306)

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 by AFRL/VAS personnel at Buildings 24B, 24C, 45, 461, 65, 68, Hydrogen Test Facility(adjacent to Bldg 65), 440, 73, as well as occasional remote sites as individual work orders dictate.

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 00 thru 30 SEP 01.

F-13. PLACE OF PERFORMANCE
(IAW FAR 11.401(a))
Services under this contract are required to be performed at the following location(s): Buildings 24B, 24C, 45, 461, 65, 68, Hydrogen Test Facility(adjacent to Bldg 65), 440, 73, as well as occasional remote sites as individual work orders dictate.

F-26. 52.242-15 STOP-WORK ORDER AUG 1989
(IAW FAR 42.1305(b)(1))

F-36. 52.247-34 F.O.B. DESTINATION NOV 1991
(IAW FAR 47.303-6(c))

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(4 copies) TO THE ADDRESS LISTED BELOW:

AFRL/VASV
Room 207W, Bldg 65, Area B
2799 D Street
Wright Patterson AFB OH 45433-7402

FUNDS WILL BE ADDED BY DELIVERY ORDER ISSUED HEREOFINDER

G-445. 5352.237-9002 CONTRACT HOLIDAYS (AFMC) JUL 1997
(IAW AFMCFARS 5337.110-90(c))

(a) The prices/costs in Section B of the contract include holiday observances; accordingly, the Government will not be billed for such holidays, except when services are required by the Government and are actually performed on a holiday. Holidays in addition to those reflected in this contract, which are designated by the Government, will be billable provided the assigned Contractor employee was available for performance and was precluded from such performance.

(b) The following days are contract holidays: New Year's Day, Martin Luther King Jr's Birthday, President's Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

NOTE: These are the ten (10) Government recognized holidays. The Department of Labor Wage Determination allows for 11 holidays for Service Contract (SCA) covered employees. Because certain SCA recognized holidays (such as Good Friday) are not recognized as Government holidays, it is expected that facilities requiring service of the contractor on that day receive such services. The contractor may substitute another day (e.g. birthday, anniversary, or other day of preference) for that SCA recognized holiday for its' SCA covered employees.

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 REV(15), dated 6/14/00, is attached hereto and made a part hereof.

H-568 **MATERIAL AND SUBCONTRACTED SERVICES HANDLING CHARGES**

The price to be paid by the Government for material handling and/or subcontracted services is subject to audit and may be negotiated between the contractor and the Administrative Contracting Officer (ACO) following any audit(s) performed in accordance with the contract clause entitled "Payments Under Time-and-Material and Labor-Hour Contracts" under time and materials and labor hour contracts. The percentages below are ceiling rates and shall not be exceeded.

- (a) Materials Handling:
- (b) Subcontracted Services:
- *(c) General and Administrative:

*NOTE: G&A expenses are allowed to the extent that they are not included in the material handling rate and are applied in accordance with the contractor's usual accounting practices consistent with Subpart 31.2 of the FAR.

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/afafmc/affars/affar1toc.htm>
<http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/afafmc/afmcfars/afmcl1toc.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
T 21.	52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (IAW FAR 3.503-2)	JUL 1995
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
T-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 3.308(b))	JUN 1997
I-27.	52.204-2	SECURITY REQUIREMENTS (IAW FAR 4.404(a))	AUG 1996
T-39.	52.204-4	PRINTING/COPYING DOUBLE-SIDED ON RECYCLED PAPER (IAW FAR 4.304)	JUN 1996
T-78.	52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (IAW FAR 4.409(b))	JUL 1995
I-102.	52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (IAW FAR 11.604(b))	SEP 1990
T-128.	52.215-2	AUDIT AND RECORDS--NEGOTIATION (IAW FAR 15.209(b)(1))	JUN 1999
I-129C.	52.215-8	ORDER OF PRECEDENCE-- UNIFORM CONTRACT FORMAT (IAW FAR 15.209(h))	OCT 1997
I-134C.	52.215-11	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA--MODIFICATIONS (IAW FAR 15.408(c))	OCT 1997
I 136C.	52.215-13	SUBCONTRACTOR COST OR PRICING DATA-- MODIFICATIONS (IAW FAR 15.408(c))	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-153.	52.216-7	ALLOWABLE COST AND PAYMENT (IAW FAR 16.307(a)(1))	APR 1998
T-170.	52.216-18	ORDERING (IAW FAR 16.506(a))	OCT 1995

For the purposes of this clause the blank(s) is/are completed as follows:
(a) issued from 01 OCT 2000 through 30 SEP 2001.

T-171.	52.216-19	ORDER LIMITATIONS (IAW FAR 16.506(b))	OCT 1995
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For the purposes of this clause the blank(s) is/are completed as follows:

(a) GUARANTEED MINIMUM AMOUNT SHOWN IN APPLICABLE PERFORMANCE PERIOD OF PART I, SECTION B, THE SCHEDULE

(b) (1) MAXIMUM CONTRACT AMOUNT SPECIFIED IN PART I, SECTION B, THE SCHEDULE

(b) (2) MAXIMUM CONTRACT AMOUNT SPECIFIED IN PART I, SECTION B, THE SCHEDULE

(b) (3) 5 DAYS

(d) 10 DAYS

- I-178. 52.216-22 INDEFINITE QUANTITY OCT 1995
(IAW FAR 16.506(c))
For the purposes of this clause the blank(s) is/are completed as follows:
(d) Contractor shall not be required to make any deliveries under this contract after 15 OCT 01.
- I-194. 52.217-8 OPTION TO EXTEND SERVICES NOV 1999
(IAW FAR 17.208(f))
For the purposes of this clause the blank(s) is/are completed as follows:
within A PERIOD NO LESS THAN 15 DAYS PRIOR TO THE CONTRACT EXPIRATION PERIOD.
- I-195. 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT NOV 1999
(IAW FAR 17.208(g))
For the purposes of this clause the blank(s) is/are completed as follows:
within A PERIOD NO LESS THAN 15 DAYS PRIOR TO THE CONTRACT EXPIRATION PERIOD
AND, IF EXERCISED, SHALL BE SUBJECT TO CLAUSE I-404, (AVAILABILITY OF FUNDS).;
(a) within
at least 60 days
(c) shall not exceed FIVE (5) YEARS.
- I-210. 52.219-4 NOTICE OF PRICE EVALUATION PREFERENCE JAN 1999
FOR HUBZone SMALL BUSINESS CONCERNS
(IAW FAR 19.1308(b))
(c) Waiver of evaluation preference.
 Offeror elects to waive the evaluation preference.
- I-212. 52.219-6 NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE JUL 1996
(IAW FAR 19.508(c))
- I-214. 52.219-8 UTILIZATION OF SMALL BUSINESS CONCERNS OCT 1999
(IAW FAR 19.708(a))
- I-221. 52.219-14 LIMITATIONS ON SUBCONTRACTING DEC 1996
(IAW FAR 19.508(e), 19.811-3(e), and 19.1006 (c)(3))
- I-245. 52.222-1 NOTICE TO THE GOVERNMENT OF LABOR DISPUTES FEB 1997
(IAW FAR 22.103-5(a))
- I-247. 52.222-3 CONVICT LABOR AUG 1996
(IAW FAR 22.202)
- I-263R. 52.222-21 PROHIBITION OF SEGREGATED FACILITIES FEB 1999
(IAW FAR 22.810(a)(1))
- I-264. 52.222-26 EQUAL OPPORTUNITY FEB 1999
(IAW FAR 22.810(e))
- I-274. 52.222-35 AFFIRMATIVE ACTION FOR DISABLED VETERANS AND APR 1998
VETERANS OF THE VIETNAM ERA
(IAW FAR 22.1308(a)(1), and DFARS 22.1308(a)(1))
- I-276. 52.222-36 AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES JUN 1998
(IAW FAR 22.1408(a))
- I-278. 52.222-37 EMPLOYMENT REPORTS ON DISABLED VETERANS JAN 1999
AND VETERANS OF THE VIETNAM ERA
(IAW FAR 22.1308(b))
- I-283. 52.222-41 SERVICE CONTRACT ACT OF 1965, AS AMENDED MAY 1989
(IAW FAR 22.1006(a))
- I-284. 52.222-42 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES MAY 1989
(IAW FAR 22.1006(b))

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 5372.

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

Employee Class	Grade	Monetary Wage
Program Manager	GS-830-14	\$71,018.00 PA
Site Manager	GS-830-13	\$60,097.00 PA
Test Engineer V	GS-830-13	\$60,097.00 PA
Test Engineer IV	GS-830-13	\$60,097.00 PA
Test Engineer III	GS-830-12	\$50,538.00 PA
Test Engineer II	GS-830-12	\$50,538.00 PA
Test Engineer I	GS-830-05	\$23,001.00 PA
Computer Scientist	GS-1550-13	\$60,097.00 PA
Computer Systems Analyst III	GS-1550-12	\$50,538.00 PA
Engineering Technician VI	GS-802-11	\$42,167.00 PA
Engineering Technician V	GS-802-10	\$38,379.00 PA
Engineering Technician IV	GS-802-09	\$34,851.00 PA
Engineering Technician III	GS-802-08	\$31,522.00 PA
Material Requirements Specialist	GS-1105-06	\$25,637.00 PA

I-285.	52.222-43	FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT ACT--PRICE ADJUSTMENT (MULTIPLE YEAR AND OPTION CONTRACTS) (LAW FAR 22.1006(c) (1))	MAY 1989
I-294.	52.223-5	POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION (LAW FAR 23.1005)	APR 1998
T-295.	52.223-6	DRUG-FREE WORKPLACE (LAW FAR 23.505)	JAN 1997
I-297E.	52.223-14	TOXIC CHEMICAL RELEASE REPORTING (LAW FAR 23.907(b))	OCT 1996
I-312.	52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (LAW FAR 25.702)	JUL 2000
I-315.	52.227-1	AUTHORIZATION AND CONSENT (LAW FAR 27.201-2(a))	JUL 1995
T-317.	52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENTS (LAW FAR 27.202-2)	AUG 1996
I-326.	52.227-10	FILING OF PATENT APPLICATIONS--CLASSIFIED SUBJECT MATTER (LAW FAR 27.207-2)	APR 1984
T-332C.	52.227-14	RIGHTS IN DATA GENERAL (LAW FAR 27.409(a))	JUN 1987
T-332E.	52.227-14	RIGHTS IN DATA--GENERAL -- ALTERNATE II (LAW FAR 27.409(c), and 27.409(q))	JUN 1987
I-332F.	52.227-14	RIGHTS IN DATA--GENERAL -- ALTERNATE III (LAW FAR 27.409(d), and 27.409(g))	JUN 1987
I-337.	52.228-5	INSURANCE--WORK ON A GOVERNMENT INSTALLATION (LAW FAR 28.310)	JAN 1997
T-389.	52.232-7	PAYMENTS UNDER TIME AND-MATERIALS AND LABOR-HOUR CONTRACTS (LAW FAR 32.111(b))	FEB 1997
I-403.	52.232-17	INTEREST (LAW FAR 32.617(a), and 32.617(b))	JUN 1996
I-404.	52.232-18	AVAILABILITY OF FUNDS (LAW FAR 32.705-1(a))	APR 1984
I-408.	52.232-22	LIMITATION OF FUNDS (LAW FAR 32.705-2(c))	APR 1984
T-409.	52.232-23	ASSIGNMENT OF CLAIMS (LAW FAR 32.806(a) (1))	JAN 1986

I-412.	52.232-25	PROMPT PAYMENT (IAW FAR 32.903(c))	JUN 1997
For the purposes of this clause the blank(s) is/are completed as follows:			
(a) (5) (i) <u>7th</u>			
(b) (1) <u>30th</u>			
I-416F.	52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER-- CENTRAL CONTRACTOR REGISTRATION (IAW FAR 32.1110(a)(1))	MAY 1999
T-417.	52.233-1	DISPUTES (IAW FAR 33.215)	DEC 1998
T-419.	52.233-3	PROTEST AFTER AWARD (IAW FAR 33.106(b))	AUG 1996
T-420.	52.233-3	PROTEST AFTER AWARD -- ALTERNATE I (IAW FAR 33.106(b))	JEN 1985
T-478.	52.237-2	PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION (IAW FAR 37.110(b))	APR 1984
I-479.	52.237-3	CONTINUITY OF SERVICES (IAW FAR 37.110(c))	JAN 1991
I-490.	52.239-1	PRIVACY OR SECURITY SAFEGUARDS (IAW FAR 39.107)	AUG 1996
I-531.	52.242-3	PENALTIES FOR UNALLOWABLE COSTS (IAW FAR 42.709 6)	OCT 1995
I-532.	52.242-4	CERTIFICATION OF FINAL INDIRECT COSTS (IAW FAR 42.703-2(f))	JAN 1997

(c) The certificate of final indirect costs shall read as follows:

CERTIFICATE OF FINAL INDIRECT COSTS

This is to certify that I have reviewed this proposal to establish final indirect cost rates and to the best of my knowledge and belief:

- All costs included in this proposal F33601-00-R-9001 dated 24 May 2000 to establish final indirect costs rates for 1 Oct 00 thru 30 Sep 05 are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) and its supplements applicable to the contracts to which the final indirect cost rates will apply; and
- This proposal does not include any costs which are expressly unallowable under applicable cost principles of the FAR or its supplements.

Firm: SelectTech Services Corporation
 Signature: *Maxine H. Orum*
 Name of Certifying Official: Maxine H. Orum
 Title: Board Chairman
 Date of Execution: 24 May 2000

I-541.	52.242-13	BANKRUPTCY (IAW FAR 42.903)	JUL 1995
T-558.	52.243-3	CHANGES--TIME-AND-MATERIALS OR LABOR-HOURS (IAW FAR 43.205(c))	AUG 1987
I-570.	52.244-2	SUBCONTRACTS (IAW FAR 44.204(a)(1))	AUG 1998
(e) <u>all subcontracts which exceed the approval limit of the QAE</u>			
(k) <u>none</u>			
T-574.	52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (IAW FAR 44.403)	OCT 1998
I-579.	52.245-1	PROPERTY RECORDS (IAW FAR 45.106(a))	APR 1984
I-585.	52.245-5	GOVERNMENT PROPERTY (COST-REIMBURSEMENT, TIME-AND-MATERIAL, OR LABOR-HOUR CONTRACTS) (IAW FAR 45.106(f)(1))	JAN 1986

I-590.	52.245-9	USE AND CHARGES (DEVIATION) (IAW FAR 45.106(h), 45.307-6(c), 45.403(a) and DDP Memo dated 30 Aug 99, DAR Tracking #99-00011)	APR 1984
I 627.	52.246-23	LIMITATION OF LIABILITY (IAW FAR 46.805)	FEB 1997
I-630.	52.246-25	LIMITATION OF LIABILITY--SERVICES (IAW FAR 46.805)	FEB 1997
I-671.	52.248-1	VALUE ENGINEERING (IAW FAR 48.201(b) and (f))	FEB 2000
T-692.	52.249-6	TERMINATION (COST-REIMBURSEMENT) (IAW FAR 49.503(a)(1))	SEP 1996
I-696.	52.249-6	TERMINATION (COST-REIMBURSEMENT) -- ALTERNATE 1V (IAW FAR 49.503(a)(4))	SEP 1996
I-710.	52.249-14	EXCUSABLE DELAYS (IAW FAR 49.505(d))	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>			
T-750.	52.253-1	COMPUTER GENERATED FORMS (IAW FAR 53.111)	JAN 1991
TA-22.	252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE CONTRACT-RELATED FELONIES (IAW DFARS 203.570-5)	MAR 1999
IA-24.	252.203-7002	DISPLAY OF DOD HOTLINE POSTER (IAW DFARS 203.7002)	DEC 1991
IA-33.	252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT (IAW DFARS 204.404-70(b))	APR 1992
IA 34.	252.204-7004	REQUIRED CENTRAL CONTRACTOR REGISTRATION (IAW DFARS 204.7304)	MAR 1998
(Not applicable to awards with foreign vendors and foreign performance)			
IA-35C.	252.204-7005	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 90.	252.209-7000	ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER THE INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY (IAW DFARS 209.103-70)	NOV 1995
IA-92.	252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY (IAW DFARS 209.409)	MAR 1998
IA 152.	252.215-7000	PRICING ADJUSTMENTS (IAW DFARS 215.408(1))	DEC 1991
IA-280.	252.223-7004	DRUG-FREE WORK FORCE (IAW DFARS 223.570-4(a))	SEP 1988
IA-282.	252.223-7006	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
TA-312.	252.225-7025	RESTRICTION ON ACQUISITION OF FORGINGS (IAW DFARS 225.7102-4(a))	JUN 1997
IA-312C.	252.225-7026	REPORTING OF CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES (IAW DFARS 225.7203)	MAR 1998
IA 312H.	252.225-7031	SECONDARY ARAB BOYCOTT OF ISRAEL (IAW DFARS 225.770-3)	JUN 1992

IA-399.	252.231-7000	SUPPLEMENTAL COST PRINCIPLES (IAW DFARS 231.100-70)	DEC 1991
IA-632.	252.242-7000	POSTAWARD CONFERENCE (IAW DFARS 242.570)	DEC 1991
IA-649.	252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT (IAW DFARS 243.205-72)	MAR 1998
IA-745.	252.247-7023	TRANSPORTATION OF SUPPLIES BY SEA (IAW DFARS 247.573(b))	MAR 2000
IA-746.	252.247-7024	NOTIFICATION OF TRANSPORTATION OF SUPPLIES BY SEA (IAW DFARS 247.573(c))	MAR 2000
IB-305.	5352.204-9000	NOTIFICATION OF GOVERNMENT SECURITY ACTIVITY (IAW AFFARS 5304.404-90)	MAY 1996
IB-306.	5352.204-9001	VISITOR GROUP SECURITY AGREEMENTS (IAW AFFARS 5304.404-90)	MAY 1996
IB-320.	5352.223-9000	ELIMINATION OF USE OF CLASS I OZONE DEPLETING SUBSTANCES (ODS) (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

IB-321.	5352.223-9001	HEALTH AND SAFETY ON GOVERNMENT INSTALLATIONS (IAW AFFARS 5323.9002)	JUN 1997
IB-343.	5352.242-9000	CONTRACTOR ACCESS TO AIR FORCE INSTALLATIONS (IAW AFFARS 5342.490-1)	MAY 1996

(a) The contractor shall obtain base identification and vehicle passes for all contractor personnel who make frequent visits to or perform work on the Air Force installation(s) cited in the contract. Contractor personnel are required to wear or prominently display installation identification badges or contractor-furnished, contractor identification badges while visiting or performing work on the installation.

(b) The contractor shall submit a written request on company letterhead to the contracting officer listing the following: contract number, location of work site, start and stop dates, and names of employees and subcontractor employees needing access to the base. The letter will also specify the individual(s) authorized to sign for a request for base identification credentials or vehicle passes. The contracting officer will endorse the request and forward it to the issuing base pass and registration office or security police for processing. When reporting to the registration office, the authorized contractor individual(s) should provide a valid driver's license, current vehicle registration, and valid vehicle insurance certificate to obtain a vehicle pass.

(c) During performance of the contract, the contractor shall be responsible for obtaining required identification for newly assigned personnel and for prompt return of credentials and vehicle passes for any employee who no longer requires access to the work site.

(d) When work under this contract requires unescorted entry to controlled or restricted areas, the contractor shall comply with AFI 31-209, the Air Force Resource Protection Program, and AFI 31-501, Personnel Security Program Management, as applicable.

(e) Upon completion or termination of the contract or expiration of the identification passes, the prime contractor shall ensure that all base identification passes issued to employees and subcontractor employees are returned to the issuing office.

(f) Prior to submitting an invoice for final payment, the prime contractor shall obtain a clearance certificate from the issuing office which states all base identification passes have been turned in, accounted for, or transferred to a follow-on contract. This certification shall be submitted to the contracting officer prior to submission of the final invoice for payment.

(g) Failure to comply with these requirements may result in withholding of final payment.

IR-407. 5352.207-9001 GOVERNMENT PERFORMANCE OF SERVICES DURING JUL 1997
 LABOR STRIKES (AFMC)
 (IAW AFMCFARS 5307.391(c))

(a) Because the services called for under this contract are of critical importance to the Air Force, the Government reserves the right to take over performance of this contract in the event of a labor strike by the Contractor's employees which impairs the Contractor's ability to satisfactorily perform the contract. In such event, the services shall be performed exclusively by Air Force employees and not a mix of Air Force and nonstriking Contractor employees. Under such circumstances, and at the direction of the Contracting Officer, the Contractor agrees to remove its nonstriking force from the performance site and not to interfere in any way with Government performance. The Contractor further agrees under such circumstances to permit the Government to use any essential Contractor-furnished property. The Government shall equitably compensate the Contractor for use of such property.

(b) The Contractor shall not be entitled to payment for any performance period or part thereof during which the Government assumes performance pursuant to this clause. This clause does not limit the Government's rights under any other clause of this contract including but not limited to "Default (Fixed Price Supply and Service)," "Termination for Convenience of the Government (Fixed-Price)," and "Inspection of Services-Fixed-Price."

IR-408. 5352.207-9002 RIGHTS OF THE GOVERNMENT TO PERFORM JUL 1997
 FUNCTIONS WITH ITS OWN PERSONNEL (AFMC)
 (IAW AFMCFARS 5307.391(c))

(a) The Government reserves the right to perform or supplement performance of contract functions with Government personnel during periods of disaster, war emergencies, police actions, or acts of God.

(b) The performance described in (a) above, will not constitute a breach of contract by the Government within the meaning of FAR 52.249-8, Default (Fixed Price Supply and Service).

IR-423. 5352.215-9009 TRAVEL (AFMC) JUL 1997
 (IAW AFMCFARS 5315.209-90(k))

(a) The Contractor may be required to travel within the contiguous United States and overseas. The Contractor may be required to travel by Government-provided transportation. Travel requirements will be reimbursed by separate voucher and must be approved in advance by the Contracting Officer. Travel requirements will be identified, proposed, and negotiated in individual task orders on a cost-reimbursement basis. Billable travel costs are air fare, ground transportation, and per diem costs, not labor hours. The Contractor shall be responsible for obtaining any passports or visas and making travel arrangements to and from any CONUS location.

(1) Per diem, air fare, and all other allowable travel costs shall be reimbursed in accordance with the Federal Acquisition Regulation. All travel within overseas areas shall be approved in advance by the Contracting Officer. (2) The Government may provide travel to and from overseas work sites via Air Mobility Command (AMC) flights, if available. AMC travel fees may be Contractor-paid and invoiced to the Government. The Government will be responsible for obtaining travel clearances and issuance of any required special orders.

(b) Use of AMC transportation shall be approved in advance by the Contracting Officer or designee. Orders authorizing AMC travel will specify the Contractor's Customer Identification Code (CIC). If the Contractor does not have CIC number, the orders will state "special account handling: billing for AMC transportation will be forwarded to (contractor's address)." Use of AMC transportation is subject to availability.

(c) The travel CLIN is intended to pay for travel occurring at the direction of the Government, performed in conjunction with a specific trip authorized in a task order. Travel by clerical support personnel shall be approved in advance by the Contracting Officer.

IR-462. 5352.227-9000 EXPORT-CONTROLLED DATA RESTRICTIONS (AFMC) JUL 1997
 (IAW AFMCFARS 5327.601(90))

(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)).

IB 463C. 5352.227-9002 VISIT REQUESTS BY FOREIGN-OWNED OR CONTROLLED FIRMS (AFMC) JUL 1997
(IAW AFMCFARS 5327.9002(b))

(a) Prime Contractors which are foreign-owned or controlled and require access to a U.S. Government installation shall submit visit requests through their foreign embassy in Washington, D.C. at least 30 days prior to the proposed visit date.

(b) Subcontractors which are foreign-owned or controlled and require access to a U.S. Government installation shall have their prime Contractor submit a visit request to the security police office of the base being visited at least two weeks before the scheduled meeting.

(c) Canadian Contractors and Canadian government employees may directly arrange visits by having their security office submit a visit request to the security police office of the base being visited at least two weeks before the scheduled meeting.

IB-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.

IB-476. 5352.235-9001 KEY POSITIONS AND MINIMUM QUALIFICATIONS (AFMC) JUL 1997
(IAW AFMCFARS 5335.007-90)

(a) Contractor personnel holding the position titles and having the qualifications listed below are considered essential to the work being performed under this contract:

Key Positions:
(list by job title)

Program Manager

Minimum Qualifications:
(list minimum qualifications in terms
of education and/or experience)

PWS Paragraphs 1.2.4 and 1.2.4.1

<p>Site Manager</p> <p>Test Engineer V</p> <p>Test Engineer IV</p>	<p>PWS Paragraphs 1.2.5.2, 1.2.5.2.1, 1.2.5.2.2, 1.2.5.2.3</p> <p>PWS Paragraphs 1.2.5.1 and 1.2.5.1.2</p> <p>PWS Paragraphs 1.2.5.3, 1.2.5.3.1, 1.2.5.3.2, 1.2.5.3.3</p>
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(b) The contractor shall notify the contracting officer before the departure of any individual in a key position and identify the proposed substitution. Any proposed personnel substitution that does not meet the minimum qualification requirements described above requires the prior written approval of the contracting officer.

IB-485C. 5352.237-9000 **EMPLOYEE QUALIFICATION (AFMC)** JUL 1997
 (IAW AFMCFARS 5337.110-90(a))

The Contractor shall assign employees to this contract who possess the qualifications required by the contract. To substantiate the employees' qualifications, the Contractor shall submit a resume to the Contracting Officer for each employee performing services during the term of the contract. The resumes shall be delivered to the Contracting Officer within the first week that the employee performs services under the contract or prior to the first billing for services performed by the employee, whichever date is the earlier. The hourly rate billed by the Contractor for an employee who does not meet the required qualifications may be unilaterally adjusted downward to a wage rate that the Contracting Officer determines to be appropriate. If the Contractor has already received payment, the Contracting Officer may make adjustment on the next invoice or require repayment by the Contractor.

IB-486C. 5352.237-9001 **CONTRACTOR IDENTIFICATION (AFMC)** JUL 1997
 (IAW AFMCFARS 5337.110-90(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.

IB-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 (c), 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 nonavailability 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: Wright-Patterson AFB, OH, Area B, Buildings 24B, 24C, 45, 461, 65, 68, Hydrogen Test Facility (adjacent to Bldg 65), 440, 73.

(f) The Government support to be furnished under this contract is listed in the Performance Work Statement (PWS). 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.

IB 515D.5352.245-9004

BASE SUPPORT -- ALTERNATE I (AFMC)
(TAW AFMCFARS 5345.106 90(a))

JUL 1997

Add the following paragraph (g) to the basic clause:

(g) When this contract is a cost, cost-reimbursement, time and materials, or labor hour contract, the Contractor agrees that in the performance of this contract or any major subcontract no direct or indirect costs for property will be incurred if the Government determines that property is available at, or through any Air Force installation where this contract shall be performed. Only the prior written approval of the Contracting Officer can relieve the Contractor from this restriction.

PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J

LIST OF ATTACHMENTS

(All listed attachments are at the end of this document)

<u>ATCH NR</u>	<u>TITLE</u>	<u>DATE</u>	<u>NR OF PAGES</u>
Attachment 1	Fixed Rate Chart		5
Attachment 2	Performance Work Statement	31 Mar 00	59
Attachment 3	DD Form 254 Contract Security Classification Specification	27 Jul 00	4
Attachment 4	Department of Labor Wage Determination 94-2419 (Rev. 15)	14 Jun 00	8
Exhibit A	DD Form 1423 Contract Data Requirements List	22 Dec 99	14

Attachment 1

FIXED RATE CHART
CLIN 0001

DESCRIPTION

QUANTITY

UNIT

UNIT PRICE

FST TOTAL AMOUNT

LABOR CATEGORIES, FIRST SHIFT

REGULAR RATE	Engineer V	Estimated	400	Hours
REGULAR RATE	Computer Scientist	Estimated	2000	Hours
REGULAR RATE	Program Manager	Estimated	200	Hours
REGULAR RATE	Site Manager	Estimated	1000	Hours
REGULAR RATE	Test Engineer IV	Estimated	40	Hours
REGULAR RATE	Test Engineer III	Estimated	2000	Hours
REGULAR RATE	Test Engineer II	Estimated	2000	Hours
REGULAR RATE	Test Engineer I	Estimated	40	Hours
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours
REGULAR RATE	Engineering Technician VI	Estimated	6000	Hours
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours
REGULAR RATE	Engineering Technician IV	Estimated	6000	Hours
REGULAR RATE	Engineering Technician III	Estimated	40	Hours
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours

TOTAL ESTIMATE 38780

OVERTIME RATE	Engineer V	Estimated	10	Hours
OVERTIME RATE	Computer Scientist	Estimated	40	Hours
OVERTIME RATE	Site Manager	Estimated	40	Hours
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours
OVERTIME RATE	Test Engineer III	Estimated	40	Hours
OVERTIME RATE	Test Engineer II	Estimated	20	Hours
OVERTIME RATE	Test Engineer I	Estimated	10	Hours
OVERTIME RATE	Computer Systems Analyst III	Estimated	10	Hours
OVERTIME RATE	Engineering Tech VI	Estimated	60	Hours
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours
OVERTIME RATE	Engineering Tech IV	Estimated	60	Hours
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours

TOTAL OVERTIME ESTIMATE 500

SECOND SHIFT: MON - FRI (1546 HRS THROUGH 2345 HRS)

SECOND SHIFT	Computer Scientist	Estimated	40	Hours
SECOND SHIFT	Site Manager	Estimated	40	Hours
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours
SECOND SHIFT	Test Engineer III	Estimated	40	Hours
SECOND SHIFT	Test Engineer II	Estimated	40	Hours
SECOND SHIFT	Test Engineer I	Estimated	40	Hours
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON - FRI (2330 HRS - 0700 HRS)

THIRD SHIFT	Site Manager	Estimated	40	Hours
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours
THIRD SHIFT	Test Engineer III	Estimated	40	Hours
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS Estimated 1 LO \$1,000,000.00

Handling charges % (if applicable)

SUBCONTRACTING Estimated 1 LO \$413,000.00

Handling charges % (if applicable)

TRAVEL (Cost Reimbursable Item)See Clause 10-423 Estimated 1 LO \$70,000.00

DATA *(NSP)= Not Separately Priced NSP*

GENERAL & ADMINISTRATIVE % (if applicable, see Clause 11-500)

ESTIMATED BASE YEAR TOTAL \$2,937,725.10

Attachment 1

FIELD RATE CHART

DESCRIPTION

QUANTITY

UNIT

UNIT PRICE

EST. TOTAL AMOUNT

CLIN 0002

LABOR CATEGORIES, FIRST SHIFT

REGULAR RATE	Engineer V	Estimated	400	Hours
REGULAR RATE	Computer Scientist	Estimated	2000	Hours
REGULAR RATE	Program Manager	Estimated	200	Hours
REGULAR RATE	Site Manager	Estimated	4000	Hours
REGULAR RATE	Test Engineer IV	Estimated	40	Hours
REGULAR RATE	Test Engineer III	Estimated	2000	Hours
REGULAR RATE	Test Engineer II	Estimated	2000	Hours
REGULAR RATE	Test Engineer I	Estimated	40	Hours
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours
REGULAR RATE	Engineering Technician VI	Estimated	6000	Hours
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours
REGULAR RATE	Engineering Technician IV	Estimated	8000	Hours
REGULAR RATE	Engineering Technician III	Estimated	40	Hours
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours

TOTAL ESTIMATE 36760

OVERTIME RATE	Test Engineer V	Estimated	10	Hours
OVERTIME RATE	Computer Scientist	Estimated	40	Hours
OVERTIME RATE	Site Manager	Estimated	40	Hours
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours
OVERTIME RATE	Test Engineer III	Estimated	40	Hours
OVERTIME RATE	Test Engineer II	Estimated	20	Hours
OVERTIME RATE	Test Engineer I	Estimated	10	Hours
OVERTIME RATE	Computer Systems Analyst III	Estimated	10	Hours
OVERTIME RATE	Engineering Tech VI	Estimated	60	Hours
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours
OVERTIME RATE	Engineering Tech IV	Estimated	80	Hours
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours

TOTAL OVERTIME ESTIMATE 500

SECOND SHIFT: MON - FRI (1545 HRS THROUGH 2345 HRS)

SECOND SHIFT	Computer Scientist	Estimated	40	Hours
SECOND SHIFT	Site Manager	Estimated	40	Hours
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours
SECOND SHIFT	Test Engineer III	Estimated	40	Hours
SECOND SHIFT	Test Engineer II	Estimated	40	Hours
SECOND SHIFT	Test Engineer I	Estimated	40	Hours
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON - FRI (2330 HRS - 0730 HRS)

THIRD SHIFT	Site Manager	Estimated	40	Hours
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours
THIRD SHIFT	Test Engineer III	Estimated	40	Hours
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS Estimated 1 LO \$1,000,000.00

Handling charges % (if applicable)

SUBCONTRACTING Estimated 1 LO \$445,000.00

Handling charges % (if applicable)

TRAVEL (Cost Reimbursable Item) See Clause 1B 423 Estimated 1 LO \$20,000.00

DATA (NSP) - Not Separately Priced NSP*

GENERAL & ADMINISTRATIVE % (if applicable, see Clause 1H-500)

ESTIMATED OPTION 1 TOTAL \$2,948,667.80

Attachment 1

FIXED RATE CHART
CIJN 0003

DESCRIPTION

QUANTITY

UNIT

UNIT PRICE

EST. TOTAL AMOUNT

LABOR CATEGORIES, FIRST SHIFT

REGULAR RATE	Test Engineer V	Estimated	400	Hours
REGULAR RATE	Computer Scientist	Estimated	2000	Hours
REGULAR RATE	Program Manager	Estimated	200	Hours
REGULAR RATE	Site Manager	Estimated	4000	Hours
REGULAR RATE	Test Engineer IV	Estimated	40	Hours
REGULAR RATE	Test Engineer III	Estimated	2000	Hours
REGULAR RATE	Test Engineer II	Estimated	2000	Hours
REGULAR RATE	Test Engineer I	Estimated	40	Hours
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours
REGULAR RATE	Engineering Technician VI	Estimated	6000	Hours
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours
REGULAR RATE	Engineering Technician IV	Estimated	6000	Hours
REGULAR RATE	Engineering Technician III	Estimated	40	Hours
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours

TOTAL ESTIMATE 36760

OVERTIME RATE	Test Engineer V	Estimated	10	Hours
OVERTIME RATE	Computer Scientist	Estimated	40	Hours
OVERTIME RATE	Site Manager	Estimated	40	Hours
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours
OVERTIME RATE	Test Engineer III	Estimated	40	Hours
OVERTIME RATE	Test Engineer II	Estimated	20	Hours
OVERTIME RATE	Test Engineer I	Estimated	10	Hours
OVERTIME RATE	Computer Systems Analyst III	Estimated	10	Hours
OVERTIME RATE	Engineering Tech VI	Estimated	60	Hours
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours
OVERTIME RATE	Engineering Tech IV	Estimated	80	Hours
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours

TOTAL OVERTIME ESTIMATE 600

SECOND SHIFT: MON - FRI (1548 HRS THROUGH 2345 HRS)

SECOND SHIFT	Computer Scientist	Estimated	40	Hours
SECOND SHIFT	Site Manager	Estimated	40	Hours
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours
SECOND SHIFT	Test Engineer III	Estimated	40	Hours
SECOND SHIFT	Test Engineer II	Estimated	40	Hours
SECOND SHIFT	Test Engineer I	Estimated	40	Hours
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON - FRI (2330 HRS - 0730 HRS)

THIRD SHIFT	Site Manager	Estimated	40	Hours
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours
THIRD SHIFT	Test Engineer III	Estimated	40	Hours
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS Estimated 1 LO \$1,000,000.00
Handling charges % (if applicable)

SUBCONTRACTING Estimated 1 LO \$443,000.00
Handling charges % (if applicable)

TRAVEL (Cost Reimbursable Item) See Clause IB-423 Estimated 1 LO \$20,000.00

DATA (NSP)= Not Separately Priced NSP*

GENERAL & ADMINISTRATIVE % (if applicable, see Clause II-508)

ESTIMATED OPTION II TOTAL \$2,965,137.20

Attachment 1

FIXED RATE CHART
CLIN 0004

DESCRIPTION

QUANTITY UNIT UNIT PRICE EST. TOTAL AMOUNT

LABOR CATEGORIES, FIRST SHIFT

REGULAR RATE	Test Engineer V	Estimated	400	Hours
REGULAR RATE	Computer Scientist	Estimated	2000	Hours
REGULAR RATE	Program Manager	Estimated	200	Hours
REGULAR RATE	Site Manager	Estimated	1000	Hours
REGULAR RATE	Engineer IV	Estimated	40	Hours
REGULAR RATE	Engineer III	Estimated	2000	Hours
REGULAR RATE	Engineer II	Estimated	2000	Hours
REGULAR RATE	Engineer I	Estimated	40	Hours
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours
REGULAR RATE	Engineering Technician VI	Estimated	6000	Hours
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours
REGULAR RATE	Engineering Technician IV	Estimated	6000	Hours
REGULAR RATE	Engineering Technician III	Estimated	40	Hours
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours

TOTAL ESTIMATE 36760

OVERTIME RATE	Test Engineer V	Estimated	10	Hours
OVERTIME RATE	Computer Scientist	Estimated	40	Hours
OVERTIME RATE	Site Manager	Estimated	40	Hours
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours
OVERTIME RATE	Test Engineer III	Estimated	40	Hours
OVERTIME RATE	Test Engineer II	Estimated	20	Hours
OVERTIME RATE	Test Engineer I	Estimated	10	Hours
OVERTIME RATE	Computer Systems Analyst III	Estimated	10	Hours
OVERTIME RATE	Engineering Tech VI	Estimated	60	Hours
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours
OVERTIME RATE	Engineering Tech IV	Estimated	60	Hours
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours

TOTAL OVERTIME ESTIMATE 500

SECOND SHIFT: MON - FRI (1548 HRS THROUGH 2345 HRS)

SECOND SHIFT	Computer Scientist	Estimated	40	Hours
SECOND SHIFT	Site Manager	Estimated	40	Hours
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours
SECOND SHIFT	Test Engineer III	Estimated	40	Hours
SECOND SHIFT	Test Engineer II	Estimated	40	Hours
SECOND SHIFT	Test Engineer I	Estimated	40	Hours
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON - FRI (2330 HRS - 0730 HRS)

THIRD SHIFT	Site Manager	Estimated	40	Hours
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours
THIRD SHIFT	Test Engineer III	Estimated	40	Hours
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS	Estimated	1 LO	\$1,000,000.00
Handling charges % (if applicable)			
SUBCONTRACTING	Estimated	1 LO	\$443,000.00
Handling charges % (if applicable)			
TRAVEL (Cost Reimbursable Item) See Clause H-423	Estimated	1 LO	\$20,000.00
DATA (NSP) - Not Separately Priced			NSP
GENERAL & ADMINISTRATIVE % (if applicable, see Clause H-56a)			
ESTIMATED OPTION III TOTAL			\$2,982,078.40

Attachment 1

FIXED RATE CHART
CLIN 0005

DESCRIPTION

QUANTITY UNIT

UNIT PRICE

EST. TOTAL AMOUNT

LABOR CATEGORIES, HRSS1 SHIF1

SelfTech Services

REGULAR RATE	Test Engineer V	Estimated	400	Hours
REGULAR RATE	Computer Scientist	Estimated	2000	Hours
REGULAR RATE	Program Manager	Estimated	200	Hours
REGULAR RATE	Site Manager	Estimated	4000	Hours
REGULAR RATE	Test Engineer IV	Estimated	40	Hours
REGULAR RATE	Test Engineer III	Estimated	2000	Hours
REGULAR RATE	Test Engineer II	Estimated	2000	Hours
REGULAR RATE	Test Engineer I	Estimated	40	Hours
REGULAR RATE	Computer System Analyst III	Estimated	40	Hours
REGULAR RATE	Engineering Technician VI	Estimated	8000	Hours
REGULAR RATE	Engineering Technician V	Estimated	12000	Hours
REGULAR RATE	Engineering Technician IV	Estimated	5000	Hours
REGULAR RATE	Engineering Technician III	Estimated	40	Hours
REGULAR RATE	Material Requirements Specialist	Estimated	2000	Hours

TOTAL ESTIMATE 36760

OVERTIME RATE	Test Engineer V	Estimated	10	Hours
OVERTIME RATE	Computer Scientist	Estimated	40	Hours
OVERTIME RATE	Site Manager	Estimated	40	Hours
OVERTIME RATE	Test Engineer IV	Estimated	20	Hours
OVERTIME RATE	Test Engineer III	Estimated	40	Hours
OVERTIME RATE	Test Engineer II	Estimated	20	Hours
OVERTIME RATE	Test Engineer I	Estimated	10	Hours
OVERTIME RATE	Computer Systems Analyst III	Estimated	10	Hours
OVERTIME RATE	Engineering Tech VI	Estimated	60	Hours
OVERTIME RATE	Engineering Tech V	Estimated	120	Hours
OVERTIME RATE	Engineering Tech IV	Estimated	80	Hours
OVERTIME RATE	Engineering Tech III	Estimated	10	Hours
OVERTIME RATE	Material Requirements Specialist	Estimated	40	Hours

TOTAL OVERTIME ESTIMATE 500

SECOND SHIFT: MON - FRI (1545 HRS THROUGH 2345 HRS)

SECOND SHIFT	Computer Scientist	Estimated	40	Hours
SECOND SHIFT	Site Manager	Estimated	40	Hours
SECOND SHIFT	Test Engineer IV	Estimated	40	Hours
SECOND SHIFT	Test Engineer III	Estimated	40	Hours
SECOND SHIFT	Test Engineer II	Estimated	40	Hours
SECOND SHIFT	Test Engineer I	Estimated	40	Hours
SECOND SHIFT	Computer System Analyst III	Estimated	40	Hours
SECOND SHIFT	Engineering Technician VI	Estimated	40	Hours
SECOND SHIFT	Engineering Technician V	Estimated	40	Hours
SECOND SHIFT	Engineering Technician IV	Estimated	40	Hours
SECOND SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL SECOND SHIFT ESTIMATE 440

THIRD SHIFT: MON - FRI (2330 HRS - 0730 HRS)

THIRD SHIFT	Site Manager	Estimated	40	Hours
THIRD SHIFT	Test Engineer IV	Estimated	40	Hours
THIRD SHIFT	Test Engineer III	Estimated	40	Hours
THIRD SHIFT	Computer System Analyst III	Estimated	40	Hours
THIRD SHIFT	Engineering Technician VI	Estimated	40	Hours
THIRD SHIFT	Engineering Technician V	Estimated	40	Hours
THIRD SHIFT	Engineering Technician IV	Estimated	40	Hours
THIRD SHIFT	Engineering Technician III	Estimated	40	Hours

TOTAL THIRD SHIFT ESTIMATE 320

MATERIALS
Handling charges % (if applicable) Estimated 1 LO \$1,000,000.00

SUBCONTRACTING
Handling charges % (if applicable) Estimated 1 LO \$443,000.00

TRAVEL (Grid Reimbursable Item) See Clause 1B-423 Estimated 1 LO \$20,000.00

DATA *(NSP)= Not Separately Priced NSP

GENERAL & ADMINISTRATIVE % (if applicable, see Clause 11-303)

ESTIMATED OPTION IV TOTAL \$2,999,553.50
ESTIMATED TOTAL BASE YEAR AND OPTIONS IV \$4,878,157.00

**PERFORMANCE WORK
STATEMENT**

FOR

STRUCTURES DIVISION TEST FACILITIES SUPPORT

DATE: 31 MAR 00

**PERFORMANCE WORK STATEMENT
FOR
STRUCTURES DIVISION TEST FACILITIES SUPPORT
AIR FORCE RESEARCH LABORATORY (AFRL)**

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SECTION C-1

GENERAL INFORMATION

1.1 SCOPE OF WORK.

1.1.1 The contractor shall provide the personnel, equipment, tools, materials, services, supervision, and other items required by work orders that support Air Force Structural and Analytical Validation Programs as directed by the Structures Division, Air Vehicles Directorate, Air Force Research Laboratory (AFRL). The contractor shall provide all items, services and personnel as defined in this performance work statement (PWS), except as specified in Section C-3 as government-furnished property and services, at Wright Patterson AFB, Air Force Research Laboratory, Air Vehicles Directorate (AFRL/VA), Structures Division (AFRL/VAS). Specific duty locations include the Building 24C complex for the acoustic and vibrations testing, and the Building 65 complex for full-scale structures, subcomponents, and coupon level Ambient and Thermal Structural Static and Durability testing. The contractor shall perform to the standards in this contract.

1.1.2 Due to constantly changing Air Force needs, priorities and unforeseeable future funding levels, there may be substantial changes in the contractor workload. Current requirements are based on present, on-going test programs and support efforts. Future requirements are based on current needs plus potential test programs that AFRL/VAS may support but to which no current firm commitments exist. Workload changes may be dictated by the requirement for timely completion of critical test programs, an increase in complexity of a current test, support of a new test program or conversely a program cancellation or delay. AFRL/VAS will provide the contractor with as much advance notice of staffing requirements as is practical and may provide the contractor with Test Plans outlining the objectives and schedule for each test to be supported. The contractor may also be tasked to perform test planning and conceptual development.

1.1.3 Procurement of materials, specialized equipment and services to support assigned work orders shall be required. The materials shall consist of raw materials, custom hardware, off-the-shelf equipment, computer hardware and software, replacement parts, critical spares, expendable supplies, administrative supplies, manufacturer's literature and drawings. The services acquired are those services of personnel, laboratories and equipment which may be required to provide completeness and continuity of the overall efforts and which cannot be performed by the personnel or equipment regularly assigned to the contract. The acquisition of services shall also be required to expedite task accomplishment when short notice test programs with critical test schedules are supported. Some contractor travel to other government installations, manufacturer's facilities or technical conferences is anticipated. This travel may be for directly supporting a remote test effort; reviewing other test programs; gathering, obtaining or presenting technical data; inspecting partially completed procurement items; or for training on new equipment or tasks needed by AFRL/VAS during the period of the contract.

1.1.4 AFRL/VAS will apprise the contractor of all test schedules allowing the contractor as much lead time as possible. However, short notice, high priority test programs shall be supported from time to time. Examples of such critical programs may be AFRL/VAS support to an operational unit which has a safety of flight structural problem or a system with a design deficiency which severely limits the performance of a critical Air Force mission or is causing an exorbitant expenditure for replacement parts.

1.1.5 Acoustic and vibration tests as well as combined environmental tests are planned and conducted. Acoustic test objectives include eliciting dynamic structural response and determining the durability of structures in an acoustic and/or thermal environment. Research and development programs are ongoing to accurately predict the structural response to fluctuating pressure loads. The design of aircraft that perform in the extreme environments of high temperature, severe acoustic excitation and complex loads are dependent upon performing thermal acoustic combined environment experiments on selected materials and structural design concepts to verify the simulation and analytical tools used to develop acoustic fatigue design criteria. Vibration tests are conducted to validate the performance of aircraft structures and components from forces produced by gunfire, aerodynamic shock waves, separated air flow, buffet, and jet

engine exhaust noise. Tests for dynamic and fatigue characteristics are conducted with specimens mounted to shakers. Test methodology and instrumentation are developed to characterize materials and structures.

1.1.6 Static, fatigue, damage tolerance, and miscellaneous highly specialized structural tests are planned and conducted in environments that vary from ambient air to any combination of heat, humidity, and inert gas atmospheres. Environmental conditioning tests are routinely conducted at temperatures ranging from cryogenic (-425°F) through 4000°F on full-scale structures, components, sub-components, and coupons. Test objectives are typically to validate structural design objectives in terms of the strength, life, survivability of heat transfer capabilities, and to verify design analytical tools and applications. The test articles are subjected to internal and external temperatures, pressures, mechanical loads, chemical exposures (such as fuels) and simulated altitude changes. Fatigue (or durability) tests consists of real time variations of these parameters either singularly or in combination.

1.1.7 Crack growth, structural life prediction, aircraft repair, and corrosion fatigue research is performed. Support includes analytical methodology development and component and coupon level experimental verification. Testing is performed at ambient, cryogenic and elevated temperatures. Data reduction and analysis and fractographic inspections are performed. Development of new testing methods, data acquisition and control is performed.

1.1.8 The Structural Concepts fabrication requirements are used to develop and demonstrate advanced structural concepts and design techniques. This encompasses the investigation, design, development, fabrication, assembly, and structural demonstration of advanced composite materials, structural concepts and prototype aerospace components to demonstrate improved supportability and survivability. This capability is utilized to support research in advanced thermoset, thermoplastic and metallic structural materials applied to aerospace structures. The purpose of this research is to investigate new material systems and structural configurations for improved performance, supportability and survivability of current and future aerospace vehicles.

1.1.9 Programs are directed toward basic research, exploratory and advanced development programs for technologies used to solve critical structural problems for current and future Air Force weapons systems and their support equipment. Research is conducted with the objective of advancement of the state-of-the-art analytical and testing methodologies. Support is provided to private industry, Air Force organizations, other Department of Defense components, and NASA.

1.1.10 The equipment utilized in AFRL/VAS test programs consists of custom designed and fabricated devices and hardware (either in-house or out-sourced) as well as off-the-shelf equipment. Specially configured equipment may consist of hydraulic, pneumatic, cryogenic, mechanical, electrical, computer, instrumentation and electronic subsystems and components. Specially configured and modified variations of commercially available equipment are also used. Standard commercially available equipment and devices are used where practical and feasible. Custom, in-house written and modified, contractor written and modified, and standard commercially available software routines are also used for test data acquisition, control and post-processing. The software is run under various computer systems. Government may provide training to contract staff on custom equipment and software.

1.1.11 Support services necessary for AFRL/VAS programs include: design, fabrication, assembly, upgrading and calibration of the experimental test equipment. The support services shall include operation, fabrication, modification, maintenance, repair and overhaul of specialized devices, test systems, facilities, and structures. Other services include: planning and design, setup, inspection, tear down, documentation, analytical methods development and data reduction/analysis. Acquisition of test articles, expendable test supplies, unique materials, custom devices, and specialized tools and services as well as off-the-shelf hardware and software will be required. Support for current technologies and for advancing the state-of-the-art methodologies may be required.

1.2 CONTRACTOR PERSONNEL.

1.2.1 ADMINISTRATIVE STAFF.

1.2.1.1 GENERAL REQUIREMENTS. All purely administrative staff is ancillary to the technical requirements of this contract and shall be nonproductive labor as defined in section C-2, paragraph 2.1.14.

1.2.1.2 Contract Manager. The contractor shall provide a contract manager who shall be responsible for the performance of the work. The name of this person, and an alternate or alternates who shall act for the contractor when the manager is absent, shall be designated in writing to the contracting officer prior to start of contract period of performance. The contract manager or alternate shall have full authority to act for the contractor on all contract matters relating to daily operation of this contract.

1.2.1.2. The contract manager or alternate shall be available during normal duty hours within 120 minutes to meet on the installation with government personnel (designated by the contracting officer) to discuss problem areas. After normal duty hours, the manager or alternate shall be available within 4 hours.

1.2.1.3. The contract manager and alternate or alternates must be able to read, write, speak, and understand English.

1.2.2. Contractor Employees. The contractor shall not employ persons for work on this contract if such employee is identified to the contractor by the contracting officer as a potential threat to the health, safety, security, general well-being or operations mission of the installation and its population.

1.2.2.1 Contractor personnel shall present a neat appearance and be easily recognized as contractor employees. All contractor personnel shall be required to wear a clearly displayed identification badge indicating that they are contractors at all times while working under the contract on Department of Defense property.

1.2.2.2. The contractor shall not employ any person who is an employee of the US Government if employing that person would create a conflict of interest. Additionally, the contractor shall not employ any person who is an employee of the Department of the Air Force, either military or civilian, unless such person seeks and receives approval according to the Joint Ethics Regulation, DOD 5500.7R. The contractor shall not employ any person who is an employee of the Department of the Air Force if such employment would be contrary to the policies in AFI 64 106.

1.2.2.3. The contractor is cautioned that off-duty active military personnel hired under this contract may be subject to permanent change of station, change in duty hours, or deployment. Military Reservists and National Guard members may be subject to recall to active duty. The abrupt absence of these personnel could adversely affect the contractor's ability to perform, however, their absence at any time shall not constitute an excuse for nonperformance under this contract.

1.2.3 TECHNICAL STAFF

1.2.3.1 TECHNICAL STAFF JOB DESCRIPTIONS/REQUIREMENTS. The technical staff shall consist of on-site management and technical personnel. The management personnel shall have the responsibility of supervising and controlling all contractor technical personnel assigned to the program. The contractor program management shall be responsible for the assignment of technical personnel in accordance with the requirements set forth below. The technical personnel shall be selected and assigned by category and in sufficient quantity to accomplish the work assigned in accordance with the required Work Orders. The government requirements will vary from time to time in quantity of personnel and in necessary specialized experience based on the size and nature of a given test program. Adjustments to these variations in requirements shall be provided for by the contractor (i.e., contractor shall make staff quantity and skill adjustments as necessary based on government requirements).

1.2.4 PROGRAM MANAGER. The efforts provided under this program shall be under the direct control and administrative supervision of the contractor's Program Manager. The Program Manager shall be responsible for the overall management of the effort and will be the government ACO's point of contact for all contractual administrative communications. The Program Manager shall have a diploma representing four (4) years of formal education in a college, trade school or military technical training program and a minimum of eight (8) years experience in the management and supervision of at least ten (10) personnel performing technical maintenance and/or research and development activities. The program manager shall insure CDRL items for the contract are submitted correctly and on schedule; do background research and write justification letters for the acquisition of non routine materials, equipment, and subcontracted services; monitor and verify the performance of subcontractors; be imbued with sufficient authority to commit the contractor company to purchases; perform quality functions as required by the contract; review vouchers for accuracy prior to submittal to the government for payment; implement and ensure compliance with company policies dealing with security, property control, equal opportunity, and purchasing; ensure contractual requirements are met in a timely fashion; be held responsible for security, safety, HAZMAT and contractual training compliance. The Program Manager shall resolve personnel and scheduling conflicts.

1.2.4.1 Although the required management and administrative functions justify having a Program Manager position on the contract, the contractor may consider the Program Manager to be nonproductive labor as defined in section C-2, paragraph 2.1.14. The Program Manager may be located off-site if the contractor wishes. No dedicated administrative staff positions will be specified on the contract. Dedicated office space shall be available for the Program Manager.

1.2.5 TECHNICAL STAFF. The support services required under this program will be carried out by the contractor's technical staff. The technical staff will incorporate personnel with diverse skills and experience due to the variety and changing nature of the test programs conducted by AFRL/VAS. The experience required and job descriptions for each of the skill categories is provided below. The contractor shall provide the CFM with data regarding education and experience for each individual assigned to the contract so that the CFM may verify that the personnel meet the minimum skill and experience requirements prior to the personnel being assigned. In the event of a consolidation of all Experimental Verification facilities to the Building 63 complex, a single site manager will be utilized.

1.2.5.1 Test Engineer V. The Test Engineer V shall have at least a BS degree in Aeronautical, Aerospace or Mechanical Engineering and at least 15 years experience in designing, managing and conducting aerospace thermal-structural test programs. Specific responsibilities must have included the design, specification and review of mechanical, pressure, and thermal test systems; control and data acquisition systems; pneumatic and cryogenic test systems; high cycle fatigue, acoustic and combined environment test systems. Capabilities must also comprise the design, specification and review of computerized test control and redundant control systems as applied to aerospace structures; and the design, specification and review of test related safety systems. The above skills must have been utilized reviewing government and major airframe contractor test programs and plans. The Test Engineer V shall have at least 10 years experience performing the above functions on full-scale aircraft and aircraft component test programs (e.g. wings, fuselages, missile skins, etc.). The Test Engineer V shall have served at least 10 years in the capacity of an aerospace technical testing consultant.

1.2.5.1.2 Specific duties will include review of general and specific test data goals and requirements for appropriateness and adequacy of evaluating the test article in it's operating environment. Review government and contractor test plans for application of appropriate test methodology and techniques; adequacy of data requirements; accuracy and reliability of test systems; adequacy of calibration and the adequacy and appropriateness of test related analysis and test loading matrices. Assist in the development of detailed test plans from broad data requirements or test goals. Support the development of detailed cost estimates and schedules for VAS test programs as well as review the detailed cost and schedules for government or contractor proposed test programs. Review the detailed designs of test related hardware including fixtures, load introduction fittings, control and data systems, load application transition structures and pneumatic systems. The Test Engineer V shall provide test consulting to private industry, other Department of Defense (DOD) components and other Air Force organizations in coordination with the

AFRI/VAS engineering staff. Document previous experience and expertise related to government thermal-structural testing. This individual will perform no administrative or managerial functions.

1.2.5.2 Site Manager. This position requires a B.S. in Aeronautical, Mechanical, Civil, Electrical, Electronics or Industrial engineering with at least fifteen (15) years practical engineering experience, or an M.S. in the above disciplines with at least ten (10) years practical engineering experience. Required experience may include full-scale structural component test project management, mechanical fixture and fitting design, acoustic and high cycle fatigue test design and management, automated control systems design, instrumentation/data acquisition systems design or composite fabrication methods. A minimum of five (5) years of this experience shall be in a full-scale testing environment. In addition, at least five (5) years experience shall include directing a technical research team of a least five (5) personnel consisting of both engineers and technicians. The technical teams shall have included personnel performing the following duties: design, modification, fabrication, overhaul, repair and calibration of complex electronic, thermodynamic, electromechanical, pneumatic, thermal, cryogenic or mechanical systems associated with typical structural, acoustic, vibration, thermal and thermal-structural static and durability tests.

