


AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE See Block #2		PAGE OF PAGES 1 of 3	
2. AMENDMENT/MODIFICATION NO. 0005		3. EFFECTIVE DATE 16 NOV 2007		4. REQUISITION/PURCHASE REQ.NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY 653 ELSG/PK GLOBAL INFORMATION GRID SYSTEMS AIR FORCE MATERIEL COMMAND, USAF 5 EGLIN ST HANSCOM AFB, MA 01731-2100 PATRICK N. JACKSON 781-377-3848 patrick.jackson@hanscom.af.mil		CODE FA8726		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(X)		9A. AMENDMENT OF SOLICITATION NO. FA8726-07-R-0018	
				X		9B. DATED (SEE ITEM 11)	
						10A. MODIFICATION OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" 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 1 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 MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
(X) <input checked="" type="checkbox"/> A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A. <input type="checkbox"/> B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). <input type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: <input type="checkbox"/> D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input 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.) Amendment 0005 to FA8726-07-R-0018 is accomplished to replace, in its entirety, Section J Attachment 13.							
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 SIGNER (Type or print) MARIAH G. BLAINE			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)				BY  (Signature of Contracting Officer)		16 Nov 07	

SCHEDULE OF CHANGES

The purpose of this amendment is to make the following changes:

1. This amendment is issued to administratively correct the Procurement Summary at BEQ Table in Amendment 0004, Attachment 13 which incorrectly stated the BEQ total quantities for CLINs 0010 through 0013 as the original quantities (i.e. 55 TEU/TOC A & B Kits, 51 HAC/RMPE A & B Kits) rather than the revised quantities (50 TEU/TOC A & B Kits & 46 HAC/RMPE A & B Kits) per Amendment 0002."
2. Section J, Attachment 13, Cost Format is replaced in its entirety.

LIST OF ATTACHMENTS

<u>DOCUMENT</u>	<u>PGS</u>	<u>DATE</u>	<u>TITLE</u>
ATTACHMENT 13	25	15 NOV 2007	COST FORMATS

ATTACHMENT 13

COST FORMAT

FOR

**SYSTEM DESIGN AND DEVELOPMENT (SDD),
PRODUCTION, DEPLOYMENT, AND INTERIM CONTRACTOR
SUPPORT**

IN SUPPORT OF

**MINUTEMAN MINIMUM ESSENTIAL EMERGENCY
COMMUNICATIONS NETWORK (MEECN)
PROGRAM (MMP) UPGRADE**

REVISION 3

16 NOVEMBER 2007

B-Tables

Proposed unit cost

B-Kit

Lot QTY	FY10	FY11	FY12	FY13	FY14
TEU/TOC upgrade B-kit (CLIN 0010)					
1-10	\$...	\$...	\$...	\$...	\$...
11-20	\$...	\$...	\$...	\$...	\$...
21-30	\$...	\$...	\$...	\$...	\$...
31-40	\$...	\$...	\$...	\$...	\$...
41-50	\$...	\$...	\$...	\$...	\$...
51-60	\$...	\$...	\$...	\$...	\$...
61-70	\$...	\$...	\$...	\$...	\$...
71+	\$...	\$...	\$...	\$...	\$...
HAC/RMPE upgrade B-kit (CLIN 0011)					
1-10	\$...	\$...	\$...	\$...	\$...
11-20	\$...	\$...	\$...	\$...	\$...
21-30	\$...	\$...	\$...	\$...	\$...
31-40	\$...	\$...	\$...	\$...	\$...
41-50	\$...	\$...	\$...	\$...	\$...
51-60	\$...	\$...	\$...	\$...	\$...
61-70	\$...	\$...	\$...	\$...	\$...
71+	\$...	\$...	\$...	\$...	\$...

A-kit

Lot QTY	FY10	FY11	FY12	FY13	FY14
TEU/TOC upgrade A-kit (CLIN 0012)					
1-10	\$...	\$...	\$...	\$...	\$...
11-20	\$...	\$...	\$...	\$...	\$...
21-30	\$...	\$...	\$...	\$...	\$...
31-40	\$...	\$...	\$...	\$...	\$...
41-50	\$...	\$...	\$...	\$...	\$...
51-60	\$...	\$...	\$...	\$...	\$...
61-70	\$...	\$...	\$...	\$...	\$...
71+	\$...	\$...	\$...	\$...	\$...
HAC/RMPE upgrade A-kit (CLIN 0013)					
1-10	\$...	\$...	\$...	\$...	\$...
11-20	\$...	\$...	\$...	\$...	\$...
21-30	\$...	\$...	\$...	\$...	\$...
31-40	\$...	\$...	\$...	\$...	\$...
41-50	\$...	\$...	\$...	\$...	\$...
51-60	\$...	\$...	\$...	\$...	\$...
61-70	\$...	\$...	\$...	\$...	\$...
71+	\$...	\$...	\$...	\$...	\$...