1.2.5.2.1 The Site Manager shall have extensive background in the planning, development, and execution of full-scale structural testing programs. May have experience in vibration and acoustic testing of structures, coupons, and components; static and durability testing of complex structures; room temperature, elevated and cryogenic temperature structural testing; and testing in various combinations of the above environments. The candidate must be familiar with specialized test devices and electronic, electromechanical, thermal, pneumatic, cryogenic and mechanical systems used in full-scale testing. The Site Manager shall be computer literate to the point of being highly proficient in the use of typical PC applications under the MS Windows environment. Typical applications currently in use by VAS include MS Word, MS Excel, MS Project, and MathCad. The Site Manager must be proficient in the use of a CAD package such as AutoCAD, Mechanical Desktop, or Pro Engineering.

1.2.5.2.2 Typical duties of a Site Manager shall include, but will not be limited to the following: Shall interface with the Government C/M and QAEs to ensure that all technical, administrative and financial contractual obligations are satisfactorily fulfilled. The Site Manager shall manage and direct the available contract resources to meet the assigned Work Orders on a daily basis. The Site Manager shall consult with the engineering staff as required and be the primary contract focal point for advising and reviewing the plans and designs. He/she shall report to the Program Manager as the contractor sees fit, but shall be responsible for day-to-day operations. Supervise procurement of test equipment/supplies based on test program requirements. Supervise the technical efforts through all phases of test conduction. The Site Manager shall be both competent and capable of directing the work assignments for supporting personnel both engineers and technicians. Coordinate and interface with senior government engineers and management. This position requires the ability to work from verbal instructions or specifications in the planning and execution of complex and precise test programs. Interfaces with government engineering personnel in the development of test methods and facility modifications.

1.2.5.2.3 Additional duties may include but not be limited to the following. Design, plan, and develop integrated test systems, test subsystems, test hardware, and test operating procedures. Plan instrumentation and data collection support for all phases of testing. Supervise fabrication, modification, repair, inspection and tear down of test fixtures, test set-ups, specialized test equipment and apparatus. Monitor and perform test article Non-Destructive Evaluation/Non Destructive Inspection (NDE/NDI) before, during and after testing. Supervise all phases of test operations. Generate documentation for all phases of test design, development and operation. Oversees all specialized service and material acquisitions. Design and direct the development of test facilities to conduct structural mechanical, acoustic or vibration testing, or any combination of mechanical, thermal and acoustic testing. Initiate and conduct evaluation and development of advanced techniques and methodologies for testing aerospace structures. Recommending structural fixes or modifications where required. Provide and analyze test results in order to aid in the evaluation of test articles both during and after the completion of test programs.

1.2.5.3 Test Engineer IV. This position requires a B.S. in Aeronautical, Mechanical, Civil, Electrical, Electronics or Industrial engineering with at least fifteen (15) years practical engineering experience, or an

M.S. in the above disciplines with at least ten (10) years practical engineering experience. Required experience may include full-scale structural component test project management, mechanical fixture and fitting design, acoustic and high cycle fatigue test design and management, automated control systems design, instrumentation/data acquisition systems design or composite fabrication methods. A minimum of five (5) years of this experience shall be in a full-scale testing environment. In addition, at least five (5) years experience shall include directing a technical research team of at least five (5) personnel consisting of both engineers and technicians. The technical teams may have included personnel performing the following duties: design, modification, fabrication, overhaul, repair and calibration of complex electronic, thermodynamic, electromechanical, pneumatic, thermal, cryogenic or mechanical systems associated with typical structural, acoustic, vibration, thermal and thermal-structural static and durability tests.

1.2.5.3.1 The Test Engineer IV shall have extensive background in the planning, development, and execution of full-scale structural testing programs. May have experience in vibration and acoustic testing of structures, coupons, and components; static and durability testing of complex structures; room temperature, elevated and cryogenic temperature structural testing; and testing in various combinations of the above environments. The candidate must be familiar with specialized test devices and electronic, electromechanical, thermal, pneumatic, cryogenic and mechanical systems used in full-scale testing. The Test Engineer IV shall be computer literate to the point of being proficient in the use of typical PC applications under the MS Windows environment. Typical applications currently in use by VAS include MS Word, MS Excel, MS Project, and MathCad. The Test Engineer IV must be proficient in a CAD package such as AutoCAD, Mechanical Desktop, or Pro Engineering.

1.2.5.3.2 Typical duties of the Test Engineer IV may include, but will not be limited to the following. Design and direct the development of test facilities to conduct structural mechanical, acoustic or vibration testing, or any combination of mechanical, thermal and acoustic testing. Initiate and conduct evaluation and development of advanced techniques and methodologies for testing aerospace structures. Supervise the technical efforts through all phases of test conduction. Provide and analyze test results in order to aid in the evaluation of test articles both during and after the completion of test programs. Recommending structural fixes or modifications where required. Supervise procurement of test equipment/supplies based on analysis of test program requirements. Coordinate and interface with senior government engineers and management. This position requires the ability to work from verbal instructions or specifications in the planning and execution of complex test programs. Interfaces with government engineering personnel in the development of test methods and facility modifications.

1.2.5.3.3 Additional duties may include but not be limited to the following. Design, plan, and develop integrated test systems, test subsystems, test hardware, and test operating procedures. Plan instrumentation and data collection support for all phases of testing. Supervise fabrication, modification, repair, inspection and tear down of test fixtures, test set-ups, specialized test equipment and apparatus. Monitor and perform test article Non-Destructive Evaluation/Non-Destructive Inspection (NDE/NDI) before, during and after testing. Supervise all phases of test operations. Generate documentation for all phases of test design, development and operation. Oversees all specialized service and material acquisitions.

1.2.5.4 Test Engineer III. This position shall require at least a BS degree in Aeronautical, Mechanical, Civil, Electrical, Electronics or Industrial Engineering with at least ten (10) years engineering experience or a MS degree and seven (7) years experience. Required experience may include mechanical design, testing, control theory, acoustics, vibration or high cycle fatigue testing. The Test Engineer III must be able to interface with senior government engineers in the development of advanced techniques and methodologies for testing aerospace structures, test methods and test facility upgrades or modifications, assist engineers in the design of new testing facilities. The Test Engineer III supervises procurement of test equipment, supplies based on analysis of test program requirements; provides technical supervision through all phases of test preparation, operation, and tear down; and analyzes test results in order to aid in the evaluation of the test article both during and after the completion of the test program, recommending structural fixes or modifications where required. A Test Engineer III must have as a minimum one of the following areas of expertise:

(a) Shall be able to design, perform stress analyses on developing specialize load fixtures and fittings. A Test Engineer III must be able to perform engineering investigations, design calculations, prepare engineering documentation and support general planning for design, modification, setup and operation of complex test systems. A Test Engineer III shall be able to prepare all documentation required in a test project such as test safety requirements for any hazardous materials, standard operating procedures, test reports and prepare engineering drawings on standard PC engineering drawing packages such as Pro-Engineering and microstation intergraph or AutoCad. A Test Engineer III must be able to perform test operation, test apparatus inspections, test component inspections, and document subsequent results. A Test Engineer III must have a general knowledge of hydraulic, cryogenic, acoustic, vibration, and pneumatic systems, load, heat, and pressure closed loop control systems as well as being familiar with instrumentation and data acquisition methods.

(b) Shall be able to design and develop complex electronic, electromechanical, and mechanical systems associated with the control of mechanical loading and heat control systems. This position requires the knowledge of and experience with temperature, mechanical load, and deflection and strain sensing control systems. Must possess the knowledge of and have experience with servo-hydraulic loading test systems, pneumatic valve control systems, cryogenics valves controls systems, feedback systems, electrical power and control circuit requirements for elevated and cryogenics temperature control systems and load control closed loop systems. A Test Engineer III shall be computer literate to the following extent: (1) have experience with the MS-DOS/Windows operating system used on personal computers and (2) have had formal training in a higher level programming language on any computer platform. May be required to have experience with the VMS operating system used on Digital Equipment computer systems or computer language C++. The Test Engineer III typical duties shall include but not limited to the following: design, plan develop, fabricate, repair, and calibrate test control hardware and software; monitor test operation control performance; document control systems development; and advise the Project Engineer on all control aspects of the test program

(c) Shall be able to design, modify and develop complex electronic, electromechanical, and mechanical systems associated with the instrumentation of structures. This position requires knowledge of and experience with temperature, load, deflection and strain instrumentation systems. Must possess the knowledge of and have the experience with strain, displacement, temperature, heat-flux, fluid flow, force, torque, and pressure measurement techniques; signal conditioning circuits; sensor, transducers, and gage application techniques in standard and extreme environments; and data reduction techniques. The Test Engineer III shall have a knowledge of signal conditioning techniques and equipment. The Test Engineer III shall have a working knowledge of electrical circuitry, to apply or modify in-house built equipment to accommodate analog signals from transducers and control systems. The Test Engineer III may have experience in the operation of computer interface peripherals, analog/digital (A/D) and multiplexer units. The Test Engineer III shall operate the data acquisition system to acquire and process data for analysis. Typical duties shall include but not limited to the following: design, plan, develop, calibrate test instrumentation hardware and verify data acquisition software; develop mathematical equations required for physical feedback signal processing; document instrumentation system development; provide methods for real-time monitoring of critical test parameters; and advise the Project Engineer on all instrumentation aspects of the test program.

(d) The engineer shall have experience in; electrical power distribution systems of 4160, 6900 and 12,470 volts, standard 3phase 480 and 240 volts motor control systems from fractional horsepower to 300 HP motors, and power distribution of 240/120 single phase industrial power. A Test Engineer III shall be acquainted with all applicable electric codes, principles and operation of all electrical test equipment to checkout and identify any problems with any part of the electrical systems within Test Complexes as identified in paragraph 1.1.1. In addition, a Test Engineer III may be required to have knowledge of large capacity variable power systems including 600 volt and 1200 amp ignitron and 480 volt and 3000 amp SCR systems for application to thermal heating arrays of either quartz lamp or graphite heater units. Typical duties may include but not limited to the following: design, analysis, documentation planning and development of all phases of a test program. Performs engineering investigations, design calculations, prepares engineering documentation and supports general planning for design, modification, setup and operation of complex test systems or facility infrastructure.

1.2.5.5 Test Engineer II. This position shall require at least a BS degree in Aeronautical, Mechanical, Civil, Electrical, Electronics or Industrial Engineering and five (5) years experience or a MS degree and three (3) years post school engineering experience. Required experience may include mechanical design, testing, control theory, acoustics, vibration or high cycle fatigue testing. Test Engineer II shall be able to develop and conduct structural, thermal-structural, acoustic or high cycle fatigue test programs on aerospace structures. Typical duties of a Test Engineer II may include but not be limited to the following: support senior Test Engineers in the design, analysis, documentation planning and development of all phases of a test program. Performs engineering investigations, design calculations, prepares engineering documentation and supports general planning for design, modification, setup and operation of complex test systems. A Test Engineer II shall have as a minimum one of the following areas of expertise:

(a) Shall be able to design, perform stress analyses on developing specialize load fixtures and fittings. A Test Engineer II must be able to perform engineering investigations, design calculations, prepare engineering documentation and support general planning for design, modification, setup and operation of complex test systems. A Test Engineer II shall be able to prepare all documentation required in a test project such as test safety requirements for any hazardous materials, standard operating procedures, test reports and prepare engineering drawings on standard PC engineering drawing packages such as Pro-Engineering and microstation intergraph or AutoCad. A Test Engineer II must be able to perform test operation, test apparatus inspections, test component inspections, and document subsequent results. A Test Engineer II must have a general knowledge of hydraulic, cryogenic, acoustic, vibration, and pneumatic systems, load, heat, and pressure closed loop control systems as well as being familiar with instrumentation and data acquisition methods.

(b) Shall be able to design and develop complex electronic, electromechanical, and mechanical systems associated with the control of mechanical loading and heat control systems. This position requires the knowledge of and experience with temperature, mechanical load, and deflection and strain sensing control systems. Must possess the knowledge of and have experience with servo-hydraulic loading test systems, pneumatic valve control systems, cryogenics valves controls systems, feedback systems, electrical power and control circuit requirements for elevated and cryogenics temperature control systems and load control closed loop systems. A Test Engineer II shall be computer literate to the following extent: (1) have experience with the MS-DOS/Windows operating system used on personal computers and (2) have had formal training in a higher level programming language on any computer platform. May be required to have experience with the VMS operating system used on Digital Equipment computer systems or computer language C++ . The Test Engineer II typical duties shall include but not limited to the following: design, plan develop, fabricate, repair, and calibrate test control hardware and software; monitor test operation control performance; document control systems development; and advise the Project Engineer on all control aspects of the test program.

(c) Shall be able to design, modify and develop complex electronic, electromechanical, and mechanical systems associated with the instrumentation of structures. This position requires knowledge of and experience with temperature, load, deflection and strain instrumentation systems. Must possess the knowledge of and have the experience with strain, displacement, temperature, heat flux, fluid flow, force, torque, and pressure measurement techniques; signal conditioning circuits; sensor, transducers, and gage application techniques in standard and extreme environments; and data reduction techniques. The Test Engineer II shall have a knowledge of signal conditioning techniques and equipment. The Test Engineer II shall have a working knowledge of electrical circuitry, to apply or modify in-house built equipment to accommodate analog signals from transducers and control systems. The Test Engineer II may have experience in the operation of computer interface peripherals, analog/digital (A/D) and multiplexer units. The Test Engineer II shall operate the data acquisition system to acquire and process data for analysis. Typical duties shall include but not limited to the following: design, plan, develop, calibrate test instrumentation hardware and verify data acquisition software; develop mathematical equations required for physical feedback signal processing; document instrumentation system development; provide methods for real-time monitoring of critical test parameters; and advise the Project Engineer on all instrumentation aspects of the test program.

(d) The engineer shall have experience in; electrical power distribution systems of 4160, 6900 and 12,470 volts, standard 3phase 480 and 240 volts motor control systems from fractional horsepower to 300 HP motors, and power distribution of 240/120 single phase industrial power. A Test Engineer II shall be acquainted with all applicable electric codes, principles and operation of all electrical test equipment to checkout and identify any problems with any part of the electrical systems within Test Complexes as identified in paragraph 1.1.1. In addition, a Test Engineer II may be required to have knowledge of large capacity variable power systems including 600 volt and 1200 amp ignition and 480 volt and 3000 amp SCR systems for application to thermal heating arrays of either quartz lamp or graphite heater units. Typical duties may include but not limited to the following: design, analysis, documentation planning and development of all phases of a test program. Performs engineering investigations, design calculations, prepares engineering documentation and supports general planning for design, modification, setup and operation of complex test systems or facility infrastructure.

1.2.5.6 Test Engineer I. This position shall require at least a BS degree in Aeronautical, Mechanical, Civil, Electrical, Electronics or Industrial Engineering. Must provide a transcript showing course work in either mechanical design, testing, control theory, acoustics, vibration or high cycle fatigue.

1.2.5.6.1 The Engineer I aids in the development and conduct of complex structural, thermal structural, acoustic or high cycle fatigue test programs on aerospace structures. Performs engineering investigations, design calculations, prepares engineering documentation and supports general planning for design, modification, setup and operation of complex test systems including: steel and alloy test fixtures and fittings; hydraulic, cryogenic and pneumatic systems; heat, pressure and load control systems; instrumentation, data acquisition, vibration, acoustic, fatigue and fracture systems.

1.2.5.6.2 Typical duties of the Test Engineer I may include but not be limited to the following: support more senior Test Engineers in the design, analysis, documentation planning and development of all phases of a test program. The Test Engineer I may support the design, assembly and operation of test fixtures, test set-ups, test operating procedures, test safety systems, instrumentation systems, pneumatic systems, control systems, data systems, vibration systems, acoustic systems, fatigue and fracture systems, non-destructive inspection equipment and operator interface systems. The Test Engineer I shall be computer literate in the use of typical PC applications under the MS Windows environment. Typical applications currently in use by VAS include MS Word, MS Excel, MS Project, and MathCad. It is required that the Test Engineer I shall have some background in a CAD environment such as AutoCAD or Pro-Engineering.

1.2.5.7 Engineering Technician VI* (SCA code 29086). This category of personnel shall have a diploma representing four (4) years of formal training plus five (5) years of experience in directing test related activities involving the design, fabrication, assembly, calibration, operation, modification, maintenance, repair and overhaul of specialized devices, test equipment, test articles, facilities and instrumentation. The specific types of subsystems and equipment are identified in TE 8. Alternately, the Engineering Technician VI shall have two (2) years formal training and eight (8) years related experience or alternately twenty (20) years related experience. The formal training may be from a trade school, college, or military technical training program. Experience shall be consistent with section 1.2.5.7.4.

1.2.5.7.1 The Engineering Technician VI plans and accomplishes complete projects or studies of broad scope and complexity with limited guidance from the staff engineers. The complexity of assignments typically requires the creativity and judgment to devise approaches to accomplish the work, resolve design and operational problems, and make decisions in situations where standard engineering methods, procedures, and techniques may not be applicable. Guidance on unusual problems will be provided by the staff engineers. Completed work is reviewed for compliance with overall project objectives. The Engineering Technician VI may also be required to assist and prepare task cost estimates and work schedules. The Engineering Technician VI must possess sufficient written and oral communication skills to provide technical documentation (including schematics) and progress reports to the test engineer. The Engineering Technician VI may supervise or train and be assisted by lower level technicians and shall have frequent contact with professionals.

1.2.5.7.2 The Engineering Technician VI shall be capable as serving as work leader on all non-engineering tasks assigned to the contractor as determined by the engineering staff or the site manager. This may entail the direction of work efforts of lower grade technicians.

1.2.5.7.3 Typical duties may include but are not limited to the following: prepares designs or specifications for various complex equipment or systems; plans approaches to solve design problems; conceives and recommends new designs; resolves design problems with vendors; assures compatibility of designs with existing subsystems; designs and coordinates small test setups and experiments to determine the feasibility of preliminary designs; evaluates untried and untested measurement techniques; designs and fabricates specialized test equipment, fittings and fixtures; designs special circuitry; develops or aids in developing test procedures; prepares operating procedures for new systems and modifies existing procedures as systems are upgraded or replaced; provides solutions to problems on test setup and test operating procedures or prepares designs and specifications to improve existing systems.

1.2.5.7.4 An Engineering Technician VI shall have as a minimum one of the following areas of experience.

(a) **Composite Fabrication Area:** Shall have experience in the development, fabrication and structural demonstration of advanced composite materials, structural concepts, structural elements and prototype components. Shall have experience with composite cure technology, composite quality assurance techniques and photo microscopic inspections. Shall have experience with machine shop operations including abrasive water-jet cutting operations, Computer Numerical Control (CNC) machining, turning and grinding. The technician shall have experience with lay-up, bagging, curing and quality control of advanced composite materials, including the use of high temperature and high pressure autoclaves and composite presses.

(b) **Computer Area:** Shall have experience in the programming, operating and upgrading main frame computers, microcomputers, and PCs. Shall have experience programming various computers and systems for real-time applications for data acquisition and/or real-time process control. Shall have experience in programming computers with unique front end peripherals for data acquisition and real-time process control is required. Shall be able to program various computers for post process analysis of structural test data. May have experience with the usage of VAX, Micro-VAX and IBM compatible PC computer systems. Shall have experience in higher level programming such as FORTRAN and C++ as a minimum.

(c) **Electronic Area:** Shall have experience in designing, developing, prototyping and fabricating and repairing specialized electronic circuits for signal conditioning of transducers, or specialized interface circuits for control and data acquisition systems. Shall have experience installing instrumentation on test articles, operating standard and specialized electronic equipment and operating customized computers and systems for real-time control and data acquisition.

(d) **Electrical Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the generation, distribution and control of electric power, up to 600 volts, as utilized for elevated temperature testing of structural components. Shall have experience in the layout and installation of conduit and wire circuits. Shall have experience in fabricating quartz lamp and graphic heater modules and arrays. Shall have experiences troubleshooting and diagnosing problems in specialized electrical systems and equipment.

(e) **Mechanical-1 Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the generation, distribution and control of hydraulics, pneumatics and cryogenics as utilized for structural testing. Shall have experience in the operation of various types of shop equipment such as band saws, hydraulic presses, drill presses, crimping tools, flaring tools and specialized hand tools. Shall have experience fabricating high pressure hoses and lines. Shall have experience with the layout and installation of cryogenic, pneumatic and hydraulic circuits. Shall have experience in the repair of cryogenic, pneumatic and hydraulic equipment such as actuators, servo valves, pumps, accumulators and filter systems.

(f) **Mechanical-2 Area:** Shall have experience in the field fabrication and joining of metallic elements, utilizing welding processes. Experience shall include flame cutting and field preparation of welded joints. Shall be certified in the welding process and orientation as dictated by the specific requirement and situation. This may include shielded arc, all positions and tungsten inert gas.

(g) **Mechanical-3 Area:** Shall have experience in the fabrication and erection of structural steel and aluminum fixtures utilized in structural testing. Experience shall include cutting, drilling and grinding of structural members as well as rigging of structural members and test articles for installation. Shall have experience fabricating specialized hardware for test fixtures and to facilitate mounting test articles into test fixtures. Shall have experience in the direction and operation of forklifts and cranes utilized in the erection of test fixtures.

(h) **Mechanical-4 Area:** Shall have experience in the fabrication repair and maintenance of aircraft structures. Experience shall include installation/removal of panels and specialized fasteners. Experience with fabrication and installation of repairs shall also be required including stop drilling and removal of cracks. An airframe and power plant license may be required.

(i) **Mechanical-5 Area:** Shall have experience in Non Destructive Evaluation/Non Destructive Inspection (NDE/NDI) techniques and methods as utilized in the inspection of aircraft structures during testing. Techniques include dye penetrant, eddy current, ultrasound, mag-particle and mag-rubber. Shall be certified in accordance with American Society of Non Destructive Testing (ASNT) techniques as required by specific requirements.

(j) **Mechanical-6 Area:** Shall have experience in the operation of various types of machining equipment such as lathes, mills, band saws, and drill presses. Shall have experience fabricating and modifying specialized fittings and components from informal or formal engineering requirements to facilitate test setup and operation.

(k) **Mechanical-7 Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the control and generation of acoustic noise. Shall have experience with compressors, pumps, control systems, cooling systems, acoustic generators and air trains.

1.2.5.8 Engineering Technician V* (SCA code 29085). This category of personnel shall have a diploma representing four (4) years of formal training plus three (3) years of experience in test related activities involving the design, fabrication, assembly, calibration, operation, modification, maintenance, repair and overhaul of specialized devices, test equipment, test articles, facilities and instrumentation. The specific types of subsystems and equipment are identified in TE-8. Alternately the Engineering Technician V shall have two (2) years formal training and seven (7) years related experience or alternately eighteen (18) years related experience. The formal training may be from a trade school, college, or military technical training program. Experience shall be consistent with section 1.2.5.8.4.

1.2.5.8.1 The Engineering Technician V performs non-routine and complex assignments involving responsibility for planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project. Selects and adapts plans, techniques, designs and layouts. May coordinate portions or overall assignments and reviews, analyzes and integrates the technical work of others. The Engineering Staff or Site Manager will outline objectives, requirements and design approaches. Completed work is reviewed for technical adequacy and satisfaction of requirements. The Engineering Technician V may train and be assisted by lower level technicians and shall have frequent contact with professionals.

1.2.5.8.2 The Engineering Technician V shall be capable as serving as work leader on all non-engineering tasks assigned to the contractor as determined by the senior engineers or the site manager. This may entail the direction of work efforts of lower technicians.

1.2.5.8.3 Typical duties may include but not be limited to the following: design, develop and construct major units, devices or equipment to improve performance and assist in reporting the results; assist in planning tests to evaluate equipment performance; assist in determining support equipment test

requirements, equipment modifications and test procedures; conduct tests; analyze the data and assist in reporting the findings and recommendations; review and analyze a variety of engineering data to determine requirements to meet engineering objectives; may calculate design data and prepare layouts, detailed specifications, parts lists, material and time estimates, and procedures; may check and analyze drawings or equipment to determine adequacy; operate test apparatus and computer equipment during testing to produce, regulate, and record the effects of actual or simulated conditions such as vibration, stress, temperature, humidity, pressure, altitude, and acoustics.

1.2.5.8.4 An Engineering Technician V shall have as a minimum one of the following areas of experience.

- (a) **Composite Fabrication Area:** Shall have experience in the development, fabrication and structural demonstration of advanced composite materials, structural concepts, structural elements and prototype components. Shall have experience with composite cure technology, composite quality assurance techniques and photo microscopic inspections. Shall have experience with machine shop operations including abrasive water-jet cutting operations, Computer Numerical Control (CNC) machining, turning and grinding. The technician shall have experience with lay-up, bagging, curing and quality control of advanced composite materials, including the use of high temperature and high pressure autoclaves and composite presses.
- (b) **Computer Area:** Shall have experience in the programming, operating and upgrading main frame computers, microcomputers, and PCs. Shall have experience programming various computers and systems for real-time applications for data acquisition and/or real-time process control. Shall have experience in programming computers with unique front end peripherals for data acquisition and real-time process control is required. Shall be able to program various computers for post process analysis of structural test data. May have experience with the usage of VAX, Micro-VAX and IBM compatible PC computer systems. Shall have experience in higher level programming such as FORTRAN and C++ as a minimum.
- (c) **Electronic Area:** Shall have experience in designing, developing, prototyping and fabricating and repairing specialized electronic circuits for signal conditioning of transducers, or specialized interface circuits for control and data acquisition systems. Shall have experience installing instrumentation on test articles, operating standard and specialized electronic equipment and operating customized computers and systems for real-time control and data acquisition.
- (d) **Electrical Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the generation, distribution and control of electric power, up to 600 volts, as utilized for elevated temperature testing of structural components. Shall have experience in the layout and installation of conduit and wire circuits. Shall have experience in fabricating quartz lamp and graphic heater modules and arrays. Shall have experiences troubleshooting and diagnosing problems in specialized electrical systems and equipment.
- (e) **Mechanical-1 Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the generation, distribution and control of hydraulics, pneumatics and cryogenics as utilized for structural testing. Shall have experience in the operation of various types of shop equipment such as hand saws, hydraulic presses, drill presses, crimping tools, flaring tools and specialized hand tools. Shall have experience fabricating high pressure hoses and lines. Shall have experience with the layout and installation of cryogenic, pneumatic and hydraulic circuits. Shall have experience in the repair of cryogenic, pneumatic and hydraulic equipment such as actuators, servo valves, pumps, accumulators and filter systems.
- (f) **Mechanical-2 Area:** Shall have experience in the field fabrication and joining of metallic elements, utilizing welding processes. Experience shall include flame cutting and field preparation of welded joints. Shall be certified in the welding process and orientation as dictated by the specific requirement and situation. This may include shielded arc, all positions and tungsten inert gas.
- (g) **Mechanical-3 Area:** Shall have experience in the fabrication and erection of structural steel and aluminum fixtures utilized in structural testing. Experience shall include cutting, drilling and grinding of

structural members as well as rigging of structural members and test articles for installation. Shall have experience fabricating specialized hardware for test fixtures and to facilitate mounting test articles into test fixtures. Shall have experience in the direction and operation of forklifts and cranes utilized in the erection of test fixtures.

(h) **Mechanical-4 Area:** Shall have experience in the fabrication repair and maintenance of aircraft structures. Experience shall include installation/removal of panels and specialized fasteners. Experience with fabrication and installation of repairs shall also be required including stop drilling and removal of cracks. An airframe and power plant license may be required.

(i) **Mechanical-5 Area:** Shall have experience in Non Destructive Evaluation/Non Destructive Inspection (NDE/NDI) techniques and methods as utilized in the inspection of aircraft structures during testing. Techniques include dye penetrant, eddy current, ultrasound, mag-particle and mag-rubber. Shall be certified in accordance with American Society of Non Destructive Testing (ASNT) techniques as required by specific requirements.

(j) **Mechanical-6 Area:** Shall have experience in the operation of various types of machining equipment such as lathes, mills, band saws, and drill presses. Shall have experience fabricating and modifying specialized fittings and components from informal or formal engineering requirements to facilitate test setup and operation.

(k) **Mechanical-7 Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the control and generation of acoustic noise. Shall have experience with compressors, pumps, control systems, cooling systems, acoustic generators and air trains.

1.2.5.9 Engineering Technician IV* (SCA CODE 29084). This category of personnel shall have a diploma representing four (4) years of formal training plus two (2) years of experience in test related activities involving the design, fabrication, assembly, calibration, operation, modification, maintenance, repair and overhaul of specialized devices, test equipment, test articles, facilities and instrumentation. The specific types of subsystems and equipment are identified in TE-8. Alternately the Engineering Technician IV shall have two (2) years formal training and five (5) years related experience or alternately fifteen (15) years related experience. The formal training may be from a trade school, college, or military technical training program. Experience shall be consistent with section 1.2.5.9.3.

1.2.5.9.1 The Engineering Technician IV performs non-routine assignments of substantial variety and complexity, using operational precedents which are not fully applicable. Such assignments, which are typically parts of broader assignments, are screened to eliminate unusual design problems. The Engineering Technician IV also plans such assignments. Technical guidance is received from higher level technicians or the test engineer. Work is reviewed for technical adequacy. The Engineering Technician IV may be assisted by lower level technicians and shall have frequent contact with professionals.

1.2.5.9.2 Typical duties may include but not be limited to the following: develop or review specialized circuit designs; apply conventional engineering practices to develop, prepare, or recommend schematics or other technical documentation; conducts tests or experiments requiring selection and adaptation or modification of a wide variety of critical test equipment and test procedures; sets up and operates standard and specialized equipment; utilizes custom computer control and data acquisition systems to record data and operate complex tests; installs test articles; installs instrumentation on test articles. Works on limited segments of test programs; assists in the construction of test setups and test chamber modifications to meet test requirements. Performs scheduled and unscheduled maintenance and repairs on facility hardware and test equipment. Conducts tests or experiments requiring selection and adaptation or modification of facility equipment and test procedures; records data; analyzes data and reports results to the test engineer. Applies conventional engineering practices to develop, prepare, or recommend schematics, designs, specifications, engineering drawings and parts lists. Performs reproduction and spectral analysis on recorded data to identify data which is unsuited for further analysis. Operates demodulator systems to obtain low frequency data such as temperatures, static pressures or amplifier gain status. Applies appropriate

calibration information to the data. Prepares data for digital analysis. Prepares required data plots as specified by the test engineer.

1.2.5.9.3 An Engineering Technician IV shall have as a minimum one of the following areas of expertise:

- (a) **Composite Fabrication Area:** Shall have experience in the development, fabrication and structural demonstration of advanced composite materials, structural concepts, structural elements and prototype components. Shall have experience with composite cure technology, composite quality assurance techniques and photo microscopic inspections. Shall have experience with machine shop operations including abrasive water jet cutting operations, Computer Numerical Control (CNC) machining, turning and grinding. The technician shall have experience with lay-up, bagging, curing and quality control of advanced composite materials, including the use of high temperature and high pressure autoclaves and composite presses.
- (b) **Computer Area:** Shall have experience in the programming, operating and upgrading main frame computers, microcomputers, and PCs. Shall have experience programming various computers and systems for real-time applications for data acquisition and/or real-time process control. Shall have experience in programming computers with unique front end peripherals for data acquisition and real-time process control is required. Shall be able to program various computers for post process analysis of structural test data. May have experience with the usage of VAX, Micro-VAX and IBM compatible PC computer systems. Shall have programming experience in higher level programming such as FORTRAN and C++ as a minimum.
- (c) **Electronic Area:** Shall have experience in designing, developing, prototyping and fabricating and repairing specialized electronic circuits for signal conditioning of transducers, or specialized interface circuits for control and data acquisition systems. Shall have experience installing instrumentation on test articles, operating standard and specialized electronic equipment and operating customized computers and systems for real-time control and data acquisition.
- (d) **Electrical Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the generation, distribution and control of electric power, up to 600 volts, as utilized for elevated temperature testing of structural components. Shall have experience in the layout and installation of conduit and wire circuits. Shall have experience in fabricating quartz lamp and graphic heater modules and arrays. Shall have experiences troubleshooting and diagnosing problems in specialized electrical systems and equipment.
- (e) **Mechanical-1 Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the generation, distribution and control of hydraulics, pneumatics and cryogenics as utilized for structural testing. Shall have experience in the operation of various types of shop equipment such as hand saws, hydraulic presses, drill presses, crimping tools, flaring tools and specialized hand tools. Shall have experience fabricating high pressure hoses and lines. Shall have experience with the layout and installation of cryogenic, pneumatic and hydraulic circuits. Shall have experience in the repair of cryogenic, pneumatic and hydraulic equipment such as actuators, servo valves, pumps, accumulators and filter systems.
- (f) **Mechanical-2 Area:** Shall have experience in the field fabrication and joining of metallic elements, utilizing welding processes. Experience shall include flame cutting and field preparation of welded joints. Shall be certified in the welding process and orientation as dictated by the specific requirement and situation. This may include shielded arc, all positions and tungsten inert gas.
- (g) **Mechanical-3 Area:** Shall have experience in the fabrication and erection of structural steel and aluminum fixtures utilized in structural testing. Experience shall include cutting, drilling and grinding of structural members as well as rigging of structural members and test articles for installation. Shall have experience fabricating specialized hardware for test fixtures and to facilitate mounting test articles into test fixtures. Shall have experience in the direction and operation of forklifts and cranes utilized in the erection of test fixtures.

(h) **Mechanical-4 Area:** Shall have experience in the fabrication repair and maintenance of aircraft structures. Experience shall include installation/removal of panels and specialized fasteners. Experience with fabrication and installation of repairs shall also be required including stop drilling and removal of cracks. An airframe and power plant license may be required.

(i) **Mechanical-5 Area:** Shall have experience in Non Destructive Evaluation/Non Destructive Inspection (NDE/NDI) techniques and methods as utilized in the inspection of aircraft structures during testing. Techniques include dye penetrant, eddy current, ultrasound, mag-particle and mag-rubber. Shall be certified in accordance with American Society of Non Destructive Testing (ASNT) techniques as required by specific requirements.

(j) **Mechanical-6 Area:** Shall have experience in the operation of various types of machining equipment such as lathes, mills, band saws, and drill presses. Shall have experience fabricating and modifying specialized fittings and components from informal or formal engineering requirements to facilitate test setup and operation.

(k) **Mechanical-7 Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the control and generation of acoustic noise. Shall have experience with compressors, pumps, control systems, cooling systems, acoustic generators and air trains.

1.2.5.10 Engineering Technician III* (SCA code 29083). This category of personnel shall have a diploma representing four (4) years of formal training plus one (1) years of experience in test related activities involving the design, fabrication, assembly, calibration, operation, modification, maintenance, repair and overhaul of specialized devices, test equipment, test articles, facilities and instrumentation. The specific types of subsystems and equipment are identified in TE-8. Alternately the Engineering Technician III shall have two (2) years formal training and three (3) years related experience or alternately ten (10) years related experience. The formal training may be from a trade school, college, or military technical training program. Experience shall be consistent with section 1.2.5.10.3.

1.2.5.10.1 The Engineering Technician III performs assignments that are not completely standardized or prescribed. Standard procedures or equipment will be selected or adapted using fully applicable precedents. Initial instructions, equipment requirements, and guidance will be received from the test engineer as required. Recurring work will be performed independently. Work is reviewed for technical adequacy or conformity with instructions.

1.2.5.10.2 Typical duties shall include but not be limited to the following: determine and plan mechanical and electrical layouts of devices, instruments and equipment such as printed circuit cards, card cages, front panels, chassis, wiring, perform functional evaluations and troubleshooting of test hardware and equipment; research parts required for equipment, fabrication, modifications and repairs of facility equipment; calibrate various sensors used to monitor tests and as feedback control signals within the facility such as pressure transducers, accelerometers, microphones, voltage, current, flux meters, load cells and thermocouples; assemble or construct simple circuits, equipment, test fixtures or other mechanical systems (pneumatic, hydraulic, optical, communications, cryogenic, and electro mechanical); conduct simple tests utilizing standard and custom test equipment and established test methods; install test articles; install instrumentation on test articles; operate equipment during testing using predetermined standard operating procedures; execute well defined data processing routines to post-process test data; and assist higher level technicians during new test setup and checkout.

1.2.5.10.3 An Engineering Technician III shall have as a minimum one of the following areas of expertise:

(a) **Composite Fabrication Area:** Shall have experience in the development, fabrication and structural demonstration of advanced composite materials, structural concepts, structural elements and prototype components. Shall have experience with composite cure technology, composite quality assurance techniques and photo microscopic inspections. Shall have experience with machine shop operations

including abrasive water-jet cutting operations, Computer Numerical Control (CNC) machining, turning and grinding. The technician shall have experience with lay-up, bagging, curing and quality control of advanced composite materials, including the use of high temperature and high pressure autoclaves and composite presses.

(b) **Computer Area:** Shall have experience in the programming, operating and upgrading main frame computers, microcomputers, and PCs. Shall have experience programming various computers and systems for real-time applications for data acquisition and/or real-time process control. Shall have experience in programming computers with unique front end peripherals for data acquisition and real-time process control is required. Shall be able to program various computers for post process analysis of structural test data. May have experience with the usage of VAX, Micro-VAX and IBM compatible PC computer systems. Shall have programming experience in higher level programming such as FORTRAN and C++ as a minimum.

(c) **Electronic Area:** Shall have experience in designing, developing, prototyping and fabricating and repairing specialized electronic circuits for signal conditioning of transducers, or specialized interface circuits for control and data acquisition systems. Shall have experience installing instrumentation on test articles, operating standard and specialized electronic equipment and operating customized computers and systems for real-time control and data acquisition.

(d) **Electrical Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the generation, distribution and control of electric power, up to 600 volts, as utilized for elevated temperature testing of structural components. Shall have experience in the layout and installation of conduit and wire circuits. Experience in fabricating quartz lamp and graphic heater modules and arrays. Shall have experience troubleshooting and diagnosing problems in specialized electrical systems and equipment.

(e) **Mechanical-1 Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the generation, distribution and control of hydraulics, pneumatics and cryogenics as utilized for structural testing. Shall have experience in the operation of various types of shop equipment such as band saws, hydraulic presses, drill presses, crimping tools, flaring tools and specialized hand tools. Shall have experience fabricating high pressure hoses and lines. Shall have experience with the layout and installation of cryogenic, pneumatic and hydraulic circuits. Shall have experience in the repair of cryogenic, pneumatic and hydraulic equipment such as actuators, servo valves, pumps, accumulators and filter systems.

(f) **Mechanical-2 Area:** Shall have experience in the field fabrication and joining of metallic elements, utilizing welding processes. Shall have experience shall include flame cutting and field preparation of welded joints. Shall be certified in the welding process and orientation as dictated by the specific requirement and situation. This may include shielded arc, all positions and tungsten inert gas.

(g) **Mechanical-3 Area:** Shall have experience in the fabrication and erection of structural steel and aluminum fixtures utilized in structural testing. Experience shall include cutting, drilling and grinding of structural members as well as rigging of structural members and test articles for installation. Shall have experience fabricating specialized hardware for test fixtures and to facilitate mounting test articles into test fixtures. Shall have experience in the direction and operation of forklifts and cranes utilized in the erection of test fixtures.

(h) **Mechanical-4 Area:** Shall have experience in the fabrication repair and maintenance of aircraft structures. Experience shall include installation/removal of panels and specialized fasteners. Experience with fabrication and installation of repairs shall also be required including stop drilling and removal of cracks. An airframe and power plant license may be required.

(i) **Mechanical-5 Area:** Shall have experience in Non Destructive Evaluation/Non Destructive Inspection (NDE/NDI) techniques and methods as utilized in the inspection of aircraft structures during testing. Techniques include dye penetrant, eddy current, ultrasound, mag-particle and mag-rubber. Shall be

certified in accordance with American Society of Non Destructive Testing (ASNT) techniques as required by specific requirements.

(j) **Mechanical-6 Area:** Shall have experience in the operation of various types of machining equipment such as lathes, mills, hand saws, and drill presses. Shall have experience fabricating and modifying specialized fittings and components from informal or formal engineering requirements to facilitate test setup and operation.

(k) **Mechanical-7 Area:** Shall have experience in the operation, installation, maintenance and repair of specialized equipment and systems for the control and generation of acoustic noise. Shall have experience with compressors, pumps, control systems, cooling systems, acoustic generators and air trains.

1.2.5.11 Material Requirements Specialist. This category of personnel shall have a four (4) year degree and demonstrate experience in preparing purchase requests, controlling transactions, material coordination, updating files and materials researching or alternatively, two (2) years training in any technical or administrative discipline and two (2) years experience in working with personal computers and other associated computer equipment and software such as spreadsheets or data base packages.

1.2.5.11.1 The Material Requirements Specialist. Coordinator performs non routine assignments of substantial variety and complexity. Receives objectives and technical advice from supervisor or engineer; work is reviewed for technical adequacy. Shall assist senior personnel as required. May be assisted by lower level technicians. Performs at this level, a combination of such typical duties such as:

(a) Prepares purchase requests for parts, hardware, equipment, and services that are required to operate, maintain and upgrade the facility. Conducts the research for sources to obtain required parts, hardware, equipment, and services. Acquires quotes needed for purchase orders and opens accounts with new companies.

(b) Tracks all purchases from the time the order is placed to the time it is received. Verifies the correctness of incoming shipments by comparing items and quantities unloaded against the bills of lading, invoices, or other records; checks for damaged goods; insures the goods are appropriately identified. Requisitions material and establishes delivery sequences. May move or transport material from one area to another, using cart or hand truck. Arranges with program managers the repair and assembly of material and the transportation requirements of said material. Items ordered typically support various tests involving short procurement lead time, and are obtained from local vendors, as well as national resources. Handles any problems associated with orders such as shipment errors, misquotes, delays, etc. Maintains purchase and maintenance records on spreadsheets or data bases. Converts older records from log books to computer files. Maintains and updates computer files on facility equipment and stock items. Prepares vouchers for submittal to contract FAC.

(c) Reviews existing stock catalogs, manufacturers catalogs, drawings, or other resource materials for the purpose of test support requirements. Coordinates and expedites flow of materials, parts, and assemblies within the organization. Confers with project engineers on the status of overdue materials and projected delivery date. Deals with a variety of operating officials regarding the procurement aspects of program needs of the organization serviced. May contact representatives of commercial firms to obtain information regarding new items of supply, item characteristics, or procurement lead time.

(d) Inventories and monitors all hazardous materials in the contractor's possession or being used by contractor personnel in the performance of the contract. Labels and monitors contractor hazardous materials storage containers and locations. Serves as the contractor liaison with the government HAZMAT coordinator. Insures that the contractor HAZMAT systems remains compatible with the government system. Maintains HAZMAT data in the HAZMAT database, obtains Material Safety Data Sheets (MSDS) from manufacturers and maintains MSDS's. Keeps track of all incoming hazardous materials and monitors product expiration dates, insuring that critical items are restocked before a work stoppage condition arises. Serves as the contractor focal point for training order contractor personnel in hazardous materials handling and communication.

1.2.5.12 Computer Scientist. The Computer Scientist shall have at least B.S. in Computer Engineering or Computer Science. The Computer Scientist shall have a minimum of ten (10) years experience with the VAX/VMS operating system and the FORTRAN language designing, developing, implementing, modifying, and validating programs used in computer supported testing, data acquisition, or manufacturing. This position requires experience with active and passive process control, real-time data acquisition, the use of computer-based profiles in analog or microprocessor based controllers to apply heat, mechanical load, or other test conditions, and the design and development of software programs to monitor test instrumentation and ensure that predetermined error bands are not exceeded. The Computer Scientist shall have experience in the operation of Digital Equipment Corporation main frame computer and micro-VAX computer systems such as 8200 and 6410 main frames, MicroVAX III & IV and ALPHA computers. The Computer Scientist shall have experience in programming with both the C and C++ programming languages and the UNIX operating system.

1.2.5.12.1 The Computer Scientist shall write handlers for non-OEM peripherals and modifies existing handlers for real time applications; designs, develops and implements real time displays of control and safety parameters in engineering units and in both tabular and graphical form; designs, develops, implements, modifies, and validates closed-loop control routines to handle the execution of test conditions as developed by the test engineering staff; and writes programs to monitor the safety of test articles and support systems.

1.2.5.13 Computer Systems Analyst III* (SCA code 03103). The Computer Systems Analyst III shall have a B.S. in Computer Science or Computer Engineering. The Computer Systems Analyst III shall have a minimum of five (5) years applicable experience in the usage of high performance computers in process control, data acquisition, and data post-processing. Two years or more of this experience must include the usage of VAX, ALPHA, MicroVAX, and VME based computer systems. The Computer Systems Analyst III shall be able to work independently or under only general direction on complex problems involving all phases of systems analysis.

1.2.5.13.1 The Computer Systems Analyst III confers with test engineering staff to determine control system and data system requirements, possible solutions, and advise subject matter personnel on the implications of new or revised software; makes recommendations for computer system installations or changes and for obtaining additional computer equipment; works with test engineering staff to fully document test data and results.

1.2.6. Employee Training. All contractor personnel shall be fully qualified and trained to perform the requirements given in Section C-5. Training of contractor personnel shall not be authorized unless the using activity can certify that the complexity of the original requirements has changed or increased within the original scope of the contract, to the extent that additional training is required. Subject certification shall be by the Quality Assurance Evaluator (QAE) or equivalent and approved by the contracting officer.

1.2.6.1. It is anticipated that the contractor's employee's will require some training at the government's expense during the period of performance of this contract. Training at government expense can be conducted for those systems/equipment which are purchased by the contractor or the government during the course of performance of this contract. This may apply to new techniques, processes or methodologies developed or incorporated under the contract. Any training at government expense must have prior approval coordinated through the QAE. It is likely that such training would be obtained either from the equipment manufacturer or qualified subcontractors via subcontract. Therefore, the training considered here is not considered a government-furnished service as addressed in Section C-3. Contractors shall participate in certain mandatory training, such as security, anti-terrorism, and tornado training, given by government personnel.

1.2.6.2. All other authorized training of contractor personnel shall be at the contractor's expense. Training in the handling of hazardous materials shall be the contractor's responsibility.

1.2.7 Top Management Meeting. Meetings may periodically be held between top level base personnel and contractor management to discuss contract status. The CO will notify in writing at least five days in advance of the place and time of required meetings.

1.3 QUALITY CONTROL:

1.3.1. Quality Control Program. In compliance with the contract clause entitled "Inspection-Time-And-Material and Labor Hour" (FAR 52.246-6) the contractor shall establish and maintain a complete Quality Control Plan to ensure the requirements of this contract are provided as specified. The contracting officer will notify the contractor of acceptance or required modifications to the plan before the contract start date. The contractor shall make appropriate modifications (at no additional costs to the government) and obtain acceptance of the plan by the contracting officer before the start of the first operational performance period. The plan shall include, but not be limited to the following:

1.3.1.1 Inspection System. A description of the inspection system covering all services listed in Section C-5, Specific Tasks. It shall specify areas to be inspected on either a scheduled or unscheduled basis, frequency of inspections and titles of the individuals who shall perform the inspection and their organizational placement.

1.3.1.2 Deficiency Prevention. A description of the methods for identifying and preventing defects in the quality of service performed before the level becomes unacceptable.

1.3.1.3 Inspection Files. A description of the records to be kept to document all inspections conducted by the contractor and the necessary corrective or preventative actions taken. This documentation shall be made available to the Government during the term of the contract. The inspection and corrective action records shall be maintained at a location or locations designated in the contractor's quality control plan.

1.3.1.4 Key Control Procedures. See paragraph 1.5, Physical Security, below for specific requirements.

1.4 QUALITY ASSURANCE. According to the Inspection of Services clause, Inspection-Time And-Material and Labor-Hour, FAR 52.246-6, the government will evaluate the contractor's performance under this contract. For those tasks given in section C 5 the quality assurance evaluator (QAE) or evaluators will follow the methods of surveillance specified in this contract. All surveillance observations will be recorded by the government. When an observation indicates defective performance, the CFM/QAE will require the contract manager or representative to initial the observation indicating acknowledgement of deficiency. The initialing of the observation does not necessarily constitute contractor concurrence with the observation, only acknowledgment that the contractor has been made aware of the defective performance. Government surveillance of tasks will be done according to standard inspection procedures or other contract provisions. Any action taken by the contracting officer as a result of surveillance will be according to the terms of this contract.

1.4.1. The Contract Functional Manager (CFM) and Quality Assurance Evaluator(s) (QAE(s)) will be representative(s) of the Contracting Officer and will participate in the administration of any resultant base services contract. Subsequent to the award of this contract, the identity of the CFM(s)/QAE(s) with a brief resume of their duties and authority will be promptly furnished to the successful bidder/officer.

1.4.2. As a rule, the CFM(s)/QAE(s) or alternate(s) will inform the Contractor's site manager in person when discrepancies occur and will request corrective action. The CFM(s)/QAE(s) or alternate(s) will make a notation of the discrepancy on their tally/surveillance checklist with the date and time the discrepancy was noted and will request the contractor's site manager (or authorized representative) to initial the entry on the tally/checklist.

1.4.3. Any matter concerning a change to the scope, prices, terms or conditions of this contract shall be referred to the contracting officer and not to the CFM(s)/QAE(s).

1.4.4. The services to be performed by the contractor during the period of this contract shall at all times and places be subject to review by the contracting officer or authorized representative(s).

1.4.5. **Performance Evaluation Meetings.** The contract manager may be required to meet at least weekly with the QAE and the contracting officer during the first month of the contract. Meetings will be as often as necessary thereafter as determined by the contracting officer. If the contractor requests, a meeting will be held whenever a Contract Discrepancy Report is issued. The written minutes of all performance evaluation meetings will be prepared by the government and shall be signed by the contract manager, contracting officer, and QAE. Should the contractor not concur with the minutes, the contractor shall so state any areas of nonconcurrence in writing to the contracting officer within ten calendar days of receipt of the signed minutes. The minutes will be included in the contract file.

1.5 PHYSICAL SECURITY. The contractor shall be responsible for safeguarding all government property provided for contractor use. At the end of each work period, all government facilities, equipment and materials shall be secured.

1.5.1. **Key Control.** The contractor shall establish and implement methods of making sure all keys issued to the contractor by the government are not lost or misplaced and are not used by unauthorized persons. The contractor shall not duplicate any keys issued by the government.

1.5.1.1. The contractor shall immediately report to the CFM or contracting officer any occurrences of lost or duplicated keys.

1.5.1.2. In the event keys, other than master keys, are lost or duplicated, the contractor may be required, upon written direction of the contracting officer, to rekey or replace the affected lock or locks without cost to the government. The government may, however, at its options, replace the affected lock or locks or perform rekeying and deduct the cost of such from the monthly payment due the contractor. In the event a master key is lost or duplicated, all locks and keys for that system shall be replaced by the government and the total cost deducted from the monthly payment due the contractor.

1.5.1.3. The contractor shall prohibit the use of keys issued by the government by any persons other than the contractor's employees and the opening of locked areas by contractor employees to permit entrance of persons other than contractor employees engaged in performance of contract work requirements in those areas.

1.5.2. **Lock Combinations.** The contractor shall control access to all government provided lock combinations to preclude unauthorized entry.

1.6 HOURS OF OPERATION:

1.6.1. **Normal Hours.** The contractor shall perform the services required under this contract on a one, two or three shift per day basis, eight hours per shift, five days per week. The first shift is typically conducted from 0730-1630. The second shift is from 1615-0015, and the third shift is operated from 2400-0800. Typically, technical staff may be expected to work any shift as testing requirements demand. Overtime shall be required on an intermittent basis during the period of performance of this program with prior QAE approval. The contractor shall not perform overtime work without prior written approval of the contracting officer or his/her duly authorized representative.

1.6.1.1 **Holidays.** RESERVED (See Wage Determination and Clause G-445)

1.6.2. **Emergency Services.** On occasion, services may be required to support an activation or exercise of contingency plan outside the normal duty hours described above. The contractor's responsibilities for emergency support are described in Section C-5.

1.7 CONSERVATION OF UTILITIES. The contractor shall make sure employees practice utilities conservation. The contractor shall be responsible for operating under conditions that prevent the waste of utilities to include:

1.7.1 Lights shall be used only in areas where work is actually being performed.

1.7.2 Mechanical equipment controls for heating, ventilation, and air conditioning systems shall not be adjusted by the contractor or by contractor employees unless authorized.

1.7.3 Water faucets or valves shall be turned off after the required usage has been accomplished.

1.7.4 Government telephones, copiers, fax machines, computers, tools, equipment shall be used for official government business.

1.8 RECORDS. The contractor shall be responsible for creating, maintaining, and disposing of only those government required records that are specifically cited in this PWS or required by the provisions of a mandatory directive listed in section C-6, Applicable Publications and Forms.

1.9 ENVIRONMENTAL CONTROLS:

1.9.1 Compliance with Laws and Regulations. The contractor shall be knowledgeable of and comply with all applicable Interstate, Federal, State, Local and WPAFB laws, regulations, and requirements regarding environmental protection. In the event environmental laws/regulations change during the term of this contract, the contractor shall comply as such laws come into effect. If there is an increase or decrease in cost as a result of the change, the contractor shall inform the Contracting Officer pursuant to notice requirements of FAR 52.243-7 and negotiate a modification to the contract.

1.9.2 Notification of Environmental Spills. If the contractor spills or releases any substance contained in 40 CFR 302 into the environment, the contractor or its agent shall immediately report the incident to the Emergency Response at 911. The liability for the spill or release of such substances rest solely with the contractor and its agent.

1.9.3 Material Storage and Use. The contractor shall follow manufacturer's guidelines and professional recommendations for control of humidity, temperature, cleanliness, and materials handling. This includes hazardous materials.

1.10 GOVERNMENT OBSERVATIONS. Government personnel, other than Contracting Officers (CO), Contract Functional Manager (CFM), and QAL's, may from time-to time, with CO coordination, observe or inspect contract operations. However, these personnel may not interfere with contractor performance.

1.11 SAFETY REQUIREMENTS: In performing work under this contract, the contractor shall be knowledgeable of and comply with all applicable Interstate, Federal, State, Local and WPAFB laws, regulations, and requirements. The contractor shall:

1.11.1 Conform to the safety requirements contained in the contract for all activities related to the accomplishment of the work.

1.11.2 Take such additional immediate precautions as the contracting officer may reasonably require for safety and mishap prevention purposes.

1.11.3 Plan for at the start of the orientation period or the start of the first operational performance period (if there is no orientation period) a safety program for the protection of government facilities and property and to provide a safe work environment for contractor personnel.

1.11.4 Provide protection to government property to prevent damage during the period of time the Property is under the control or in possession of the contractor.

1.11.5 Include a clause in all subcontracts to require subcontractors to comply with the safety provisions of this contract.

1.11.6 Record and report promptly (within one hour) to the Contracting Officer or designated government representative (GR), all available facts relating to each instance of damage to government property or injury to either contractor or government personnel.

1.11.7 In the event of an accident/mishap, take reasonable and prudent action to establish control of the accident/mishap scene, prevent further damage to persons or property, and preserve evidence until released by the accident/mishap investigative authority through the Contracting Officer.

1.11.8 If the government elects to conduct an investigation of the accident/mishap, the contractor shall cooperate fully and assist government personnel in the conduct of investigation until the investigation is completed.

1.11.9 Include a clause in each applicable subcontract requiring the subcontractor's cooperation and assistance in accident/mishap reporting and investigation.

1.11.10 Comply with safety provisions listed in the technical publications within the Performance Work Statement.

1.12 ORIENTATION PERIOD: RESERVED (See Clause I-479, Continuity of Services, FAR 52.237-3)

1.13 PHASE OUT: RESERVED (See Clause I-479, Continuity of Services, FAR 52.237-3)

SECTION C-2

DEFINITIONS

2.1 GENERAL DEFINITIONS:

- 2.1.1. Defective Service.** A service output that does not meet the standard of performance specified in the contract for that service.
- 2.1.2. Lot.** The total number of service outputs in a surveillance period, as defined in the Performance Requirements column of the Performance Requirements Summary (PRS).
- 2.1.3. Performance Requirement.** The point that divides acceptable and unacceptable performance of a task according to the Performance Requirement Summary (PRS) and the Inspection of Services clause. In the case of surveillance by random sampling, the performance requirement is the maximum number of defectives in the random sample chosen that may occur before the government will effect the price computation system IAW the Performance Requirements Summary (PRS) and the Inspection of Services clause. When the method of surveillance is other than random sampling, the performance requirement is the number of defectives or maximum percent defective in the lot before the government will effect the price computation system IAW the PRS and the Inspection of Services clause.
- 2.1.4. Performance Requirements Summary (PRS).** A listing of the service outputs under the contract that are to be evaluated by the government QAE on a regular basis to assure contract performance standards are met by the contractor, the surveillance methods to be used for these outputs, and the performance requirement of the listed outputs.
- 2.1.5. Quality Assurance.** A planned and systematic pattern of all actions necessary to provide confidence to the government that adequate technical requirements are established; products and services conform to established technical requirements; and satisfactory performance is achieved. For purpose of this document, Quality Assurance refers to actions by the government.
- 2.1.6. Quality Assurance Evaluator (QAE).** A functionally qualified government person responsible for surveillance of contractor performance.
- 2.1.7. Quality Assurance Surveillance Plan (QASP).** An organized written document used for quality Assurance surveillance. The document contains specific methods to perform surveillance of the contractor.
- 2.1.8. Quality Control.** Those actions taken by a contractor to control the production of outputs to ensure that they conform to the contract requirements.
- 2.1.9. Random Sampling.** A sampling method where each service output in a lot has an equal chance of being selected for quality assurance surveillance.
- 2.1.10. Sample.** A sample consists of one or more service outputs drawn from a lot for quality assurance surveillance.
- 2.1.11. Sampling Guide.** The part of the surveillance plan which contains all the information needed to perform surveillance of the service output(s) for each task in the PRS.
- 2.1.12 Indifference Quality Level (IQL) Sampling Plan.** A sampling plan which minimizes the risk to the government of acceptance of excessive error rates while also minimizing the risk to the contractor of rejection of acceptable performance. In such a plan the government and the contractor equally share in the probability of acceptance or rejection of a service with marginal error rates.
- 2.1.13 First Operational Performance Period.** The interval of time during which the contractor is

solely responsible for accomplishment of all activities set forth in the PWS through day-to-day management of the required service. (This period excludes the orientation period and any interval between award of the contract and commencement of performance).