Spares kit

Lot QTY	FY10	FY11	FY12	FY13	FY14
TEU/TOC Spares kit (CLIN 0014)					
1-10	\$...	\$...	\$...	\$...	\$...
11-20	\$...	\$...	\$...	\$...	\$...
21-30	\$...	\$...	\$...	\$...	\$...

HAC/RMPE Spares kit (CLIN 0015)					
1-10	\$...	\$...	\$...	\$...	\$...
11-20	\$...	\$...	\$...	\$...	\$...
21-30	\$...	\$...	\$...	\$...	\$...

XDR Mod kit

Lot QTY	FY10	FY11	FY12	FY13	FY14
XDR Waveform mod kit (CLIN 0016)					
1-10	\$...	\$...	\$...	\$...	\$...
11-20	\$...	\$...	\$...	\$...	\$...
21-30	\$...	\$...	\$...	\$...	\$...
31-40	\$...	\$...	\$...	\$...	\$...
41-50	\$...	\$...	\$...	\$...	\$...
51-60	\$...	\$...	\$...	\$...	\$...
61-70	\$...	\$...	\$...	\$...	\$...
71+	\$...	\$...	\$...	\$...	\$...

Procurement Summary

	FY11	FY12	FY13	FY14	Total
TEU/TOC B-kit (CLIN 0010)					
BEQ Qty	26	24			50
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
TEU/TOC A-kit (CLIN 0012)					
BEQ Qty	26	24			50
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
HAC/RMPE B-kit (CLIN 0011)					
BEQ Qty	23	23			46
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
HAC/RMPE A-kit (CLIN 0013)					
BEQ Qty	23	23			46
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
TEU/TOC Spares kit (CLIN 0014)					
BEQ Qty	9	8			17
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
HAC/RMPE Spares kit (CLIN 0015)					
BEQ Qty	10	9			19
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
XDR Waveform Mod kits (CLIN 0016)					
BEQ Qty		72			72
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
Grand Total	\$ -	\$ -	\$ -	\$ -	\$ -

Unconstrained Procurement Summary

	FY10	FY11	FY12	FY13	FY14
TEU/TOC B-kit (CLIN 0010)					
Proposed Qty					
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
TEU/TOC A-kit (CLIN 0012)					
Proposed Qty					
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
HAC/RMPE B-kit (CLIN 0011)					
Proposed Qty					
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
HAC/RMPE A-kit (CLIN 0013)					
Proposed Qty					
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
TEU/TOC Spares kit (CLIN 0014)					
Proposed Qty					
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
HAC/RMPE Spares kit (CLIN 0015)					
Proposed Qty					
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
XDR Waveform Mod kits (CLIN 0016)					
Proposed Qty					
Proposed Unit Cost					
Total	\$ -	\$ -	\$ -	\$ -	\$ -
Grand Total	\$ -	\$ -	\$ -	\$ -	\$ -

Price Track (Format X)

WBS		WBS Description	Initial Price	Final Price			
L	L			Schedule Shift	Spec. Change	Change in Material	Change in Labor (Specify)
1	2	3	4	5	6	7	
MMP Upgrade System Development and Demonstration							
1.1	Prime Mission Product (PMP)						
1.1.1	Subsystem 1, n (Specify names)						
1.1.1.1	Non-recurring engineering						
1.1.1.1.2	Prototypes/EDMs						
1.1.2	A/R						
1.1.2.2.1	Non-recurring engineering						
1.1.2.2.2	Prototypes/EDMs						
1.1.3	PMP Applications Software						
1.1.3.1 ... n	CSCI 1 ... n (Specify names)						
1.1.3.2	CSCI to CSCI integration and checkout						
1.1.4	PMP System Software						
1.1.4.4.1	CSCI 1 ... n (Specify names)						
1.1.4.4.2	CSCI to CSCI integration and checkout						
1.1.5	Integration, Assembly, Test and Checkout						
1.2	Platform Integration						
1.3	Systems Engineering/Program Management						
1.3.1	System Engineering						
1.3.2	Program Management						
1.4	System Test and Evaluation						
1.4.1	Development Test and Evaluation						
1.4.2	Operational Test and Evaluation						
1.5	Mockups/System Integration Label (SILs)						
1.5.1	Test and Evaluation Support						
1.5.4	Test Facilities						
1.5	Training						
1.5.1	Equipment						
1.5.2	Services						
1.5.3	Facilities						
1.5.3.2							
1.6	Data						
1.6.1	Technical Publications						
1.6.2	Engineering Data						
1.6.3	Management Data						
1.6.4	Support Data						
1.6.4.1	Data Depository						
1.7	Peculiar Support Equipment						
1.7.1	Test and Measurement Equipment						
1.7.2	Support and Handling Equipment						
1.8	Common Support Equipment						
1.8.1	Test and Measurement Equipment						
1.8.2	Support and Handling Equipment						
1.9	Studies						

CLIN Summary (In millions)