2.1.14 Nonproductive Labor. Specifically includes purely administrative personnel such as clerical and secretarial personnel. May, at the contractor's discretion (Section C-1, Paragraph 1.2.4), include the contractor Program Manager. Such labor is compensated as contract overhead.

2.1.15 Work Order. A Work Order is a document that is approved by the CFM in coordination with government lead technical engineers authorizing the contractor to expend effort on a task. It is the vehicle by which technical duties are assigned to the contractor.

2.2 TECHNICAL DEFINITIONS: RESERVED

SECTION C-3

GOVERNMENT-FURNISHED PROPERTY AND SERVICES

3. GENERAL INFORMATION. The government will provide the facilities, equipment, materials, and services listed here or in Technical Exhibits 5.

3.1 GOVERNMENT-FURNISHED PROPERTY:

3.1.1 Government-Furnished Facilities. The government will furnish or make available facilities described in Technical Exhibit 5. Government facilities have been inspected for compliance with the Occupational Safety and Health Act (OSHA). No hazards have been identified for which work-around have been established. Should a hazard be subsequently identified, the government corrects OSHA hazards according to base-wide government developed and approved plans of abatement taking into account safety and health priorities. A higher priority for correction will not be assigned to the facilities provided hereunder merely because of this contracting initiative. The fact that no such conditions have been identified does not warrant or guarantee that no possible hazard exists, or that work-around procedures will not be necessary or that the facilities as furnished will be adequate to meet the responsibilities of the contractor. Compliance with the OSHA and other applicable laws and regulations for the protection of employees is exclusively the obligations of the contractor. Further, the government will assume no liability or responsibility for the contractor's compliance or noncompliance with such requirements, with the exception of the aforementioned requirement to make corrections according to approved plans of abatement subject to base-wide priorities. Before any modification of the facilities performed by the contractor at his or her expense, the contractor shall furnish the contracting officer documentation describing, in detail, the modification requested. No alterations to the facilities shall be made without specific written permission from the contracting officer. In the case of alterations necessary for compliance with OSHA, such permission will not be unreasonably withheld. The contractor shall return the facilities to the government in the same condition as received, fair wear and tear and approved modifications excepted. These facilities shall only be used in performance of this contract.

3.1.2 Government-Furnished Equipment. The government will make available to the contractor the types of equipment listed in Technical Exhibit 4. All equipment is currently controlled and monitored by the government. The government will continue to monitor and control accountable equipment. The government will furnish the contractor with equipment as necessary to complete assigned work orders. It is not specifically known which equipment items will be required and when they will be required. It is not feasible for the contractor to acquire and maintain a separate inventory. Therefore, the contractor shall sign hand receipts for accountable equipment and shall be held responsible for the control and use of said equipment while it is hand-receipted to the contractor.

3.1.2.1 Equipment Inventory. An inventory of government-furnished equipment shall be done not later than 5 calendar days before start of the contract, within 10 calendar days of the start of any option periods, and not later than 10 calendar days before completion of the contract period (including any option periods). The contractor and a government representative (identified by the contracting officer) will conduct a joint inventory of all government-furnished equipment and the contractor shall sign a receipt for all equipment provided by the government. Items of equipment missing or not in working order will be recorded and the contracting officer notified in writing. The contractor and the government representative will jointly determine the working order and condition of all equipment and document their findings on the inventory. In the event of disagreement between the contractor and the government representative on the working order and condition of equipment, the disagreement shall be treated as a dispute under the contract clause entitled "Disputes."

3.1.2.2 Obtaining Replacement of Government-Furnished Equipment. The contractor shall submit requests for replacement of government-furnished equipment to the QAP for processing. Such requests shall specify the reason for the replacement request.

3.1.2.3 Property Accountability. By completion or extension of the contract, a joint inventory of property will be conducted by the contractor and a government representative. The contractor shall be liable for loss or damage to government furnished property beyond fair wear and tear in accordance with the clause of the contract, "Government Furnished Property." Compensation shall be effected either by reduced amounts owed to the contractor or by direct payment by the contractor; the method to be determined by the contracting officer. All property in need of repairs/maintenance shall be repaired/maintained by the contractor within 30 days of discovery, but before the joint inventory is made. All repairs/maintenance not performed by the contractor will be done at the government's option and at the contractor's expense. In the case of damaged property, the amount of compensation due the government by the contractor shall be the actual cost of repair, provided such amount does not exceed the economical repair value (75% of the costs to replace such item). In the case of items lost or damaged beyond economical repair, the amount of the contractor's liability shall be depreciated replacement value of the item to be determined by the contracting officer. Any failure of the contractor to agree with such determination shall be treated as a dispute pursuant to the clause of this contract entitled "Disputes".

3.1.2.3.1 High Value Items. In the case of loss or damage beyond economical repair to certain high value items (value of \$1,000 or more) listed in Technical Exhibit 5, the amount of compensation which the contractor is liable to pay the government shall be calculated in accordance with the following formula:

$$C = (RV-AS) - (LE(RV-ES)/EL)$$

where:

C = Compensation

RV = Property Record Value (as shown in Technical Exhibit 5)

AS = Actual Salvage Value (determined at the time of damage or loss)

ES = Estimated Salvage Value. (The estimated salvage value is obtained by using Defense Property Disposal Office percentage-of-cost data if available, or the best estimate from local market conditions. Estimated salvage value is necessary because it is used in determining Total Accrued Depreciation (bracketed portion of the formula).)

EL = Estimated Life. (Total estimated from new to planned salvage). (NOTE: ESTIMATED LIFE IS NOT NECESSARILY THE SAME AS DEPRECIABLE LIFE. ESTIMATE THE USEFUL LIFE OF THE PROPERTY).

LE = Life Elapsed (Estimated Life less Remaining Life)

3.1.2.3.2 Disposition of Property. When Government furnished property is determined to be beyond economical repair (as defined in paragraph 3.1.2.3 above) it will be certified by the QAB as condition condemned and reported to the Property Administrator/Plant Clearance Officer for disposition. Upon completion of the contract, all remaining government property shall be reported to the Contracting Officer in accordance with FAR 45.6.

3.1.2.4 Property Leased by the Government. The government will maintain and repair the property leased/rented by the government and provided to the contractor except that in the case of loss or damage beyond fair wear and tear, the contractor's liability shall be to reimburse the government for 100 percent of all expenses incurred. The provisions of the government lease agreements setting forth liability for loss or damage to leased equipment will be made available for the contractor's inspection upon request to the contracting officer.

3.1.3 Government-Furnished Items: The Government will furnish the materials listed in Technical Exhibit 5 for performance of services by the contractor for the duration of the contract, including option periods. The initial stock of materials will be inventoried not later than 5 working days before contract

start by the contractor and a government representative designated by the contracting officer. Any missing items shall be annotated on the inventory and the contracting officer notified. Any disagreement between the contractor and the government representative on the materials inventory shall be treated as a dispute under the contract clause entitled "Disputes." The contractor shall be responsible for keeping enough materials on hand for the performance of the contract according to its terms. If additional materials are authorized by the contract, the contractor shall request such additional materials by providing a written request to the QAF at least 60 calendar days before the required delivery date of the materials. At the conclusion of the contract period, including options, the contractor shall return all residual inventory to the government.

3.1.4 Government-Furnished Records, Files, Documents, and Work Papers. RESERVED

3.2. GOVERNMENT-FURNISHED SERVICES.

3.2.1 Utilities. The government will furnish electricity, water, sewage, heating for facility, and compressed air.

3.2.2 Postal. The government will provide on-base mail distribution and USPS, but limited to official government matters required under terms of the PWS.

3.2.3 Telephone. The government will provide telephone service consisting of Class A and C lines. Phone use is limited to matters related to the performance of this contract.

3.2.4 Custodial Services. The government will provide custodial service to the extent provided in the Base Custodial Contract(s) for the facilities provided.

3.2.5 Refuse Collection. The government will provide for refuse service to the extent provided in the Base Custodial Contract(s) for the facilities provided.

3.2.6 Real Property Maintenance. The government will provide maintenance and repair of real property facilities. The contractor shall notify the government representative designated by the contracting officer of all real property maintenance and repair requirements.

3.2.7 Base Civil Engineering. The government will provide fire prevention and protection, inspection and maintenance of government furnished fire extinguishers and systems, pest control, and grounds maintenance. Fire Department telephone extension 911 for emergencies and 257-4827 for routine calls.

3.2.8 Emergency Medical Service. The government will provide emergency medical treatment and emergency patient transportation service for contractor personnel who are injured or become critically ill during the performance of this contract. The contractor shall reimburse the government for the cost of medical treatment and patient transportation service at the current inpatient or outpatient treatment rate, as appropriate.

3.2.9 Security Police. The government will provide general on base Security Police service. Security police phone extensions are 911 for emergencies and 257-6516 for routine calls.

3.2.10 Automatic Data Processing. The government will provide equipment as specified in Technical Exhibit 5.

3.2.11 Transportation. RESERVED

3.2.12 Equipment Maintenance.

3.2.12.1 The contractor shall perform all routine maintenance, preventive equipment maintenance and preventive maintenance inspections for all equipment as per the original manufacturer's instructions. These procedures are to be received by the Air Force Quality Assurance Evaluator. This maintenance shall

be accomplished in a cost-effective manner that minimizes downtime. The contractor shall record, update and maintain a comprehensive and chronological history of all preventive maintenance actions. The Air Force Quality Assurance Evaluator shall be notified prior to any contractor maintenance on any item of equipment. Disposition of maintenance action will be provided to the contractor by the Air Force Quality Assurance Evaluator within 5 working days.

3.2.12.2 The contractor shall perform all operational maintenance and operational maintenance assessments as per the original manufacturers' instructions to ensure reliable operation of all equipment under the contractor's responsibility. This shall include all corrective and emergency maintenance. These procedures are to be received by the Air Force Quality Assurance Evaluator. This maintenance shall be accomplished in a cost-effective manner that minimizes downtime. The contractor shall record, update and maintain a comprehensive and chronological history of all operational maintenance actions. The Air Force Quality Assurance Evaluator shall be notified prior to any contractor maintenance. Disposition of maintenance action will be provided to the contractor by the Air Force Quality Assurance Evaluator within 5 working days.

3.3 VEHICLES. Vehicles shall be managed in accordance with AFM67-1, AFI 24-301 and AFI 24-302. The procedures specified are in addition to those required by the Government Property clause of this contract. A government driver's license is required for vehicles under 14,000 lbs Gross Vehicle Weight and AFM 24-309 applies. For vehicles over 14,000 lbs Gross Vehicle Weight, the driver is required to possess a valid commercial driver's license.

3.3.1 Vehicle Maintenance. For Government furnished vehicles, the government will provide all scheduled and unscheduled maintenance. The contractor shall perform operator's maintenance and deliver its assigned Government furnished vehicles to the base vehicle maintenance facility for required maintenance. The contractor will be responsible for repair costs which are caused by accident damage, vehicle abuse or other damage beyond fair wear and tear.

3.3.2 The government will furnish all fuel, engine oil, and related petroleum products for government furnished vehicles to perform work listed herein.

3.4 PROPERTY CONTROL PROCEDURES. The contractor shall prepare and present a written property control system to the Contracting Officer within 30 days after contract award or at the pre-performance conference, whichever is later. The contractor's program shall be prepared in accordance with, and shall meet the requirements of FAR 52.245-5.

3.5 FORMS AND PUBLICATIONS. The government will provide forms and publications (C-6) expressly required to perform the work in the FWS. The government will provide custodian and alternate training for forms and publication management.

SECTION C-4

CONTRACTOR-FURNISHED ITEMS AND SERVICES

4.1 GENERAL INFORMATION. The contractor shall provide each member of the technical staff with the basic hand tools necessary for the performance of the tasks assigned.

4.1.1 General Hand Tools

Each member of the staff shall have sufficient numbers and types of hand tools available to complete daily assigned tasks. The contractor shall provide any hand tool that is necessary to the performance of the job description.

4.1.2 SAFETY EQUIPMENT

The contractor shall supply all standard personnel safety equipment for all technical personnel as required. Standard personnel safety equipment shall consist but not be limited to:

- (a) Hard-hats
- (b) Steel-toed boots
- (c) Leather work gloves
- (d) Eye protection (safety goggles)
- (c) Half-face respirators
- (d) Hearing protection

Steel-toed boots and leather work gloves are required on a daily basis, and eye protection, hearing protection and respirators are required part time but on a regular basis.

SECTION C-5

SPECIFIC TASKS

5. GENERAL INFORMATION The contractor shall provide the personnel, equipment, tools, materials, services, supervision, and other items required by work orders that support Air Force Structural and Analytical Validation Programs as directed by the Structures Division, Air Vehicles Directorate, Air Force Research Laboratory (AFRL). The contractor shall provide test methodology review to private industry, other Department of Defense (DOD) components and all Air Force organizations, including System Program Offices (SPOs) in coordination with the AFRL/VAS engineering staff. The contractor shall provide all items, services and personnel as defined in this performance work statement (PWS), except as specified in Section C-3 as government-furnished property and services, at Wright Patterson AFB, Air Force Research Laboratory, Air Vehicles Directorate (AFRL/VA), Structures Division (AFRL/VAS). Specific duty locations include the Building 24C complex for the acoustic and vibrations testing, and the Building 65 complex for full-scale structures, subcomponents, and coupon level Ambient and Thermal Structural Static and Durability testing. The contractor shall perform to the standards in this contract.

5.1 WORK ISSUING/MONITORING Work will be issued to the contractor via Work Orders. A Work Order is a document that is approved by the CFM in coordination with government lead technical engineers authorizing the contractor to expend effort on a task. It is the vehicle by which technical duties are assigned to the contractor. When the Government identifies a test program or list technical requirements to be supported by the contractor, the Government establishes an estimate and then issues a test plan to the contractor. The contractor shall estimate the costs and establishes the schedule to complete the work. CFM then validates the contractor's proposed mixture of labor and materials or questions the contractor estimate as appropriate. If acceptable, the CFM assigns the work order number and issues the work order (containing a not to-exceed dollar amount) for the particular test effort. When the contractor reaches 85% of estimated amount for a given Work Order, they shall notify the CFM. If it is anticipated that the original work order estimate is to be exceeded, the work order may be amended following CFM and government engineer review. The Work Order and test plan or other technical requirements document will be given to the contractor's Program Manager or site manager who, working in conjunction with senior contractor technical personnel, shall review them and assign responsibilities and duties to the appropriate contractor personnel. No work shall be performed without a valid, approved Work Order number. Funding will be provided through a series of Delivery Orders against which the Work Orders are issued. (CDRL Data Item #A007)

5.1.1 The contractor's support of such test programs shall require a short notice and temporary increase in the size and skill level of the contractor's personnel supporting AFRL/VAS. Support of these short notice test programs shall require the contractor to expedite materials and/or equipment acquisitions. The contractor shall outline a procedure for dealing with such emergency direct expenditures. (CDRL Data Item #A007)

5.1.2 The contractor shall notify the government lead technical engineer and CFM immediately of all problems which affect the test schedule or the accuracy or reliability of the testing as specified in the government's test plan and the contractor shall document such problems. These problems may or may not be within the contractor's direct control (such as vendors delivery dates not met). The contractor shall notify the government lead technical engineer as soon as these slippage's become evident. The contractor shall also document and describe to the government lead technical engineer all equipment changes which affect the accuracy or reliability of the test program as identified in the government's test plan. (CDRL Data Item #A004, A005, A007)

5.2 GENERAL TASKS

5.2.1 START-UP PLANNING. The contractor shall plan for and implement measures to assume the responsibilities of the incumbent contractors with minimal interruption in activities. The contractor shall ensure that personnel are trained in such a manner that facility downtime during contract start-up is

minimized. In the event a test series is in progress at the time of start-up, the contractor shall ensure that his start-up procedures do not adversely affect the test series. (CDRL Data Item #A007)

5.2.2 OPERATIONAL PLANNING. The contractor shall plan for and implement effective and efficient operating and control systems. The systems include receiving, planning, and control of specific work assignments, a computer based material acquisition and control system, a computer based man-hours tracking and reporting system plus a financial control and reporting system. These systems shall be placed in operation at the beginning of the program. Because there may be several programs being supported at any given time, the contractor shall provide for the tracking of funds unique to each program. Specifically, the contractor shall track all direct labor charges and material purchases against the twelve place alphanumeric Job Order Number (JON)/Work Breakdown Structure (WBS) established by the Government for a given program. A list of all programs and respective numbers will be provided at contract award or as programs are assigned via Work Orders. The contractor shall list all vendors from whom purchases have been made throughout the fiscal year. (CDRL Data Item #A001, A002, A004, A006, A007)

5.2.3 DIRECT MATERIALS/SPECIAL SERVICES/TRAVEL. The contractor shall provide direct materials required to maintain and upgrade the designated systems and equipment (IE-8) in continuous and reliable operation. The direct materials authorized for purchase under this program shall include replacement parts, components, hardware, software and specialized services associated with these items. The services may be acquired through subcontracting. (CDRL Data Item #A007)

5.2.3.1 Prior to purchases by the contractor of any direct materials, equipment, or subcontracting, the contractor shall obtain approval from the Contracting Officer (CO). Reimbursement for the purchased items or services that fall within the scope of the contract, shall only be made after the contractor has submitted proof of payment for such items or services. Upon reimbursement all purchased items become the property of the Government. (CDRL Data Item #A003, A007)

5.2.3.2 The contractor shall be able to procure materials in support of various programs. If the cost of the material purchase exceeds \$2,500.00, then the contractor shall obtain either three (3) price quotes or a sole source justification. The contractor shall provide a computerized system for managing procurement activities including tracking of procurements and labor by Delivery Order, eight digit JON, and four digit WBS. Any software developed or modified for funding documentation shall be documented. The contractor shall chart the logic flow and operating procedures. (CDRL Data Item #A006, A007)

5.2.3.3 The contractor shall ensure timely delivery of all direct materials to the work site to meet program schedule requirements per established work order. Direct materials mailed or shipped to the contractor's local facility/office shall be delivered expeditiously. The government will reimburse the contractor for these shipping costs. (CDRL Data Item #A007)

5.2.3.4 The contractor shall purchase serviceable replacement parts, spares, supplies and system components as may be required to overhaul, modify, fabricate, repair, calibrate and/or inspect the equipment and instrumentation listed in this PWS. In the current context, calibration implies checkout and validation. All parts shall be new unless otherwise approved by the government at time of order. The contractor will be provided with sufficient on-site facilities to store all required replacement parts and spares. If the cost of the replacement part or spare exceeds \$2,500.00, the contractor shall obtain either three (3) price quotes or a sole source justification. (CDRL Data Item #A007)

5.2.3.5 Specialized services are those services that cannot be performed by the personnel or equipment regularly assigned to the program. Such services, which shall be obtained for a limited time only, consist principally of engineering and analytical services, inspection, setup and calibration services; purchase of manufacturers' literature and drawings; consulting services, shop services, repair services, maintenance services, and fabrication services. Prior to subcontracting for each service, the contractor shall obtain approval from the CO or his designee. Reimbursement for the purchased services that fall within the scope of the contract shall only be made after the contractor has submitted proof of payment for such services. If the cost of the Service acquisition exceeds \$2,500.00 the contractor shall obtain either three (3) price quotes or a sole source justification for the service acquisition. Specialized services may include the rental of

specialized tools or equipment for use by the contractor's personnel, where the rental of this equipment provides a cost advantage to the government in place of purchasing the equipment. (CDRL Data Item #A007)

5.2.3.6 The contractor shall be required to travel, both local and distant, in support of contractual work requirements. The contractor will be reimbursed by the government for travel and per diem expenses incurred by contractor personnel to the extent authorized by the schedule. Travel costs are reimbursable in accordance with FAR 31.205-46. The contractor shall obtain approval from the responsible CFM or ACO prior to performing travel for which reimbursement will be requested. Conditions and limitations applying to travel associated under this contract are: (CDRL Data Item #A007)

(a) Reimbursement for local travel, within a 20 mile radius at WPAFB, is limited to those transportation costs incurred for the transporting of materials purchased from local suppliers.

(b) Travel greater than a 20 mile radius from WPAFB is considered distant travel. Such travel necessitated by government approved TDY or temporary assignments for such purposes as training, symposia, conferences, equipment evaluation/inspection, and other purposes as approved by the CFM, is reimbursable. When TDY travel is required, per diem costs are reimbursable.

(c) The contractor shall use the most economical means of transportation consistent with accomplishment of the contract and to limit major costs. 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).

(d) Reimbursement claims shall include proof of payment and will be certified by the responsible CFM or certifying officer. For local vehicle travel, primarily contemplated for off-base material pick-up, claims shall include "trip tickets" containing the following information:

- (1) Name of the person performing the travel.
- (2) Date of travel.
- (3) "Travel to" and "Travel from" locations.
- (4) Miles traveled.
- (5) Method of travel (i.e. POV, rental car, contractor vehicle).
- (6) Amount claimed with breakout of costs (i.e. mileage rate, parking tolls).

5.2.4 DELIVERABLES

The QAE will frequently request the on-site supervisor to make comments on the contractor's experience with various test articles, development programs and test procedures. The contractor shall maintain documentation on any and all systems purchased off the shelf, fabricated or modified. The contractor's personnel shall log test events as they happen during a test series as set forth in each test plan, as a part of the daily test support operations. The contractor's on site supervisor shall be ever aware of both the general facility status and the status of the test at hand. The supervisor shall be required to regularly assess the overall efforts and estimate times required for completion of various tasks as related to the activities supported under this contract. (CDRL Data Item #A004, A007, A010)

5.2.4.1 The contractor shall exercise those administrative and financial management functions that fall within the scope of this effort and are required to effectively manage the scheduling and coordination of test programs being carried out. Such activities shall include, but not be limited to scheduling, tracking of expenditures listing all internally created documents, and program status. (CDRL Data Item #A001, A002, A003, A004, A005, A007, A010, A011)

5.3 TECHNICAL TASKS

5.3.1 GENERAL INFORMATION

The on-site support services required are those that support the continuing operational readiness of those facilities utilized for conducting various programs. The specific areas of operations to be supported by the contractor's trained staff shall consist of, but not be limited to the following:

- a) Communication and Video/Photographic Systems
- b) Instrumentation Systems
- c) Control Systems
- d) Data Acquisition and Data Storage Systems
- e) Cooling Systems
- f) Cryogenic Systems
- g) Electrical Systems
- h) Hydraulic Systems
- i) Compressed Gas Systems
- j) Thermal Systems
- k) Mechanical Systems
- l) Acoustic Systems
- m) Vibration Systems
- n) Fatigue and Fracture Systems
- o) Composite Fabrication Systems
- p) Analytical Support
- q) Test Operation
- r) Facility Upgrade/Modifications

5.3.2 Tasks related to areas listed above are described in the sections below. The contractor shall investigate and mature state of the art technology in pursuit of fulfilling system requirements. This may include researching commercially available systems and equipment or custom designed systems. Some of the tasks may be candidates for the procurement of specialized services. The need for procurement of specialized services to accomplish any of the assigned tasks shall be determined by the contractor in coordination with AFRL/VAS. Any work by the contractor in support of this contract which is to be performed off-site (away from complex test facility) shall be submitted to the QAE for approval. Such approval shall be obtained before any work efforts begin.

5.3.3 Communication and Video/Photographic Systems The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, operation, and tear down activities associated with various facility and test apparatus voice, local area network, still photography, and video communication systems. These systems are typically comprised of wireless systems, copper strand wire systems, coaxial wire systems, and fiber optic systems and associated digital, analog, optical, and video devices as well as video recording, playing, and tape storage systems.

5.3.3.1 The contractor shall develop requirements for and conceptualize communication and video/photographic systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine and select types of communication and video systems to be used. (CDRL Data Item# A005, A007)

5.3.3.2 The contractor shall establish optimum assembly, installation, operational, and periodic maintenance sequences. The contractor shall document all communication and video/photographic systems preparation, assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, assembly, installation, and operation of communication and video/photographic systems and components; configuration and reconfiguration of communication and video/photographic systems to provide prescribed test requirements; troubleshooting and repairing communication and video/photographic system components. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.3.3 The contractor shall calibrate and maintain communication and video/photographic systems, hardware, and devices. The contractor shall follow the manufacturers recommended specifications and schedules. The contractor shall develop procedures for the maintenance and calibration of custom or specialized test equipment. The contractor shall document and maintain all equipment calibration records. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems for duration of contract. (CDRL Data Item #A005, A007, A008, A009, A012)

5.3.4 Instrumentation Systems. The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, operation, and tear down activities associated with various facility and test apparatus instrumentation systems. These systems are typically comprised of thermocouples, strain gages, load cells, deflection transducers, infrared pyrometers, extensometers, accelerometers, microphones, pressure transducers, acoustic emission transducers, flux meters, flow meters, aircraft structural integrity monitors, air sampling or analysis devices, laser vibrometers, thermography, holography, and associated signal conditioning components.

5.3.4.1 The contractor shall develop requirements for and conceptualize instrumentation systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against program requirements. The contractor shall determine and select appropriate numbers, types of sensors, and signal conditioning to be utilized. (CDRL Data Item# A005, A007)

5.3.4.2 The contractor shall establish optimum assembly, installation, operational, and periodic maintenance sequences. The contractor shall document all instrumentation preparation, assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, assembly, installation, and operation of instrumentation signal conditioning systems and sensors; configuration and reconfiguration of instrumentation signal conditioning systems to provide prescribed test measurement signals; troubleshooting and repairing instrumentation transducers, signal conditioning, and unique data acquisition and control system interface hardware. (CDRL Data Item #A005, A007, A008, A009, A012)

5.3.4.3 The contractor shall calibrate and maintain instrumentation systems, hardware, and devices. The contractor shall follow the manufacturers recommended specifications and schedules as appropriate. The contractor shall develop procedures for the maintenance and calibration of custom or specialized test equipment. The contractor shall document and maintain all equipment calibration records. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.5 Control Systems The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, computer programming, operation, and tear down activities associated with various facility and test apparatus control systems. These systems are typically comprised of analog and digital devices or systems controlling electrical systems, radiant and convective heating systems, refrigeration cooling systems, cryogenic cooling systems, vibration systems, acoustic systems, compressors and compressed gas flow systems, pressurization systems, hydraulic systems, and mechanical load systems. The contractor shall perform computer programming as required and/or software development/modifications in support of specific or unique control system requirements. The control system requirements shall also include specific test control parameters as well as the operator interface, real time control system parameter displays, and integrating external parameter safety interlock systems.

5.3.5.1 The contractor shall develop requirements for and conceptualize control systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine, select, and implement the appropriate control system concept. (CDRL Data Item# A005, A007)

5.3.5.2 The contractor shall establish optimum assembly, installation, operational, and maintenance sequences. The contractor shall document all control system preparation, software programming, hardware assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, assembly, installation, operation, and periodic maintenance of control systems and components; software programming and/or modification; configuration and reconfiguration of control systems to provide prescribed test control parameters; troubleshooting and repairing control system computers, software, associated analog and digital electronic hardware, transducers, signal conditioning, and unique data acquisition and control system interface hardware. (CDRL Data Item# A005, A006, A007, A008, A009, A012)

5.3.5.3 The contractor shall calibrate and maintain control systems, hardware, and devices. The contractor shall follow the manufacturer's recommended specifications and schedules as appropriate. The contractor shall develop procedures for the maintenance and calibration of custom or specialized test equipment. The contractor shall document and maintain all equipment calibration records. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.6 Data Acquisition and Data Storage Systems The contractor shall perform design, analysis, preparation, fabrication, assembly, computer programming, modification, maintenance, operation, and tear down activities associated with various facility and test apparatus data acquisition and data storage systems. These systems are typically comprised of analog and digital devices or systems for digitizing, acquiring, multiplexing, processing, displaying, recording, and storing data signals from transducers or signal conditioning equipment. Instrumentation system inputs are typically comprised of thermocouples, strain gages, load cells, deflection transducers, infrared pyrometers, extensometers, accelerometers, microphones, pressure transducers, acoustic emission transducers, flux meters, flow meters, aircraft structural integrity monitors, and air sampling or analysis devices. The contractor shall perform computer programming and/or modifications in support of specific or unique data acquisition, data display, and data storage system requirements.

5.3.6.1 The contractor shall develop requirements for and conceptualize data acquisition and data storage systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine, select, and implement the appropriate data acquisition and data storage system concept. (CDRL Data Item# A005, A007)

5.3.6.2 The contractor shall establish optimum assembly, installation, maintenance, and operational sequences. The contractor shall document all data acquisition and data storage system preparation, software programming, hardware assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, assembly, installation, and operation of data acquisition and data storage systems and components; software programming and/or modification; configuration and reconfiguration of data acquisition and data storage systems to meet prescribed test parameters; troubleshooting and repairing data acquisition and data storage system computers, software, associated analog and digital electronic hardware, and unique data acquisition and control system interface hardware. (CDRL Data Item# A005, A006, A007, A008, A009, A012)

5.3.6.3 The contractor shall calibrate and maintain data acquisition and data storage systems, hardware, and devices. The contractor shall follow the manufacturer's recommended specifications and schedules as appropriate. The contractor shall develop procedures for the maintenance and calibration of custom or specialized test equipment. The contractor shall document and maintain all equipment calibration records. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.7 Cooling Systems The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, operation, and tear down activities associated with various facility and test apparatus cooling system requirements. The facility and test apparatus cooling requirements include air compressors, hydraulic oil and pump systems, radiant heating and reflector systems, elevated temperature enclosures and ovens, structural members, mechanical load interface hardware, acoustic progressive wave tube systems, shaker systems, electrical power control/distribution systems, hardware thermal protection systems, and unique test specimens. Cooling mediums include tap water, cooling tower water, chilled water, deionized water, ethylene glycol, petroleum based jet engine fuels, and compressed gases including air, hydrogen, nitrogen, helium, and argon.

5.3.7.1 The contractor shall develop requirements for and conceptualize cooling systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine, select, and implement the appropriate cooling system concept. (CDRL Data Item# A005, A007)

5.3.7.2 The contractor shall establish optimum assembly, installation, maintenance, and operational sequences. The contractor shall document all cooling system preparation, assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, fabrication, assembly, installation, and operation of cooling systems and components; configuration and reconfiguration of cooling systems to meet prescribed test parameters; periodic system inspections, troubleshooting and system and component maintenance and overhaul. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.7.3 The contractor shall maintain cooling system, hardware, and devices. The contractor shall follow the manufacturers recommended specifications and schedules as appropriate. The contractor shall develop procedures for the maintenance of custom or specialized equipment. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.8 Cryogenic Systems The contractor shall perform design, analysis, fabrication, assembly, modification, maintenance, preparation, operation, and tear down activities associated with various facility and test apparatus cryogenic system requirements. The facility and test apparatus cryogenic systems include nitrogen storage Dewars, pumps, vaporizers, heat exchangers, flow control elements and distribution lines and fittings.

5.3.8.1 The contractor shall develop requirements for and conceptualize cryogenic systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine, select, and implement the appropriate cryogenic system concept. (CDRL Data Item# A005, A007)

5.3.8.2 The contractor shall establish optimum assembly, installation, maintenance, and operational sequences. The contractor shall document all cryogenic system preparation, hardware assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, fabrication, assembly, installation, and operation of cryogenic systems and components; configuration and reconfiguration of cryogenic systems to meet prescribed test parameters; periodic system inspections, troubleshooting and system and component maintenance and overhaul. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.8.3 The contractor shall maintain cryogenic system, hardware, and devices. The contractor shall follow the manufacturers' recommended specifications and schedules as appropriate. The contractor shall develop procedures for the maintenance of custom or specialized equipment. The contractor shall document all

maintenance activities and keep calibration logs for all applicable systems. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.9 Electrical Systems The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, operation, and tear down activities associated with various facility and test apparatus electrical system requirements. The facility and test apparatus electrical systems include electrical substations, switch gear, electrical power distribution systems, transformers, electrical load centers, electrical power control devices including silicon controlled rectifiers, ignitions, mini-ignitrons, and thyatron units, conduit systems, circuit breakers, motor control centers, motor systems, motor generator systems, lighting systems, arc welding systems, shaker power supplies, and uninterrupted power supply systems. Power distribution systems consist of 120/240 volt single phase and three phase 208 to 600 volt industrial power. High voltage distribution systems range from 4160 to 12470 volts.

5.3.9.1 The contractor shall develop requirements for and conceptualize electrical systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine, select, and implement the appropriate electrical system concept. (CDRL Data Item# A005, A007)

5.3.9.2 The contractor shall establish optimum assembly, installation, maintenance, and operational sequences. The contractor shall document all electrical system preparation, hardware assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, fabrication, assembly, installation, and operation of electrical systems and components; configuration and reconfiguration of electrical systems to meet prescribed test parameters; periodic system inspections, troubleshooting and system and component maintenance and overhaul. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.9.3 The contractor shall maintain electrical systems, hardware, and devices. The contractor shall follow the manufacturers' recommended specifications and schedules as appropriate. The contractor shall develop procedures for the maintenance of custom or specialized equipment. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.10 Hydraulic Systems The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, operation, and tear down activities associated with various facility and test apparatus hydraulic system requirements. The facility and test apparatus hydraulic systems include hydraulic storage tanks, low pressure hydraulic oil transfer boost pumps, hydraulic oil filtration systems, heat exchanger systems, high pressure hydraulic pumps, pressure accumulators, flow control valve systems, servovalves, master hydraulic control/dump valves, and associated manifold and distribution lines and fittings.

5.3.10.1 The contractor shall develop requirements for and conceptualize hydraulic systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine, select, and implement the appropriate hydraulic system concept. (CDRL Data Item# A005, A007)

5.3.10.2 The contractor shall establish optimum assembly, installation, maintenance, and operational sequences. The contractor shall document all hydraulic system preparation, assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, fabrication, assembly, installation, and operation of hydraulic systems and components; configuration and reconfiguration of hydraulic systems to meet prescribed test parameters; periodic system inspections, troubleshooting and system and component maintenance and overhaul. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.10.3 The contractor shall maintain hydraulic systems, hardware, and devices. The contractor shall follow the manufacturers' recommended specifications and schedules. The contractor shall develop procedures for the maintenance of custom or specialized equipment. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRI Data Item# A005, A007, A008, A009, A012)

5.3.11 Compressed Gas Systems The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, operation, and tear down activities associated with various facility and test apparatus compressed gas system requirements. The facility and test apparatus compressed gas systems include electric air compressors, pneumatic high pressure gas compressors, high pressure gas circulation pumps, individual high pressure bottle systems, high pressure trailer bottle systems, flow control elements, manifolds, and distribution lines and fittings. Compressed gas systems may incorporate air, nitrogen, hydrogen, helium, and argon gases.

5.3.11.1 The contractor shall develop requirements for and conceptualize compressed gas systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine, select, and implement the appropriate cryogenic system concept. (CDRI Data Item# A005, A007)

5.3.11.2 The contractor shall establish optimum assembly, installation, maintenance, and operational sequences. The contractor shall document all compressed gas system preparation, hardware assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, fabrication, assembly, installation, and operation of compressed gas systems and components; configuration and reconfiguration of compressed gas systems to meet prescribed test parameters; periodic system inspections, troubleshooting and system and component maintenance and overhaul. (CDRI Data Item# A005, A007, A008, A009, A012)

5.3.11.3 The contractor shall maintain compressed gas systems, hardware, and devices. The contractor shall follow the manufacturers' recommended specifications and schedules. The contractor shall develop procedures for the maintenance of custom or specialized equipment. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRI Data Item# A005, A007, A008, A009, A012)

5.3.12 Thermal Systems The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, operation, and tear down activities associated with various facility and test apparatus heating system requirements. The facility and test apparatus heating systems include radiant systems composed of modular Pyrometric quartz lamp units, modular Research Incorporated quartz lamp units, Ceragold reflector quartz lamp units, miscellaneous in-house fabricated reflector quartz lamp units, modular graphite heater units as well as specialized Vortek arc lamp systems. Emertion heater systems for heating gas flow such as air and nitrogen are also incorporated.

5.3.12.1 The contractor shall develop requirements for and conceptualize heating systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine, select, and implement the appropriate heating system concept. (CDRI Data Item# A005, A007)

5.3.12.2 The contractor shall establish optimum assembly, installation, maintenance, and operational sequences. The contractor shall document all heating system preparation, hardware assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, fabrication, assembly, installation, and operation of heating systems and components;

configuration and reconfiguration of heating systems to meet prescribed test parameters; periodic system inspections, troubleshooting and system and component maintenance and overhaul. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.12.3 The contractor shall maintain heating systems, hardware, and devices. The contractor shall follow the manufacturers recommended specifications and schedules. The contractor shall develop procedures for the maintenance of custom or specialized equipment. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.13 Mechanical Systems The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, operation, and tear down activities associated with test articles, facility and test apparatus mechanical system requirements. The facility and test apparatus mechanical system includes test fixtures, fittings, and mechanical load application devices. Test fixture may be of self-reacting or non self-reacting. Mechanical load application devices may take the form of hydraulic actuators, electric screw jack actuators, pneumatic actuators, pneumatic bellows, and pneumatic bladders. Mechanical loading systems may interface with a structural test component through the use of fittings, whiffletrees, shear straps, and tension or compression pads.

5.3.13.1 The contractor shall develop requirements for and conceptualize mechanical systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall conceptualize mechanical test apparatuses to meet test article interface and loading requirements, design and size structural members, fittings, and mechanical devices to apply and withstand structural loading and analyze fixtures and structural members to evaluate stresses and deflections against accepted design criteria. (CDRL Data Item #A005, A007)

5.3.13.2 The contractor shall perform evaluations to establish optimum installation, erection, and maintenance sequences in the design process. The contractor shall document all mechanical system preparation, fabrication, erection, assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return structural members, fittings, and mechanical load application devices from and to inventory as required. The contractor shall fabricate, modify, and install custom test fittings and perform corrosion control of structural members to include scraping, brushing and painting. The contractor shall erect/assemble and disassemble mechanical test apparatuses, including rigging and movement of structural members and mechanical loading devices into position using overhead cranes and other material handling equipment and vehicles, as well as aligning and connecting structural members, fittings, and mechanical load application devices. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.13.3 The contractor shall support test article preparation to include installation and removal in test apparatuses. This task shall include, when appropriate, the unpacking, inspection, installation, removal and repackaging of the test articles. The rigging, hoisting into position and fastening of the test article to the test apparatus shall also be required. This task may include the assembly of test fittings, the fabrication and modification of custom test fittings, and the modification of supplied test fixtures to meet test article requirements. The contractor shall remove and install structural panels to include repair of fastening systems. The contractor shall fabricate and install structural members and repairs. (CDRL Data Item #A005, A007, A008, A009, A012)

5.3.13.4 The contractor shall perform structural inspections using NDI/NDE techniques including eddy current, dye-penetrant, ultra sonic, mag particle, and mag rubber. (CDRL Data Item #A005, A007, A008, A009, A012)

5.3.13.5 The contractor shall perform periodic mechanical test apparatus maintenance to include inspecting for and repairing loose or missing structural components and/or fasteners as well as inspecting hardware,

fittings, and maintaining mechanical loading devices. The contractor shall document all maintenance activities. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.14 Acoustic Systems. The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, operation, and tear down activities associated with various facility and test apparatus acoustic system requirements. The facility and test apparatus acoustic systems include acoustic chambers, air compressors, noise generation modulator valves with drive amplifiers, acoustic horn sections, progressive wave tube sections, acoustic termination sections, and acoustic muffler and exhaust sections.

5.3.14.1 The contractor shall develop requirements for and conceptualize acoustic systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine, select, and implement the appropriate acoustic system concept. (CDRL Data Item# A005, A007)

5.3.14.2 The contractor shall establish optimum assembly, installation, maintenance, and operational sequences. The contractor shall document all acoustic system preparation, hardware assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, fabrication, assembly, installation, and operation of acoustic systems and components; configuration and reconfiguration of acoustic systems to meet prescribed test parameters; periodic system inspections, troubleshooting and system and component maintenance and overhaul. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.14.3 The contractor shall maintain acoustic systems, hardware, and devices. The contractor shall follow the manufacturers' recommended specifications and schedules as appropriate. The contractor shall develop procedures for the maintenance of custom or specialized equipment. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.15 Vibration Systems The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, operation, and tear down activities associated with various facility and test apparatus vibration system requirements. The facility and test apparatus vibration systems include shaker tables, power amplifiers, and cooling systems.

5.3.15.1 The contractor shall develop requirements for and conceptualize vibration systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine, select, and implement the appropriate vibration system concept. (CDRL Data Item# A005, A007)

5.3.15.2 The contractor shall establish optimum assembly, installation, maintenance, and operational sequences. The contractor shall document all vibration system preparation, hardware assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, fabrication, assembly, installation, and operation of vibration systems and components; configuration and reconfiguration of vibration systems to meet prescribed test parameters; periodic system inspections, troubleshooting and system and component maintenance and overhaul. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.15.3 The contractor shall maintain vibration systems, hardware, and devices. The contractor shall follow the manufacturers' recommended specifications and schedules. The contractor shall develop procedures for the maintenance of custom or specialized equipment. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.16 Fatigue and Fracture Systems The contractor shall perform design, analysis, preparation, fabrication, assembly, modification, maintenance, operation, and tear down activities associated with various facility and test apparatus static/fatigue coupon test system requirements. The facility and test apparatus static/fatigue coupon test systems include mechanical load frames, environmental chambers, optical microscopes, and a scanning electron microscope.

5.3.16.1 The contractor shall develop requirements for and conceptualize static/fatigue coupon test systems to meet test program and facility requirements. The contractor shall also develop system functional relationships, functional block diagrams and system and hardware schematics. The contractor shall analyze systems and components for performance against requirements. The contractor shall determine, select, and implement the appropriate static/fatigue coupon test system concept. (CDRL Data Item# A005, A007)

5.3.16.2 The contractor shall establish optimum assembly, installation, maintenance, and operational sequences. The contractor shall document all static/fatigue coupon test system preparation, hardware assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return hardware and system components from and to inventory as required. The contractor shall perform tasks to include preparation, fabrication, assembly, installation, and operation of static/fatigue coupon test systems and components; configuration and reconfiguration of static/fatigue coupon test systems to meet prescribed test parameters; periodic system inspections, troubleshooting and system and component maintenance and overhaul. (CDRL Data Item # A005, A007, A008, A009, A012)

5.3.16.3 The contractor shall maintain static/fatigue coupon test systems, hardware, and devices. The contractor shall follow the manufacturers recommended specifications and schedules as appropriate. The contractor shall develop procedures for the maintenance of custom or specialized equipment. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRL Data Item # A005, A007, A008, A009, A012)

5.3.17 Composite Structures Fabrication Systems The contractor shall perform design, analysis, fabrication, assembly, modification, maintenance, preparation, operation, and tear down activities associated with composite materials and component fabrication systems. The composite materials and component fabrication systems include autoclaves, ovens, water-jet cutters, machine tools, material characterization test equipment and cleanroom/layup facility.

5.3.17.1 The contractor shall develop requirements for and conceptualize composite materials and component fabrication systems to meet program and facility requirements. The contractor shall analyze facility systems and fabrication methods for performance against requirements. The contractor shall determine, select, and implement the appropriate composite materials and component fabrication systems concept. (CDRL Data Item# A005, A007)

5.3.17.2 The contractor shall establish optimum assembly, installation, maintenance, and operational sequences. The contractor shall document all composite materials and component fabrication systems preparation, hardware assembly, installation, maintenance, and operational requirements and procedures. The contractor shall retrieve and return materials, hardware, and fabrication system components from and to inventory as required. The contractor shall perform tasks to include preparation, fabrication, assembly, and installation of composite material and structural components. Fabrication processes include cutting, lay-up, curing, bonding, machining, grinding, milling, turning, boring, and conventional and abrasive water-jet cutting, assembly, and repair. The contractor shall perform destructive and nondestructive investigation to evaluate conformance of the structural components with project requirements. The contractor shall perform material characterization and resin analysis to include fiber and resin volume fraction, resin digestion, fiber and resin density, void content and volatile content. (CDRL Data Item# A005, A007, A008, A009, A012)

5.3.17.3 The contractor shall maintain composite component materials and component fabrication system equipment, hardware, and devices. The contractor shall follow the manufacturers recommended specifications and schedules as appropriate. The contractor shall develop procedures for the maintenance of

custom or specialized equipment. The contractor shall document all maintenance activities and keep calibration logs for all applicable systems. (CDRL Data Item #A005, A007, A008, A009, A012)

5.3.18 Analytical Support The contractor shall perform failure analysis using scanning electron or optical Microscopy. The contractor shall perform linear and non linear mechanical, thermal, mechanical, vibration, and acoustic structural analysis as well as fracture mechanics and life prediction analysis. The contractor shall perform load spectra development and analysis. The contractor shall generate analytical models. The contractor shall analyze data, make comparisons to analytical predictions and update analytical models as required. The contractor shall establish structural configuration mechanical load distributions and application locations. The contractor shall document all analysis results. (CDRL Data Item# A005, A006, A007, A008, A009, A012)

5.3.19 Test Operations The test operator shall be required to communicate clearly, concisely and legibly with the AFRL/VAS test engineers and support personnel using the written test logs for each test program. Contractor personnel shall not operate any test equipment or systems which are obtained by the contractor or the Government during the course of performance of the contract and which are not similar to systems already in use until being properly trained. The contractor shall be responsible for maintaining safe, clean and neat working conditions for all supported test programs. (CDRL Data Item # A005, A007)

5.3.20 Facility Upgrades/Modifications

The contractor may be required to make facility upgrades and modifications as required to complete assigned work orders. All facility upgrades and modifications shall be approved by the Air Force Program Manager and the Contracting Officer. In a research environment, the development of new test support capabilities and equipment is considered a facility upgrade if the new item(s) remain a part of the facility to be used in future work. The contractor shall be tasked to make many facility upgrades and modifications. It is anticipated that the contractor shall occasionally be unable to accomplish approved work orders without making minor upgrades or modifications. For example, a dividing wall may have to be erected to prevent thermal radiation or flying debris from escaping the test area. (CDRL Data Item #A005, A007)

SECTION C-6

APPLICABLE PUBLICATIONS AND FORMS

6. Documents applicable to this Performance Work Statement (PWS) are listed below. The documents have been coded as advisory (A) or mandatory (M). The contractor is obligated to follow those documents coded as mandatory and shall be guided by those coded advisory to the extent necessary to accomplish the requirements of this PWS. The listed publications and an initial supply of listed forms shall be furnished at the start of the first operational performance period. It is the responsibility of the contractor to establish follow-on requirements with the Publication Distribution Office. Supplements or amendments to these mandatory publications may be issued during the life of the contract and it is the contractor's responsibility to ensure that all mandatory publications are posted and up to date. Compliance shall be in accordance with the following:

6.1 All tasks set forth in the PWS are the responsibility of the contractor except where wording of the PWS explicitly makes the performance a government responsibility. It is recognized that in conjunction with many tasks set forth therein reference is made to Department of Defense, Air Force, Air Force Material Command, and other directives, regulations, manuals, pamphlets, technical order, instructions, and other guidance. It is also recognized that because such referenced documents have been written with a view toward performance by government personnel that may contain language which indicates performance is to be by government personnel. Whenever such directives, regulations, manuals, pamphlets, technical orders, instructions, and other guidance are referenced, the contractor is to use such references as direction (coded mandatory) or guidance (coded advisory) as appropriate in the performance of the required duties set forth herein and in other sections of the PWS as if such references had been written toward performance by contractor personnel. Except as provided in paragraph (c) below, the referenced publications applicable to this contract shall be those bearing the dates set forth in this section of the PWS.

6.2 The contractor shall be bound to perform the PWS by accomplishing the tasks set forth therein and in the cited references required by this section if the PWS provided that:

6.2.1 Should there be a conflict between the PWS and references set forth therein, the PWS shall have precedence.

6.2.2 Should there be a conflict between or among two or more such references, those coded as mandatory by the PWS shall have precedence over those coded advisory; between or among those similarly coded, those issued by a higher authority shall control over those issued by a lower authority; and between or among those issued at the same level of authority, those with a later date of issue shall control over those with earlier dates of issue.

6.2.3 Any duty set forth in such reference which shall call for the exercise of nondelegable discretionary governmental authority shall be subject to the final approval of the Government official having such authority, notwithstanding that the contractor may be required thereby to perform duties and render advice at a level below such final approval.

6.3 Further, the contractor shall perform in accordance with all such referenced directives, regulations, manuals, pamphlets, technical orders, instructions, and other guidance as they may be from time to time revised, supplemented or amended. Any increase or decrease in cost of performance occasioned by such revisions, supplements, or amendments shall form the basis for an equitable adjustment, subject to negotiation in accordance with the provisions of this contract. The contractor shall immediately implement those revisions, supplements or amendments which will result in no change in contract price. However, prior to implementing any such revision, supplement, or amendment that will result in a change in contract price, the contractor shall submit to the Contracting Officer (CO) a not-to-exceed (NTE) price proposal or a not less than (NLT) credit proposal therefor and obtain the prior approval of the CO. Said proposals shall

be submitted within 30 calendar days from the date the contractor receives notice of the revision, supplement, or amendment giving rise to the change in the cost of performance.

6.4 It is hereby agreed that failure of the contractor to submit an NTE price proposal within 30 calendar days from the date of receipt of any revision, supplement, or amendment to any referenced directive, regulation, manual, pamphlet, technical order, instruction, or other guidance shall entitle the Government to performance in accordance with such revision, supplement, or amendment at no increase in contract price.

<u>Publication Number</u>	<u>Publication Title</u>	<u>Publication Date</u>
40 CFR 302	Protection of Environment	1 Jul 97
DoD 5500.7-R	Joint Ethics Regulations (JER)	Aug 1993
AFI 24-301	Vehicle Operations	1 Oct 98
AFI 24-302	Vehicle Maintenance Management	19 May 94
AFMAN 24-309	Vehicle Operations	1 Nov 95
AFI 31-209	The Air Force Resource Protection Program	10 Nov 94
AFI 31-501	Personnel Security Management Program	2 May 94
DoD 5220.22-M	National Industrial Security Program Operating Manual	Jan 1995
AFFAM 32-7043	Hazardous Waste Management Guide	1 Nov 95
AFI 64-106	Air Force Industrial Labor Relations Activities	25 Mar 94
WPAFBI 32-7002	Hazardous Materials Management	17 Jul 97
AFI 91-301	Air Force Occupational Safety And Environmental Program	Jun 1996

**TECHNICAL EXHIBIT 1
WORKLOAD ESTIMATES**

See Attachment 1, Fixed Rate Chart

TECHNICAL EXHIBIT 2
MAPS AND WORK AREA LAYOUTS



TECHNICAL EXHIBIT 3 REQUIRED REPORTS

<u>Data Item Number</u>	<u>Report Title</u>
A001	CONTRACT FUNDS STATUS REPORT (CFSR)
A002	FUNDS AND MAN-HOUR EXPENDITURE REPORT
A003	SCIENTIFIC AND TECHNICAL REPORTS
A004	STATUS REPORT
A005	SCIENTIFIC AND TECHNICAL REPORTS
A006	SOFTWARE USER MANUAL (SUM)
A007	TECHNICAL REPORTS STUDY/SERVICES
A008	SCIENTIFIC AND TECHNICAL REPORTS
A009	TEST/INSPECTION REPORTS
A010	COMMERCIAL OFF-THE-SHELF MANUALS(COTS)
A011	DATA ACCESSION LIST (DAL)
A012	OPERATION AND MAINTENANCE INSTRUCTIONS FOR RESEARCH AND DEVELOPMENT EQUIPMENT

TECHNICAL EXHIBIT 4 GOVERNMENT-FURNISHED ITEMS

A. Government-Provided Facilities. The government will provide access to all test facilities located in the Buildings 24C complex for the Acoustic and Vibrations testing the building 65 complex, for the full Scale Ambient and Thermal Structural Static and Durability tests, and the Hydrogen Test Facility adjacent to and east of building 65 in Area B at Wright-Patterson AFB. The contractor will be provided office and laboratory space as shown in the chart below. The contractor shall be allowed access to telefax and photocopy machines located within these buildings for transmissions and copies made as part of the performance of this contract.

BUILDING	OFFICE SPACE	LABORATORY	PUMP HOUSE	COOLING TOWER	MACHINE SHOP	STORAGE
24-B/C	427 sq ft	3,027 sq ft	0	0	0	0
461	465 sq ft	17,704 sq ft	0	0	0	0
462	0	2,155 sq ft	0	0	0	0
60	0	0	1,845 sq ft	0	0	0
65	2,508 sq ft	81,522 sq ft	350 sq ft	0	10,200 sq ft	0
68	0	6,500 sq ft	0	0	0	0
440	0	0	0	0	0	5,969 sq ft
447	0	0	0	1,473 sq ft	0	0
449	0	0	0	2,339 sq ft	0	0
Hydrogen Test Facility	0	2,250 sq ft	0	0	0	0

B. Government- Provided Equipment. The government will make available all specialized and capital type equipment, vehicles and machinery which the contractor's technical staff will require in the performance of the assigned work. Current equipment inventory is controlled and monitored by government personnel. The government shall continue to control and monitor accountable equipment. It is not financially feasible for the contractor to acquire a separate inventory of equipment. Current equipment lists are extensive and will not be listed here. The government shall issue hand receipts to contractor personnel for any equipment assigned to contractor personnel or to areas designated as contractor-controlled work areas.

C. Shared Resources. All government provided resources may be shared among the government, other contractor personnel and the provider of this service. The government will be responsible for establishing priority of usage. This shall include but not be limited to test equipment, vehicles, office automation equipment and supplies.

TECHNICAL EXHIBIT 5

System Descriptions

1. Communication and Video/Photographic Systems

1.1 Test Site Communication Subsystem. This subsystem is comprised of the master station, speaker stations, transceiver units, portable radios, headsets, battery charging stations and distribution cables.

1.2 Test Site Video Monitoring Subsystem. This subsystem is comprised of video cameras, monitors, VCR units, pan/tilt units, pan/tilt remote control unit, video interface, video sequencers, video splitters and character generators.

2. Instrumentation Systems

2.1 Instrumentation Subsystem. This subsystem is comprised of room temperature strain gauges, medium temperature strain gauges, and high temperature strain gauges, transducer attachment methods, deflection transducers, temperature transducers, pressure transducers, load cells, flow meters, flux meters, laser vibrometers, thermography, holography, signal conditioners and thermocouple reference junctions.

2.2 Electronics Maintenance/Calibration Subsystem. This area consists of digital strain indicators, analog strain indicators, strain gauge simulators, strain gauge installation testers, switch balance units, capacitance checkers, temperature controllers, power supplies, multi-meter, 120 C-A strain indicators, thermocouple probe tester, photo elastic plastic system, dead weight pressure testers, load cell tester, load cell standards, deflection pot calibration units, Linear Voltage Displacement Transducer (LVDT) calibration unit, black body flux calibrator/furnace, infrared thermometers, resistor decade boxes and digital weight scales.

3. Control Systems

3.1 Bafco Servo-Hydraulic Load Control/Safety & Redundant Safety Subsystem. This subsystem is comprised of the Bafco analog controls/primary safety units, multipliers/clamp units, redundant safety units, spectrum/profile generation computer, spectrum/profile verification computer, programmable logic controller system integration units, dump interface, strip chart recorders and load cells.

3.2 Cyber Servo-hydraulic Load Control/Safety & Redundant Safety Subsystem. This subsystem is comprised of the primary host computer, redundant host computer, primary Test Monitor Transition Module (TMTM) unit, redundant TMTM unit, control consoles, primary servo modules, redundant servo modules, interfacing cables, strip chart recorders and load cells.

3.3 Electro-Mechanical Motion Control Subsystem. This subsystem is comprised of the primary and redundant displacement transducers, controller/primary safety unit, redundant safety unit, variable speed motor control unit, primary and redundant program generation computer with digital to analog modules and distribution cables.

3.4 Electro-Hydraulic Motion Control Subsystem. This subsystem is comprised of the primary and redundant displacement transducers, controller/primary safety unit, redundant safety unit, primary and redundant program generation computer with digital to analog modules, and distribution cables.

3.5 Heat Control/ Safety and Redundant Subsystem. This subsystem is comprised of control/safety/spectrum generation computer (consisting of the analog to digital converters, digital to analog converters, and display monitors), the redundant safety/spectrum check computer consisting of the analog to digital converters, digital to analog converters, and display monitors), distribution and patching networks, signal conditioning modules, control transfer interface, network interface, hot boxes, isothermal references and power multipliers.

3.6 Reduced Temperature Control System/Safety and Redundant Safety Subsystem. This subsystem is comprised of control/safety/spectrum generation computer, analog to digital converters, digital to analog converters, and display monitors, redundant safety/spectrum generation computer, analog to digital converters, digital to analog converters, and display monitors, distribution and patching networks, signal conditioning modules, control transfer interface, network interface, hot boxes, isothermal references and power multipliers.

3.7 Acoustical and Vibration Control Subsystem. This subsystem is comprised of the Spectral Dynamics 2552B Vibration Control system, Spectral Dynamics PUM-10 Acoustical Control System, Scientific Atlanta SD1600 Acoustic control system, Scientific Atlanta SD1203 digital vibration control system, Scientific Atlanta SD1201 Digital vibration control system, and Unholtz-Dickie UD 400AT/S vibration control system. The manual acoustic control system consists of a power amp, third octave graphic spectrum equalizer, clipper, signal generator, low pass filter, and amp meters.

4. Data Acquisition and Data Storage Systems

4.1 Data Acquisition Subsystem. This subsystem is comprised of the multiplexers (NEPI 470, 472, and 620), VAX data acquisition computers, engineering units conversion computer, isolated network segment, IEEE 488 data bus, terminal server, graphic data monitors and tabular data monitors. Four National Instruments data acquisition racks with SCXI cards and LabView for windows. The analog DAQ consists of patch panels, 24 gain ranging amplifiers, 24 commutator cards, 12 filters, time code generator/reader, power supplies, matrix switches, and record/reproduce tape decks.

5. Cooling Systems

5.1 Ignitron/RF Cooling Water Subsystem. This subsystem is comprised of two 5 hp pumps, two heat exchangers, hand valves, check valves and filters.

5.2 Pit Cooling Water Subsystem. This subsystem is comprised of the 7.5 hp water pump, the 10 hp water pump, the CPVC ball hand valves, the check valves, the solenoid valve, the filters, the 2,000 gallon storage tank, water level sight tube, the stainless steel liquid nitrogen line, the liquid nitrogen to water heat exchanger, thermal insulation and the water to water heat exchanger.

5.3 Facility Cooling Water Subsystem. This subsystem is comprised of the main floor north wall supply and drain, second floor northwest supply and drain, third floor northwest supply and drain, main floor northwest supply and drain, main floor east supply and drain, pit sumps, east alcove supply and drain, servo test stand, thermal lab supply and drain, hydraulic pump house supply and drain, fatigue and fracture hydraulic pump house supply and drain, extreme environment subsystem supply and drain, second floor ignitron room supply and drain, electric shop supply and drain, third floor elevated temperature supply and drain, fourth floor elevated temperature supply and drain.

5.4 Test Article/Test Fixture Cooling Water Subsystem. This subsystem is comprised of the cooling water source, solenoid valves, hand valves, flow meters, flow switches, pressure switches, distribution lines and fittings and thermocouples.

5.5 Test Article/Test Fixture Cooling Gas Subsystem. This subsystem is comprised of the nitrogen gas source, solenoid valves, hand valves, flow meters, flow switches, pressure switches, distribution lines and fittings and thermocouples.

5.6 Acoustical and Vibration Water Cooling Subsystem. This subsystem provides cooling to all the air compressors, shaker systems, the quartz lamp heater/reflexors, and the water-cooled wall sections of the combine environment PWTs. This subsystem is comprised of a ceramic cooling tower (3,000 GPM), two 400 GPM, 20 Hp water pumps, three 100 GPM, 7.5 Hp water pumps, three 1000 GPM, 50 Hp water pumps, electric valves, piping and de ionization water system.

6. Cryogenic Systems

6.1 North Horizontal Cryogenic Supply Subsystem. This subsystem is comprised of the 10,000 gallon liquid nitrogen dewar, distribution lines and fittings, insulation, heat exchanger evaporator core, heat exchanger cryogenic pump and pump motor, pressure controller, temperature controller, pressure control transducer, interlock thermocouple, status indicator panel, SCR unit, relief valves, modulator blocking valve, solenoid valve, hand operated blocking valves, rupture discs, check valves, vacuum jacket valve and vacuum jacket with transducer.

6.2 South Horizontal Cryogenic Supply Subsystem. This subsystem is comprised of the 11,000 gallon liquid nitrogen dewar, distribution lines and fittings, insulation, hand operated blocking, directional, and vent valves, rupture discs, regulator, heat exchanger and vacuum jacket valve with transducer.

6.3 South Vertical Cryogenic Supply Subsystem. This subsystem is comprised of the 11,000 gallon liquid nitrogen dewar, distribution lines and fittings, insulation, relief valves, hand operated blocking, directional and vent valves, rupture discs, regulators, heat exchangers, vacuum jacket valve and vacuum jacket valve with transducer.

7. Electrical Systems

7.1 Pilot Plant East Subsystem. This subsystem is comprised of the unit substation east (6,900 volt), the distribution center number 1, the motor control center number 1 and the motor control center number 11A.

7.2 Northwest Transformer Room Subsystem. This subsystem is comprised of the 12,470 volt main breaker, 12,470 volt to 480 volt transformer, 480 volt to 240 volt transformer, transformer, 240 volt/400 amp distribution panel and 480 volt/800 amp distribution panel.

7.3 Pilot Plant West Subsystem. This subsystem is comprised of the unit substation west (12,470-volt), the panel PDP-3, 480-volt/400 amp and the 1,200-amp distribution panel.

7.4 Pilot Plant South Subsystem. This subsystem is comprised of the 6,900 volt switchgear, unit substation number 11 (6,900 volt) and unit substation number 12 (6,900 volt).

7.5 Test Site Electrical Subsystem. This subsystem is comprised of the light fixtures, safety and warning light beacons, instrumentation and uninterrupted power supply power outlets, house power outlets, power distribution panels, emergency hydraulic pump dump and emergency power dump.

7.6 Sub Station E Subsystem. This subsystem is comprised of the tap changer, transformer, breakers and relay control room.

7.7 Ignitron Power Control Subsystem. This subsystem is comprised of the unit substations (9 each), ignitron power control units (81 each), tap boxes (181 each) and ignitron control room.

7.8 Thyatron Power Control Subsystem. This subsystem is comprised of the ten channel thyatron units consisting of the input taps, thyatron tubes, channel amp meters, channel volt meters, 40 amp output breakers and control interlock relays.

7.9 SCR Power Control Subsystem. This subsystem is comprised of the three portable SCR units consisting of the input taps, SCR control modules, channel amp meters, channel volt meters, 40 & 100 amp output breakers and control interlock relays.

7.10 Mini Ignitron Power Control Subsystem. This subsystem is comprised of the ten channel mini ignitron units consisting of the input taps, ignitron tubes, channel amp meters, channel volt meters, 100 amp output breakers, control interlock relays and cooling water input.

8. Hydraulic Systems

8.1 Hydraulic Supply Subsystem. This subsystem is comprised of the 2000 gallon reservoirs (2 each), 3000 psi main pumps (20 each), 250 hp pump motors (10 each), boost pumps (2 each), 100 hp boost pump motors (2 each), blocking valves (2 each), heat exchanger unit, main filter unit, supply lines, return lines, bypass lines, pressure compensators (30 each), accumulators (20 each), pump filter (20 each), motor control centers (3 each), 45 KVA transformer, boost pump control panel, high pressure pump control panel, catch basin and pump house building.

8.2 Hydraulic Maintenance/Calibration Subsystem. This subsystem consists of servo calibration setup, servo test stand, flow meters, dead weight pressure transducer calibrator, mercury manometers, portable servo control unit, portable dump module evaluation unit, modulator valve current sources, multi-meters and pressure recorders.

9. Compressed Gas Systems

9.1 Purge Gas Subsystem. This subsystem is comprised of the oxygen monitoring unit, nitrogen source, distribution lines and fittings, hand valves, primary mechanical pressure relief valves, redundant mechanical pressure relief valves, modulator valves, hand valve lockout devices, primary blocking solenoid valves, redundant blocking solenoid valves, primary venting solenoid valves and redundant venting solenoid valves.

9.2 Compressed Gas Subsystem. This subsystem is comprised of the nitrogen gas trailers, helium gas trailers, nitrogen gas bottles, argon gas bottles, helium gas bottles, oxygen gas bottles and acetylene bottles.

9.3 Air Pressure Supply Subsystem. This subsystem is comprised of the Ingersoll Rand 200 hp air compressor (2 each), Fuller air compressor, dryer unit, filter unit, volume tanks, system check valves, system blocking valves, distribution lines and fittings and the compressor house. Ingersoll Rand Centac air compressor (30,000 cfm, 4,500 hp motor, 45 psig), Ingersoll Rand SSR air compressor (100 psig shop air), and the Allis Chalmers air compressor (9,600 cfm, 1,500 hp motor, 31 psig).

9.4 Vacuum Supply Subsystem. This subsystem is comprised of the vacuum pump motor, vacuum pump, oil separator, filter unit, cooling water pump, heat exchanger unit and support frame.

9.5 Vacuum Chamber Lab. This lab is comprised of the vacuum chamber, vacuum pump and motor, oil separator, facility cooling water subsystem interface, chamber feed through for cooling water, power control line, instrumentation, and liquid nitrogen, optional vent stack and spare gas port.

9.6 Test Article/Test Fixture Pressurization Subsystem. This subsystem is comprised of the pressurization source, stainless steel lines and fittings, hand valves, valve lockout device, high and low

pressure regulators, pressure gauges, modulator valve, blocking solenoid valves, pressurization check valve, solenoid valves, storage tank, pressure relief valves, control pressure transducers, and data pressure transducer.

9.7 Test Article/Test Fixture Vacuum Subsystem. This subsystem is comprised of the vacuum source, hand valves, hand valve lockout device, modulator valve, vacuum check valve, vacuum relief valves, solenoid valves, vacuum gauges, data vacuum transducers and control vacuum transducers. acetylene gas bottles.

10. Thermal Systems

10.1 Elevated Temperature Application Subsystem. This subsystem is comprised of distribution cables, load centers, graphite heater arrays, pyrometric quartz lamp heater arrays, ceragold reflector quartz lamp heater arrays, water cooled reflector quartz lamp heater arrays, polished aluminum reflector quartz lamp heater arrays, and test article and test fixture thermal insulation. Thermal insulation consists of Q-felt, fiberfrax board, fiberfrax paper, ceramic foam and nextel braid.

10.2 Reduced Temperature Application Subsystem. This subsystem is comprised of the nitrogen source, the modulator valves, the primary blocking solenoid valve, the redundant blocking solenoid valves, the primary venting solenoid valves, the redundant venting solenoid valves, the primary mechanical pressure relief valves, the redundant mechanical pressure relief valves, the distribution lines and fittings, the fiberglass thermal insulation, the hand valves, the hand valve lockout devices, the distribution manifold, the distribution sub manifold, the spray nozzles, the primary control temperature transducer and the redundant control temperature transducers.

10.3 Vortek Arc Lamp Lab. This lab is comprised of the power distribution subsystem, the 600 kilo-watt twin arc Vortek system (heat exchanger subsystem, local control subsystem, the parabolic reflector head, water boost pump and 750 KVA transformer), the unit 1 & 2 cabinets (chokes, argon gas system, water system, power control, anode, cathode and arc tube), the 300 kilo watt single arc vortek system (water boost pump, 500 KVA transformer, 1,200 amp choke, argon gas subsystem, heat exchanger subsystem, local control subsystem, water subsystem, power control subsystem, anodes, cathode, arc tube, and reflector) and the ventilation subsystem.

10.4 Thermal Lab. This lab is comprised of the 1,000 amp/480 volt power distribution panel, facility power subsystem, interlocks, 3,000 amp SCR, tap boxes, 10 channel thyratrons (40 amp/channel), 10 channel mini ignitrons (100 amp/channel), cooling water system, 300 amp SCR, argon gas bottles, black body calibration unit and ovens.

10.5 Hydrogen Test Lab. This facility is comprised of the test site subsystem (test chamber, instrumentation trailer, facility power distribution trailer, Vortek trailer, blast walls, gas trailer), facility power distribution subsystem (motor control center, 75 KVA transformers, 200 amp disconnect, 200 amp distribution panels and distribution cables), instrumentation/UPS power subsystem (breakers, 45KVA transformer, UPS unit, 100 amp distribution panel and distribution cables), auxiliary elevated temperature application subsystem (load centers, chamber tap box and distribution cables), main hydrogen gas flow circulation elevated temperature heat exchanger subsystem (load centers, chamber tap box, distribution cables, air operated valves and flow indicator), main hydrogen gas flow circulation cryogenic heat exchanger subsystem (liquid nitrogen baths, hand valves, electronic controlled valves, distribution lines and fittings and local on/off liquid nitrogen level controllers) and the nitrogen gas supply subsystem. The nitrogen gas supply subsystem is comprised of the nitrogen gas trailer, hand valves, check valves, pressure controlled valves, pressure limit switches, pressure transducers, distribution lines and fittings, main hydrogen gas boost pressure subsystem (Haskell boost pump, air operated valves, and distribution lines and fittings), hydrogen gas flow circulation subsystem (air operated valves, accumulators, hand valves, nitrogen gas bottles, circulating pump, cooling pump, heat exchanger, temperature transducers, check valves, safety valves, pressure controlled valves, surge tanks, temperature transducers, mass flow transducers and distribution lines and fittings), helium purge/low pressure hydrogen pre and post conditioning gas flow

subsystem (helium gas trailer, hand valves, air operated valves, helium gas bottles, check valves, safety valves, pressure controlled valves, vent stack, flow switch, fire control valves, pressure indicators, pressure transducers and distribution lines and fittings), the hydrogen gas fill subsystem (fire control valves, hand valves, hydrogen gas trailer, micron filter, pressure transducers, check valves and distribution lines and fittings), fire suppression subsystem (air operated valves, helium gas bottles, flow regulating valve and distribution lines and fittings), nitrogen gas quartz lamp cooling and test chamber purge subsystem (hand valves, safety valves, check valves, vaporizer, air operated valves, pressure controlled valves, flow indicator, flow switch, pressure limit switch and distribution lines and fittings), the hydrogen gas vent and analyze subsystem (vent stack, air operated valves, check valve, hand valves, heat exchangers, pressure controlled valves, hydrogen and oxygen sensor discharge, hydrogen sensors, oxygen sensors, flow switch, sensor calibration gas bottles and distribution lines and fittings), the test article subsystem (test article, thermocouples, test article attachment fittings, flux meters, test article mounting fixture and test article shield), the cooling water subsystem (80 ton chiller, 11,000 gallon storage tank, chiller to storage tank pump, heat exchanger pump, heat exchanger valves, heat exchanger flow switches, pressure transducers, temperature transducer, test article shield low pressure pump and hand valve, test article shield high pressure pump and hand valve, Vortek reflector pump, Vortek reflector hand valve, Vortek reflector flow regulating valves, Vortek reflector flow switches, Vortek primary water supply pumps, hand valves and control valve, Vortek auxiliary water supply pumps, hand valves and control valve and distribution lines and fittings), the hydrogen facility instrumentation, data acquisition, and redundant process control subsystem (data acquisition/redundant micro VAX, NEFF 620 multiplexer, signal conditioning modules, CRT interface monitors, isothermal references, transducer cables), hydrogen facility sequence control subsystem (Modicon process logic controller, input/output interface module, transducer cables, interface panels, communication modules, Unisystems 386 software development computers, local communication panel, electronic control valve block and chamber A/C power interrupt relay), the hydrogen facility process control subsystem (control micro VAX, CRT interface monitors, Preston amplifiers, signal conditioning units, isothermal references and transducer cables) and the 600 KW twin arc Vortek arc lamp subsystem (1,200 amp breaker, 750 KVA transformer, chokes, head umbilical line, remote control subsystem, parabolic reflector head, argon gas subsystem, primary and auxiliary water subsystem, power control subsystem, anodes, cathodes and arc tubes).

10.6 Environmental Vibration Chamber. This subsystem is comprised of instrumentation systems (strain gauges, displacement transducers, thermocouples, RTD, strain gauge attachment methods and temperature gauge attachment methods), signal conditioning and transducer cabling and connectors.

11. Mechanical Systems

11.1 Test Specimen Subsystem. This subsystem is comprised of the test article, load reaction structure, load introduction structure, load transition structure, load introduction fittings and load reaction fittings.

11.2 Self-Reacting Fixture Subsystem. This subsystem is comprised of structural elements that include American Institute of Steel Construction (AISC) steel shapes, steel plates, aluminum shapes and aluminum plates.

11.3 Non-Self Reacting Fixture Subsystem. This subsystem is comprised of the prefabricated structural elements (steel and aluminum), non pre-fabricated structural elements, hard floor tracks and inserts and attachment hardware. The steel structural elements consists of double backs, single backs, "H" columns, brace channels, rolled channels and "A" legs. The aluminum structural elements consists of double backs, single backs, "H" columns, brace channels and durrals. Non pre-fabricated structural elements consist of AISC steel shapes, steel plate, Unistrut components, aluminum shapes and aluminum plates. Attachment hardware consists of bolts, spacers, threaded rods, track rods, rod insert fittings, track rod fittings, eye bolts, "A" leg shipping fixtures, pulleys, rod couplings, horseshoe fittings, universal fittings, track rod fitting blocks, floor insert rod block, track shear slugs and plugs, insert rods, shipping fixtures, turn buckles, tie back fitting, "loony" fittings, cart wheel fittings, cadmium links, double slot

(small, medium, large, and extra small), "Y" fittings (straight/large and twisted/large), twisted tongue (medium and large) and shear angles.

11.4 Electro-Mechanical Motion Subsystem. This subsystem is comprised of the screw jack actuator with fittings, electric motors and variable speed motor control units.

11.5 Electro-Hydraulic Motion Subsystem. This subsystem is comprised of the screw jack actuator with fittings, coupling shaft, bearing blocks, gearbox, hydraulic motor, hydraulic servo block, hydraulic dump block and hydraulic distribution lines.

11.6 Material Handling Subsystem. This subsystem is comprised of the north and south bridge cranes, monorail cranes, the jib cranes, chains, clevises, straps, eye bolts, pedestal jack, aircraft jacks, screw jacks, sand bags, shot bags, fork lifts, boom cranes, Grove lift, man lift, pallet mules, carts, tug, van, and material high lifter.

11.7 Personnel Access Subsystem. This subsystem is comprised of the portable system such as scaffolding, ladders, roll around steps, step platforms, and three step stools, and fixed systems such as frames, platforms, walkways, stair ways and handrails.

11.8 Fabrication Subsystem. This subsystems consist of the electric shop, hydraulic shop, machine shop, wood shop and electronics shop. The electric shop consists of conduit bender, threading machine, PVC pipe bender, vertical end mill, ten inch lathe, band saws, pneumatic drill press, bench drill presses, turret punches, bench grinders, pedestal grinder, cable puller, cut off saws, jig saw, oxygen acetylene torch, TIG welder, and arc welders. The hydraulic shop consists of lathes, end mill, tube-flaring machines, cut off/tube flaring machine, tube bending machine, cut off saws, hose crimping machine and drill presses. The machine shop consists of band saw, Fostick drill press Doall band saw, arbor presses, pedestal disc sander, bench drill press, cable swager, stencil machines, press brake, power shear, portable roll around, and bench grinder. The wood shop consists of table saw and hand saw. The electronics shop consists of resistance soldering unit, thermocouple welder, cable end soldering pot, sand blaster, high temperature wire strippers, portable resistance spot welder, curing ovens, flame spray system, video microscope system, gas soldering torches, oxygen/acetylene torch and vacuum pump.

11.9 Confined Space Lab. This lab is comprised of the test cell and chamber subsystem (floor seals, roof seals, and access doors seals), lockout subsystem (locking doors, locks and key kit and confined space and lockout signs), purge gas subsystem (nitrogen source, valves, oxygen monitoring unit, oxygen sensors, signal conditioning and display units) and exhaust/ventilation subsystem (blowers, speed controllers, switches, ducts, valves).

11.10 Servo-Hydraulic Load Application Subsystem. This subsystem is comprised of the hydraulic servo modules, hydraulic dump modules, hydraulic actuators, load cells, hydraulic accumulators, hydraulic distribution lines/fittings, formers, load bolts, shea straps, tension pads with whiffle trees and hydraulic actuator adapter fittings.

12. Acoustic Systems

12.1 Acoustic Subsystem. This subsystem consists of test chambers, acoustical horns, transition horns, air modulators (25 each, 30,000 watts each), progressive wave tubes (PWT), termination sections, mufflers, electric valves, plenums, air hoses, 12 Adcom model GVA-565 power amplifiers, and 4 Techrom 7700 series power amplifiers. The test chambers consist of the large chamber, small chamber, and wide band chamber.

13. Vibration Systems

13.1 Vibration Subsystem. This subsystem consists of the following

- 3 MB Dynamics 50 lb-f shaker systems
- 2 Unholtz-Dickie 50 lb-f shaker systems
- 1 MB Dynamics 1,200 lb-f shaker system
- 1 Unholtz-Dickie 4,000 lb-f shaker system
- 1 Unholtz-Dickie 12,000 lb-f shaker system
- 1 Unholtz-Dickie 20,000 lb-f shaker system
- 6 Unholtz-Dickie 75 lb-f shaker systems

The shaker systems all have power supplies and for the shaker that are 75 lb-f and greater, they will also include forced air-cooling or forced air and water-cooling.

14. Fatigue and Fracture Systems

14.1 Fatigue and Fracture Lab No-1 ,MTS machines (1EA-500kip, 2EA-200kip, 2EA-100kip, 3EA-55kip, 4EA-22kip, 1EA-10kip and Sintech load frame, 22 kip) This lab is comprised of the hydraulic system (valves, accumulators, manifolds, hydraulic actuator, servo-valves, control/dump valve, and control system), control systems (IBM compatible computer, digital to analog converter, analog to digital converter, analog controller, general purpose interface bus), data acquisition systems (IBM compatible computer, digital to analog converter, analog to digital converter, general purpose interface bus, and VXI data bus), grips and grip control system, and instrumentation system (strain gauges, displacement transducers, load cells, signal conditioning and transducer cabling and connectors.

14.2 Fatigue and Fracture Lab No-2 ,MTS Machines (2EA-100kip, 1EA-22kip) This lab is comprised of the hydraulic system (valves, accumulators, manifolds, hydraulic actuator, servo-valves, control/dump valve, and control system), environmental cooling system (pump, valves, reservoir tank, tube exchanger), environmental chamber (heater elements and vacuum pump), environmental compressed gas tanks (air, nitrogen, oxygen, helium, argon and valves), quartz lamp heater, control systems (IBM compatible computer, digital to analog converter, analog to digital converter, analog controller, general purpose interface bus, MKS gas flow controller, Barber Coleman temperature controllers, and Honeywell temperature controllers), data acquisition systems (IBM compatible computer, digital to analog converter, analog to digital converter, general purpose interface bus, and VXI data bus), grips and grip control system, and instrumentation system (strain gauges, displacement transducers, thermocouples, RTD, load cells, pressure transducers, strain gauge attachment methods and temperature gauge attachment methods), signal conditioning and transducer cabling and connectors. NDI/NDE systems include Scanning electron microscope and rotating eddy current probe.

14.3 FATIGUE AND FRACTURE SUB FACILITY NO-3, (MTS LOAD FRAME IEA-10KIP, SINTECH LOAD FRAME, 22 KIP) This lab is comprised of MTS load frame including the hydraulic system (valves, accumulators, manifolds, hydraulic actuator, servo-valves, control/dump valve, and control system), control systems (IBM compatible computer, digital to analog converter, analog to digital converter, analog controller, general purpose interface bus), data acquisition systems (IBM compatible computer, digital to analog converter, analog to digital converter, general purpose interface bus, and VXI data bus), grips and grip control system, and instrumentation system (strain gauges, displacement transducers, load cells, signal conditioning and transducer cabling and connectors. Sintech load frame system including Screw Jack, Load Cell, Grips, Grip Control System (Hand Valves, Hydraulic Supply Lines, Hydraulic Return Lines), Control System (IBM Compatible Personal Computer, Digital to Analog Converter, Analog to Digital Converter, Analog Controller, General Purpose Interface Bus), Data Acquisition System (IBM Compatible Personal Computer, Analog to Digital Converter, Digital to Analog Converter, General Purpose Interface Bus, Data Bus), Instrumentation System (Signal Conditioning, Transducer Cables, Connectors, Transducers, General Purpose Room Temperature Strain Gages,).

14.4 Hydraulic Supply Subsystem This subsystem is comprised of pumps, motors, accumulators, pressure compensators, heat exchanger unit, oil reservoir tank, filters, and valves. This subsystem supports both fatigue and fracture lab facilities.

15. Composite Fabrication Systems

15.1 This subsystem consists of the machine shop, composite lay-up shop, chemical lab and an impact test facility. The machine shop includes a 3-axis CNC water jet cutter, a CNC bed mill, a horizontal mill, vertical mills, drill presses, radial drills, a band saw, a CNC surface grinder, a lathe, a sheet metal shear, a box and pan brake, a belt/disc sander, a buffer/polisher and numerous inspection and measuring tools. The composite lay-up shop includes 2 autoclaves, a laminating press, ovens, a hygrothermograph, a bag sealer, freezers, refrigerators and vacuum pumps. The chemical lab consists of a furnace, microwave ovens for resin digestion, scales and balances and fume hoods. The impact test facility includes a low velocity impact test system, MTS frame and data acquisition system.

**DEPARTMENT OF DEFENSE
CONTRACT SECURITY CLASSIFICATION SPECIFICATION**

(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)

1. CLEARANCE AND SAFFGUARDING

a. FACILITY CLEARANCE REQUIRED

SECRET

b. LEVEL OF SAFFGUARDING REQUIRED

N/A

2. THIS SPECIFICATION IS FOR: (X and complete as applicable)

a. PRIME CONTRACT NUMBER
R33601-01-DJ001 Exp Date: 050930

b. SUBCONTRACT NUMBER

c. SOLICITATION OR OTHER NUMBER DUE DATE (YYYYMMDD)

3. THIS SPECIFICATION IS: (X and complete as applicable)

a. ORIGINAL (Complete date in all cases)
DATE (YYYYMMDD)
2000727

h. REVISED (Supersedes all previous specs) REVISION NO. DATE (YYYYMMDD)

c. FINAL (Complete Item 5 in all cases) DATE (YYYYMMDD)

4. IS THIS A FOLLOW-ON CONTRACT? YES NO. If Yes, complete the following:
Classified material received or generated under _____ (Preceding Contract Number) is transferred to this follow-on contract.

5. IS THIS A FINAL DD FORM 254? YES NO. If Yes, complete the following:
In response to the contractor's request dated _____, retention of the classified material is authorized for the period of _____.

6. CONTRACTOR (Include Commercial and Government Entity (CAGE) Code)

a. NAME, ADDRESS, AND ZIP CODE
SelectTech Services Corporation
325 Regency Ridge
Centerville, OH 45459-4252

b. CAGE CODE
7W030

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)
DSS MIDWEST (OMW)
610 SOUTH CANAL ROOM 800
CHICAGO IL 60607 4599

7. SUBCONTRACTOR

a. NAME, ADDRESS, AND ZIP CODE
N/A

b. CAGE CODE
N/A

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)
N/A

8. ACTUAL PERFORMANCE

a. LOCATION
N/A

b. CAGE CODE
N/A

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)
N/A

9. GENERAL IDENTIFICATION OF THIS PROCUREMENT

Provide labor and materials to support test activities at the Structures Division Test Facilities

10. CONTRACTOR WILL REQUIRE ACCESS TO:		YES	NO	11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:		YES	NO
a.	COMMUNICATIONS SECURITY (COMSEC) INFORMATION		<input checked="" type="checkbox"/>	a.	HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b.	RESTRICTED DATA		<input checked="" type="checkbox"/>	b.	RECEIVE CLASSIFIED DOCUMENTS ONLY		<input checked="" type="checkbox"/>
c.	CRITICAL NUCLEAR WEAPON DESIGN INFORMATION		<input checked="" type="checkbox"/>	c.	RECEIVE AND GENERATE CLASSIFIED MATERIAL		<input checked="" type="checkbox"/>
d.	FORMERLY RESTRICTED DATA		<input checked="" type="checkbox"/>	d.	FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE		<input checked="" type="checkbox"/>
e.	INTELLIGENCE INFORMATION		<input checked="" type="checkbox"/>	e.	PERFORM SERVICES ONLY		<input checked="" type="checkbox"/>
	(1) Sensitive Compartmented Information (SCI)		<input checked="" type="checkbox"/>	f.	HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES		<input checked="" type="checkbox"/>
	(2) Non-SCI		<input checked="" type="checkbox"/>	g.	BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f.	SPECIAL ACCESS INFORMATION		<input checked="" type="checkbox"/>	h.	REQUIRE A COMSEC ACCOUNT		<input checked="" type="checkbox"/>
g.	KATO INFORMATION		<input checked="" type="checkbox"/>	i.	HAVE TEMPORARY REQUIREMENTS		<input checked="" type="checkbox"/>
h.	FOREIGN GOVERNMENT INFORMATION		<input checked="" type="checkbox"/>	j.	HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS		<input checked="" type="checkbox"/>
i.	LIMITED DISSEMINATION INFORMATION		<input checked="" type="checkbox"/>	k.	BE AUTHORIZED TO USE THE DEFENSE COUNCIL SERVICE		<input checked="" type="checkbox"/>
j.	FOR OFFICIAL USE ONLY INFORMATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	l.	OTHER (Specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k.	OTHER (Specify)		<input checked="" type="checkbox"/>		Notification of Government Security Activity is Required. See Addendums		

12. PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval prior to release Direct Through (Specify)

ASC/PA
 1865 4th Street, Suite 15
 WPAFB OH 45433-6503

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs)* for review
 *In the case of non DoD User Agencies, requests for disclosure shall be submitted to that agency.

13. SECURITY GUIDANCE. The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. *(Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/judges/extracts referenced herein. Add additional pages as needed to provide complete guidance.)*

- a. REF BLK 10J: For Official Use Only (FOUO) applies. See addendum.
- b. REF BLK 11A: Contractor will require access to classified information up to and including secret. Government activity will furnish complete classification guidance. Contractor performance will occur in buildings 24-C, 65, 461 and the Hydrogen Test facility, Area B, WPAFB, OH.
- c. REF BLK 11H: The Notification of Government Security Activity and visitor group security agreement clause applies. See contract clause in Section 1 for details.
- d. Contract Monitor: Judith A. Clarke, AFRL/VASV, (937) 255 5059, Ext. 251.
- e. ACO Address: ASC/PKWQ, Bldg 1
 1940 Allbrook Drive, Ste 3
 Wright-Patterson AFB OH 45433-5309
- f. The National Industrial Security Program Operating Manual (NISPO, January 1995) applies to this contract.

14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to ISM requirements, are established for this contract. Yes No
(If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.)

15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. Yes No
(If Yes, explain and identify specific areas in elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.)

REF BLK 11L: ASC/SYSP will maintain security oversight for all on-base performance.

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL CATHERINE A. DOYLE	b. TITLE Contracting Officer	c. TELEPHONE (Include Area Code) (937)257 5847, Ext.4387			
d. ADDRESS (Include Zip Code) ASC/PKWQ, Bldg 1 1940 Allbrook Drive, Ste 3 Wright-Patterson AFB OH 45433-5309	<table border="1"> <tr> <td rowspan="2"> ASC/SYSP COORDINATING PC-ONLY <i>[Signature]</i> 1/28/00 </td> <td>REQUIRED DISTRIBUTION</td> </tr> <tr> <td> a. CONTRACTOR b. SUBCONTRACTOR c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION e. ADMINISTRATIVE CONTRACTING OFFICER f. OTHERS AS NECESSARY </td> </tr> </table>		ASC/SYSP COORDINATING PC-ONLY <i>[Signature]</i> 1/28/00	REQUIRED DISTRIBUTION	a. CONTRACTOR b. SUBCONTRACTOR c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION e. ADMINISTRATIVE CONTRACTING OFFICER f. OTHERS AS NECESSARY
ASC/SYSP COORDINATING PC-ONLY <i>[Signature]</i> 1/28/00	REQUIRED DISTRIBUTION				
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e. SIGNATURE <i>Catherine A. Doyle</i> 8/2/00	ASC/SYSP (Security Office) 1001 TENTH ST IN RM 103 WPAFB OH 45433-7525				

NOTIFICATION OF GOVERNMENT SECURITY ACTIVITY

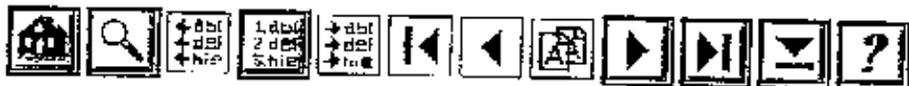
1. Thirty days before the date Contractor operations will begin on Wright-Patterson AFB OH, the Contractor shall provide ASC/SYSPC, 1801 Tenth Street, WPAFB, OH 45433-7625 the following information:

- a. The name, address, and telephone number of your company's Facility Security Officer and your designated on-site security representative;
- b. The contract number and military contracting command;
- c. The highest classification category of defense information to which Contractor employees will have access;
- d. The date Contractor operations will begin on WPAFB OH;
- e. The estimated completion date of operations on WPAFB OH;

2. This requirement is in addition to visit request notification procedures contained in DoD 5220.22M, National Industrial Security Program Operating Manual, Chapter 6.

FOR OFFICIAL USE ONLY (FOUO)

1. **GENERAL:** FOUO is information that has not been given a security classification pursuant to the criteria of an Executive Order, but which may be withheld from the public because disclosure would cause a foreseeable harm to an interest protected by one or more of the Freedom of Information Act (FOIA) exemptions 2 through 9. Additional information on FOUO may be obtained by contacting the User Agency. FOUO is assigned to information at the time it is created in a DoD Agency or derivatively as instructed in a Security Classification Guide.
2. **MARKING:**
 - a. FOUO information received (released by a DoD component) should contain the following marking, when received: ***THIS DOCUMENT CONTAINS INFORMATION EXEMPT FROM MANDATORY DISCLOSURE UNDER FOIA, EXEMPTION(S) _____ APPLIES/APPLY.***
 - b. Mark an unclassified document containing FOUO information "FOR OFFICIAL USE ONLY" at the bottom of each page containing FOUO information and on the bottom of the front page or front cover (if any) and on the back of the last page and on the back cover (if any). Each paragraph containing FOUO information shall be marked as such.
 - c. Within a classified document, an individual page that contains both FOUO and classified information shall be marked at the top and bottom with the highest security classification of information appearing on the page. Individual paragraphs shall be marked at the appropriate classification level, as well as unclassified or FOUO, as appropriate. An individual page that contains FOUO information but no classified information shall be marked "FOR OFFICIAL USE ONLY" at the top and bottom of the page, as well as each paragraph that contains FOUO information. NOTE: For "production efficiency" the entire document may be marked top and bottom with the highest level of classification contained within it, as long as every paragraph is marked to reflect the specific classification of the information it contains.
 - d. Mark other records, such as computer print outs, photographs, films, tapes, or slides "FOR OFFICIAL USE ONLY" so that the receiver or viewer knows the record contains FOUO information.
 - e. Mark each part of a message that contains FOUO information. Unclassified messages containing FOUO information must show the abbreviation "FOUO" before the text begins.
4. **DISSEMINATION:** FOUO may be disseminated between officials of DoD Components, DoD contractors, consultants and grantees to conduct official business for DoD. Recipients shall be made aware of the status of such information and transmission shall be by means that preclude unauthorized public disclosure.
5. **TRANSMISSION:** FOUO information shall be transmitted in a manner that prevents disclosure of the contents. When not commingled with classified information, it may be sent via first-class mail or parcel post. Bulky shipments, i.e. testing materials, that otherwise qualify under postal regulations, may be sent by fourth-class mail. FOUO information may also be sent over facsimile equipment; however, when deciding whether to use this means, balance the sensitivity of the records against the risk of disclosure. Consider the location of sending and receiving machines and ensure authorized personnel are available to receive the FOUO information as soon as it is transmitted. Transmittal documents shall call attention to the presence of FOUO attachments. FOUO information may also be sent via e-mail, if it is sent via a system that will prevent unintentional or unauthorized disclosure.
6. **STORAGE:** To safeguard FOR OFFICIAL USE ONLY records during normal duty hours, place them in an out-of-sight location if your work area is accessible to persons who do not have a valid need for the information. After normal duty hours, store FOUO records to prevent unauthorized access. File them with other unclassified records in unlocked files or desks when normal internal building security is provided. When there is no internal building security, locked buildings or rooms normally provide adequate after-hours protection. If such protection is not considered adequate, FOUO material shall be stored in locked containers such as file cabinets, desks, or bookcases. *Expenditure of funds for security containers or closed areas solely for the protection of FOUO data is prohibited.*
7. **DESTRUCTION:** When no longer needed, FOUO information shall be disposed of by any method that will preclude its disclosure to unauthorized individuals.



WAGE DETERMINATION NO: 94-2419 REV (15) AREA: OH, DAYTON

WAGE DETERMINATION NO: 94-2419 REV (15) AREA: OH, DAYTON
 REGISTER OF WAGE DETERMINATIONS UNDER U.S. DEPARTMENT OF LABOR
 FOR OFFICIAL USE ONLY BY FEDERAL AGENCIES PARTICIPATING IN MOU WITH DOL
 WASHINGTON D.C. 20210

William W. Gross
 Director

Division of
 Wage Determinations

Wage Determination No.: 1994-2419
 Revision No.: 15
 Date Of Last Revision: 06/14/2000

States: Indiana, Ohio
 Area: Indiana Counties of Randolph, Union, Wayne
 Ohio Counties of Champaign, Clark, Clinton, Darke, Greene, Logan, Miami,
 Montgomery, Preble, Shelby

Fringe Benefits Required Follow the Occupational Listing

OCCUPATION TITLE	MINIMUM WAGE RATE
Mortician	20.70
School Crossing Guard (Crosswalk Attendant)	8.83
Administrative Support and Clerical Occupations	
Accounting Clerk I	9.55
Accounting Clerk II	9.97
Accounting Clerk III	11.65
Accounting Clerk IV	14.54
Court Reporter	12.04
Dispatcher, Motor Vehicle	13.78
Document Preparation Clerk	10.34
Duplicating Machine Operator	10.34
Film/Tape Librarian	10.28
General Clerk I	8.07
General Clerk II	8.40
General Clerk III	9.96
General Clerk IV	11.92
Housing Referral Assistant	14.67
Key Entry Operator I	8.65
Key Entry Operator II	11.22
Messenger (Courier)	8.32
Order Clerk I	8.36
Order Clerk II	11.67
Personnel Assistant (Employment) I	8.66
Personnel Assistant (Employment) II	9.73
Personnel Assistant (Employment) III	12.19
Personnel Assistant (Employment) IV	13.58
Production Control Clerk	15.66
Rental Clerk	11.02
Scheduler, Maintenance	11.02
Secretary I	11.02
Secretary II	12.82
Secretary III	14.67
Secretary IV	17.99
Secretary V	19.97
Service Order Dispatcher	11.76
Stenographer I	9.16
Stenographer II	10.96
Supply Technician	17.99
Survey Worker (Interviewer)	12.04

Switchboard Operator-Receptionist	8.57
Test Examiner	12.92
Test Proctor	12.92
Travel Clerk I	9.02
Travel Clerk II	9.62
Travel Clerk III	10.20
Word Processor I	10.87
Word Processor II	12.21
Word Processor III	13.68
Automatic Data Processing Occupations	
Computer Data Librarian	9.90
Computer Operator I	9.90
Computer Operator II	11.13
Computer Operator III	14.00
Computer Operator IV	16.61
Computer Operator V	18.39
Computer Programmer I (1)	16.74
Computer Programmer II (1)	20.13
Computer Programmer III (1)	23.25
Computer Programmer IV (1)	27.63
Computer Systems Analyst I (1)	22.83
Computer Systems Analyst II (1)	25.57
Computer Systems Analyst III (1)	27.63
Peripheral Equipment Operator	11.40
Automotive Service Occupations	
Automotive Body Repairer, Fiberglass	18.52
Automotive Glass Installer	17.14
Automotive Worker	17.14
Electrician, Automotive	17.84
Mobile Equipment Service	15.77
Motor Equipment Metal Mechanic	18.52
Motor Equipment Metal Worker	17.14
Motor Vehicle Mechanic	17.38
Motor Vehicle Mechanic Helper	15.09
Motor Vehicle Upholstery Worker	16.46
Motor Vehicle Wrecker	17.14
Painter, Automotive	17.84
Radiator Repair Specialist	17.14
Tire Repairer	15.24
Transmission Repair Specialist	18.52
Food Preparation and Service Occupations	
Baker	11.40
Cook I	10.55
Cook II	11.40
Dishwasher	8.83
Food Service Worker	8.83
Meat Cutter	11.40
Waiter/Waitress	9.22
Furniture Maintenance and Repair Occupations	
Electrostatic Spray Painter	17.84
Furniture Handler	13.73
Furniture Refinisher	17.84
Furniture Refinisher Helper	15.09
Furniture Repairer, Minor	16.46
Upholsterer	17.84
General Services and Support Occupations	
Cleaner, Vehicles	8.83
Elevator Operator	8.83
Gardener	10.55
House Keeping Aid I	8.17
House Keeping Aid II	9.27
Janitor	9.27
Laborer, Grounds Maintenance	9.30
Maid or Houseman	8.17
Pest Controller	11.30

Refuse Collector	10.15
Tractor Operator	10.26
Window Cleaner	9.77
Health Occupations	
Dental Assistant	11.02
Emergency Medical Technician (EMT)/Paramedic/Ambulance Driver	11.02
Licensed Practical Nurse I	12.23
Licensed Practical Nurse II	13.72
Licensed Practical Nurse III	15.35
Medical Assistant	9.85
Medical Laboratory Technician	10.44
Medical Record Clerk	10.30
Medical Record Technician	13.65
Nursing Assistant I	7.15
Nursing Assistant II	8.04
Nursing Assistant III	8.77
Nursing Assistant IV	9.85
Pharmacy Technician	12.28
Phlebotomist	9.85
Registered Nurse I	14.69
Registered Nurse II	17.92
Registered Nurse II, Specialist	17.92
Registered Nurse III	21.68
Registered Nurse III, Anesthetist	21.68
Registered Nurse IV	25.98
Information and Arts Occupations	
Audiovisual Librarian	17.96
Exhibits Specialist I	15.21
Exhibits Specialist II	20.21
Exhibits Specialist III	27.61
Illustrator I	15.21
Illustrator II	20.21
Illustrator III	22.61
Librarian	19.93
Library Technician	12.04
Photographer I	13.33
Photographer II	15.71
Photographer III	20.21
Photographer IV	22.61
Photographer V	25.90
Laundry, Dry Cleaning, Pressing and Related Occupations	
Assembler	6.53
Counter Attendant	6.53
Dry Cleaner	8.58
Finisher, Flatwork, Machine	6.53
Presser, Hand	6.53
Presser, Machine, Drycleaning	6.53
Presser, Machine, Shirts	6.53
Presser, Machine, Wearing Apparel, Laundry	6.53
Sewing Machine Operator	9.19
Tailor	9.79
Washer, Machine	7.22
Machine Tool Operation and Repair Occupations	
Machine-Tool Operator (Toolroom)	18.24
Tool and Die Maker	22.69
Material Handling and Packing Occupations	
Forklift Operator	15.45
Fuel Distribution System Operator	16.76
Material Coordinator	18.08
Material Expediter	18.08
Material Handling Laborer	15.47
Order Filler	10.74
Production Line Worker (Food Processing)	14.26
Shipping Packer	12.71
Shipping/Receiving Clerk	12.71

Stock Clerk (Shelf Stocker; Store Worker II)	13.90
Store Worker I	12.07
Tools and Parts Attendant	14.56
Warehouse Specialist	14.56
Mechanics and Maintenance and Repair Occupations	
Aircraft Mechanic	18.52
Aircraft Mechanic Helper	15.09
Aircraft Quality Control Inspector	19.17
Aircraft Servicer	16.46
Aircraft Worker	17.14
Appliance Mechanic	17.84
Bicycle Repairer	15.24
Cable Splicer	18.52
Carpenter, Maintenance	17.84
Carpet Layer	17.14
Electrician, Maintenance	18.28
Electronics Technician, Maintenance I	11.83
Electronics Technician, Maintenance II	17.42
Electronics Technician, Maintenance III	18.22
Fabric Worker	16.46
Fire Alarm System Mechanic	18.52
Fire Extinguisher Repairer	15.77
Fuel Distribution System Mechanic	18.52
General Maintenance Worker	17.14
Heating, Refrigeration and Air Conditioning Mechanic	18.52
Heavy Equipment Mechanic	18.52
Heavy Equipment Operator	18.52
Instrument Mechanic	18.52
Laborer	10.15
Locksmith	17.84
Machinery Maintenance Mechanic	22.65
Machinist, Maintenance	17.38
Maintenance Trades Helper	15.09
Millwright	21.13
Office Appliance Repairer	17.84
Painter, Aircraft	17.84
Painter, Maintenance	17.84
Pipefitter, Maintenance	19.88
Plumber, Maintenance	19.16
Pneumatic Systems Mechanic	18.52
Rigger	18.52
Scale Mechanic	17.14
Sheet-Metal Worker, Maintenance	18.52
Small Engine Mechanic	17.14
Telecommunication Mechanic I	18.52
Telecommunication Mechanic II	20.73
Telephone Lineman	18.52
Welder, Combination, Maintenance	18.52
Well Driller	18.52
Woodcraft Worker	18.52
Woodworker	15.77
Miscellaneous Occupations	
Animal Caretaker	9.72
Carnival Equipment Operator	11.80
Carnival Equipment Repairer	12.13
Carnival Worker	10.14
Desk Clerk	9.14
Embalmer	18.00
Lifeguard	8.67
Park Attendant (Aide)	10.89
Photofinishing Worker (Photo Lab Tech., Darkroom Tech)	9.37
Recreation Specialist	12.67
Recycling Worker	11.64
Sales Clerk	8.15
Sport Official	8.67

Survey Party Chief (Chief of Party)	16:04:
Surveying Aide	8.23
Surveying Technician (Instr. Person/Surveyor Asst./Instr.)	12.60
Swimming Pool Operator	11.60
Vending Machine Attendant	10.12
Vending Machine Repairer	11.40
Vending Machine Repairer Helper	10.12
Personal Needs Occupations	
Child Care Attendant	9.14
Child Care Center Clerk	12.23
Chore Aid	9.14
Homemaker	13.05
Plant and System Operation Occupations	
Boiler Tender	18.52
Sewage Plant Operator	17.84
Stationary Engineer	19.05
Ventilation Equipment Tender	16.66
Water Treatment Plant Operator	17.84
Protective Service Occupations	
Alarm Monitor	13.27
Corrections Officer	13.98
Court Security Officer	15.55
Detention Officer	15.55
Firefighter	15.14
Guard I	8.18
Guard II	12.79
Police Officer I	18.09
Stevedoring/Longshoremen Occupations	
Blocker and Bracer	16.20
Hatch Tender	16.42
Line Handler	16.42
Stevedore I	15.57
Stevedore II	16.88
Technical Occupations	
Air Traffic Control Specialist, Center (2)	26.27
Air Traffic Control Specialist, Station (2)	18.12
Air Traffic Control Specialist, Terminal (2)	19.95
Archeological Technician I	14.58
Archeological Technician II	16.33
Archeological Technician III	20.21
Cartographic Technician	20.21
Cashier	7.46
Civil Engineering Technician	20.21
Computer Based Training (CBT) Specialist/ Instructor	25.42
Drafter I	13.22
Drafter II	14.85
Drafter III	16.95
Drafter IV	22.52
Engineering Technician I	11.47
Engineering Technician II	12.89
Engineering Technician III	17.37
Engineering Technician IV	18.67
Engineering Technician V	22.77
Engineering Technician VI	27.62
Environmental Technician	19.68
Flight Simulator/Instructor (Pilot)	25.76
Graphic Artist	20.39
Instructor	22.82
Laboratory Technician	16.10
Mathematical Technician	18.63
Paralegal/Legal Assistant I	12.04
Paralegal/Legal Assistant II	16.77
Paralegal/Legal Assistant III	20.45
Paralegal/Legal Assistant IV	24.82
Photooptics Technician	19.06

Technical Writer	27.08
Unexploded (UXO) Safety Escort	16.70
Unexploded (UXO) Sweep Personnel	16.70
Unexploded Ordnance (UXO) Technician I	16.70
Unexploded Ordnance (UXO) Technician II	20.20
Unexploded Ordnance (UXO) Technician III	24.22
Weather Observer, Combined Upper Air and Surface Programs (3)	14.00
Weather Observer, Senior (3)	15.55
Weather Observer, Upper Air (3)	14.00
Transportation/ Mobile Equipment Operation Occupations	
Bus Driver	12.64
Parking and Lot Attendant	7.59
Shuttle Bus Driver	11.72
Taxi Driver	9.39
Truckdriver, Heavy Truck	12.88
Truckdriver, Light Truck	10.60
Truckdriver, Medium Truck	12.62
Truckdriver, Tractor-Trailer	16.72

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: \$1.92 an hour or \$76.80 a week or \$332.80 a month.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 8 years, and 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of eleven paid holidays per year: New Year's Day, Martin Luther King Jr's Birthday, Washington's Birthday, Good Friday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

THE OCCUPATIONS WHICH HAVE PARENTHESES AFTER THEM RECEIVE THE FOLLOWING BENEFITS (as numbered):

1) Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See CFR 4.156)

2) **APPLICABLE TO AIR TRAFFIC CONTROLLERS ONLY - NIGHT DIFFERENTIAL:** An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.

3) **WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY:** If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

**** UNIFORM ALLOWANCE ****

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$3.35 per week (or

\$.57 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Title and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by the Third Supplement, dated March 1997, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE (Standard Form 1444 (SF 1444))

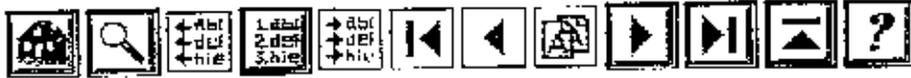
Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. (See Section 4.6 (C)(vi)) When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).
 - 2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
 - 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).
 - 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
 - 5) The contracting officer transmits the Wage and Hour decision to the contractor.
 - 6) The contractor informs the affected employees.
- Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.



CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and in the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PNT No. listed in Block C.

A. CONTRACT LINE ITEM NO. 0001 **B. EXHIBIT** A **C. CATEGORY:** N/A REF: DOD 5010.12 L AMSDL
EDP _____ 1M _____ OTHER _____

D. SYSTEM/ITEM _____ **E. CONTRACT/PR NO.** _____ **F. CONTRACTOR** _____

1. DATA ITEM NO. A005 **2. TITLE OF DATA ITEM** SCIENTIFIC AND TECHNICAL REPORTS **3. SUBTITLE** Interim and Final Reports

4. AUTHORITY (Data Acquisition Document No.) D1 MISC-80711/T **5. CONTRACT REFERENCE** See C, Para 5.1.2; * **6. REQUIRING OFFICE** AFRL/VASV

7. DD 250 REQ LT, XX**	8. DIST STATEMENT REQUIRED C	10. FREQUENCY ONE/R	12. DATE OF FIRST SUBMISSION ***	14. DISTRIBUTION		
9. APP CODE A		11. AS OF DATE ***	13. DATE OF SUBSEQUENT SUBMISSION ***	b. COPIES		
				a. ADDRESSEE	Draft	Final

16. REMARKS

* Blk 3: 5.2.4.1; 5.3.3.1; 5.3.3.2; 5.3.3.3;
5.3.4.1; 5.3.4.2; 5.3.4.3; 5.3.5.1; 5.3.5.2;
5.3.5.3; 5.3.6.1; 5.3.6.2; 5.3.6.3; 5.3.7.1;
5.3.7.2; 5.3.7.3; 5.3.8.1; 5.3.8.1; 5.3.8.2;
5.3.8.3; 5.3.9.1; 5.3.9.2; 5.3.9.3; 5.3.10.1;
5.3.10.2; 5.3.10.3; 5.3.11.1; 5.3.11.2;
5.3.11.3; 5.3.12.1; 5.3.12.2; 5.3.12.3; 5.3.13.1;
5.3.13.2; 5.3.13.3; 5.3.13.4; 5.3.13.5; 5.3.14.1;
5.3.14.2; 5.3.14.3; 5.3.15.1; 5.3.15.2;
5.3.15.3; 5.3.16.1; 5.3.16.2; 5.3.16.3; 5.3.17.1;
5.3.17.2; 5.3.17.3; 5.3.18; 5.3.19; 5.3.20.

** Blk 7: DD Form 250 shall be submitted with the report for the Final task.

Tailored to require the official AFRL emblem to be placed in the upper right hand corner of the front cover with affected entries adjusted as required (AFRL will supply a copy of the emblem); Block 10, para 10.3 is clarified so that distribution to DTIC will be through Air Force distribution channels.

Approval/disapproval by letter from the Air Force within 60 days after receipt. Disapproval requires correction/resubmission within 30 days after receipt of Air Force comments.

Draft report shall be unbound, in standard size type, double-spaced and single-sided.

Reproducible shall be a CAMERA READY, unbound, suitable for offset reproduction, and shall incorporate all changes made in the corrected draft. All photos shall be glossy finished. Submit the reproducible with the final corrected version only. Submit reproducible on zip drive disk compatible with MS-Office for Windows.

15. TOTAL 1 1 1

G. PREPARED BY JUDITH A. CLARKE AFRL/VASV, (937)255-5059	H. DATE 22DEC99	I. APPROVED BY Leslie S. ... Data Mgr., Det 3, AFRL/WSPT	J. DATE 22DEC99
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17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please do not return your form to either of these addresses. Send completed form to the Government Printing Contracting Office for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. 0001	B. EXHIBIT A	C. CATEGORY: TOP _____ TM _____ OTHER _____	N/A REF: DOD 5010.12-L AMSDL
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D. SYSTEM/TEAM	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO. A007	2. TITLE OF DATA ITEM TECHNICAL REPORTS - STUDY/SERVICES	3. SUBTITLE SPECIAL REPORTS: *
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

4. AUTHORITY (Data Acquisition Document No.) DT-MTSC-80508/T	5. CONTRACT REFERENCE	6. REQUIRING OFFICE AFRL/VASV
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7. DD 250 REQ	9. DIST STATEMENT REQUIRED B	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESS(es)	b. COPIES	
					Draft	Final
					Reg	Repts

16. REMARKS CONTINUATION SHEET 11). Test Schedules: or Adjustments ASREQ; Submit as generated 12). Start Up Plan 1Time; 5DAC 13). Operating & Control Systems Planning ASREQ; Submit as generated 14). Request for Permission to Purchase Direct Materials, Equipment, or Subcontracting ASREQ; Submit as generated 15). Proof of Payment ASREQ; Submit as generated 16). System Functional Relationships ASREQ; Submit as generated 17). Schematic Block Diagrams ASREQ; Submit as generated 18). Flow Charts ASREQ; Submit as generated 19). System & Component Requirements ASREQ; Submit as generated 20). Communication/Video Systems Requirements/ Conceptualization ASREQ; Submit as generated 21). Engineering Drawings ASREQ; Submit as generated 22). Functional Block Diagrams ASREQ; Submit as generated 23). Safety Log Book ASREQ; 24). Issued Tools Log Book ASREQ; 25). Preventative Maintenance Log Books/Reports ASREQ; 26). Operation & Maintenance Log Books/Reports ASREQ; 27). Travel Log Books and Reports ASREQ; 28). Standard Operating Procedures ASREQ; 29). Test Data ASREQ; Submit as generated 30). System Design Parameters ASREQ; Submit as generated	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">15. TOTAL</td> </tr> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> </table>	15. TOTAL			
15. TOTAL					

G. PREPARED BY JUDITH A. CLARKE AFRL/VASV, (937)255-5059	H. DATE 22DEC99	I. APPROVED BY Leslie J. S. [Signature], 57466 Data [Signature]	J. DATE 22DEC99
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CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. 0001	B. EXHIBIT A	C. CATEGORY: TOP _____ TM _____ OTHER _____	N/A REF: DOD 5010.12-L AMSDI
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D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO. A007	2. TITLE OF DATA ITEM TECHNICAL REPORTS STUDY/SERVICES	3. SUBTITLE SPECIAL REPORTS
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4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80508/T	5. CONTRACT REFERENCE	6. REQUIRING OFFICE AFRL/VASV
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7. DO 250 REQ	8. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF THIS SUBMISSION	14. DISTRIBUTION		
9. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE AFRL/VASV	b. COPIES	
					Draft	Final Reg Repr

16. REMARKS

CONTINUATION SHEET

31). User's Manuals-
(All Types) ASREQ; Submit as generated

32). Test Plans ASREQ; Submit as generated

33). Analyses, Design Results,
& Calculations ASREQ; Submit as generated

34). Photographic, Video,
and Audio Materials ASREQ; Submit as generated

35). Logic Diagrams ASREQ; Submit as generated

36). Special Reports ASREQ; Submit as generated

15. TOTAL					
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G. PREPARED BY JUDITH A. CLARKE AFRL/VASV, (937)255-5059	H. DATE 22DEC99	I. APPROVED BY Leslie J. [Signature], 57486 Data Item [Signature]	J. DATE 22DEC99
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 200 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. 0001 **B. EXHIBIT** A **C. CATEGORY:** N/A REF: DOD 5010.12-1, AMSDL
TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM _____ **E. CONTRACT/PR NO.** _____ **F. CONTRACTOR** _____

1. DATA ITEM NO. A012 **2. TITLE OF DATA ITEM** OPERATION and MAINTENANCE INSTRUCTIONS for RESEARCH and * **3. SUBTITLE** _____

4. AUTHORITY (Data Acquisition Document No.) DI-MISC-81414/T **5. CONTRACT REFERENCE** Sec C, Para ** **6. REQUIRING OFFICE** AFRL/VASV

7. DD 250 REQ I/T I/T	9. DIST STATEMENT REQUIRED B	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION ***	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE ***	13. DATE OF SUBSEQUENT SUBMISSION ***	a. ADDRESSEE AFRL/VASV	b. COPIES	
					Draft	Final

15. REMARKS

Tailored to allow contractor's format.

* Development Equipment

ASREQ means as required to document operating and maintenance instructions for R&D equipment developed or modified under each delivery order.

** Blk 5: 5.3.3.2; 5.3.3.3; 5.3.4.2; 5.3.4.3; 5.3.5.2; 5.3.5.3; 5.3.6.2; 5.3.6.3; 5.3.7.2; 5.3.7.3; 5.3.8.2; 5.3.8.3; 5.3.9.2; 5.3.9.3; 5.3.10.2; 5.3.10.3; 5.3.11.2; 5.3.11.3; 5.3.12.2; 5.3.12.3; 5.3.13.2; 5.3.13.3; 5.3.13.4; 5.3.13.5; 5.3.14.2; 5.3.14.3; 5.3.15.2; 5.3.15.3; 5.3.16.2; 5.3.16.3; 5.3.17.2; 5.3.17.3; 5.3.18.

*** Submit as detailed in each delivery order.

Submit reproducible on 3.5" floppy disk, or CD-ROM compatible with MS-Office for Windows.

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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY JUDITH A. CLARKE AFRL/VASV, (937) 255-5059	H. DATE 22DEC99	I. APPROVED BY Leslie T. Friedman, 57466 Data Mgmt Dir, AFRL/VASV	J. DATE 22DEC99
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