CLIN No.	Type	Title	GFY 07	GFY 08	GFY 09	GFY 10	GFY 11	GFY 12	GFY 13	GFY 14	Total
0001	CPAF	MMP UPGRADE DESIGN/DEVELOPMENT (3600 FUNDS)									
0002	CPAF	MMPU CPAF DATA									
0003		reserved									
0004		reserved									
0005	FFP	MMP UPGRADE FFP DATA									
0006	FFP	MMP UPGRADE SDD PHASE ADDITIONAL DATA									
0007	T&M	MMP UPGRADE SDD PHASE ENGINEERING SERVICES									
0008	T&M	MMP UPGRADE SDD PHASE TIME AND MATERIALS DATA									
0009	CPAF	AWARD FEE (3600 FUNDS)									
0010	FFP*	TEU/TOC UPGRADE B-KIT									
0011	FFP*	HAC/RMPE UPGRADE B-KITS									
0012	FFP*	TEU/TOC UPGRADE A-KIT									
0013	FFP*	HAC/RMPE UPGRADE A-KIT									
0014	FFP*	TEU/TOC SPARES KIT									
0015	FFP*	HAC/RMPE SPARES KIT									
0016	FFP*	XDR WAVEFORM MODIFICATION KITS									
0017	CPFF	REFURBISHMENT OF WEAPON SYSTEM OPERATIONAL TEST ARTICLES									
0018	T&M	MMP UPGRADE PRODUCTION PHASE INSTALLATION SUPPORT AND ENGINEERING SVS									
0019	T&M	INTERIM CONTRACTOR SUPPORT									
0020	FFP	SUPPORT EQUIPMENT									
0021	CR	TRAVEL									

T & M ceiling amounts are established by the government.
FFP* FFP at BEQ quantities.

Prime Contractor Rates by Government Fiscal Year								
	2007	2008	2009	2010	2011	2012	2013	2014
Prime Contractor Labor Rates								
Labor Category A								
Labor Category B								
Labor Category C								
Labor Category D								
Labor Category E								
Labor Category F								
Labor Category G								
Labor Category H								
Labor Category I								
Labor Category J								
Labor Category K								
Labor Category L								
Labor Category M								
Labor Category N								
Labor Category O								
Labor Category P								
Labor Category Q								
Labor Category R								
Labor Category S								
Prime Contractor Indirect Rates (Percentage)								
Fringe								
In-Plant Engineering Overhead								
Field Engineering Overhead								
Manufacturing Overhead								
Procurement Overhead								
G&A								
FOGOM - Labor								
FOGOM - G&A								
FOGOM - Other								
ODC (Factored)								
ODC (Factored)								
ODC (Factored)								

Time and Material by Government Fiscal Year									
		2007	2008	2009	2010	2011	2012	2013	2014
Prime Contractor Proposed:									
Labor Category A									
Labor Category B									
Labor Category C									
Labor Category D									
Labor Category E									
Subcontractor Proposed:									
Labor Category A									
Labor Category B									
Labor Category C									
Labor Category D									
Labor Category E									
Interdivisional Transfer Proposed:									
Labor Category A									
Labor Category B									
Labor Category C									
Labor Category D									
Labor Category E									

COST/PRICE BY GOVERNMENT FISCAL YEAR FOR CPAF CLIN

Cost Plus Award Fee

Cost Element	GFY 07	GFY 08	GFY 09	GFY 10	GFY 11	GFY 12	Total
Labor Costs							
In-Plant Engr Labor Costs							
Field Engr Labor Costs							
Manufacturing Labor Costs							
Interdivisional Transfers							
Subcontracts							
Subcontractor A							
Subcontractor B							
Subcontractor C							
Subcontractor D							
Materials							
Purchased Parts							
Raw Materials							
Services							
Overhead							
Procurement Overhead							
Fringe							
In-Plant Engineering Ovrhd							
Field Engineering Ovrhd							
Manufacturing Overhead							
Travel							
Other Direct Costs							
ODC A							
ODC B							
ODC C							
ODC D							
G&A							
Subtotal Cost							
FCCOM							
Total Estimated Cost							
Award Fee							
Total Est. Cost + Fee							

Cost by WBS by GFY

[illegible]

[illegible]

		MRB Description		PLAN No.											

LABOR HOURS BY WBS

LABOR HOURS BY WBS																				
Line	WBS	Description	CSN No.	Start Date	Prime Total Hours	Prime Eng In Plant	Prime Eng Field	Prime Mile Hours	Unit	Total Subtr	Subtr A	Subtr B	Subtr C	Subtr D	Subtr E	Subtr F	Subtr G	Subtr H		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
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57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57		
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66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66		
67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67		
68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68		
69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69		
70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70		
71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71		
72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72		
73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73		
74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74		
75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75		
76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76		
77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77		
78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78		
79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79		
80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80		
81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81		
82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82		
83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83		
84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84		
85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85		
86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86		
87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89		
90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90		
91	91	91	91	91	91	91	91</													

Labor Hours by WBS by GFY

		WBS Description	CU/In	DEV17		DEV18		DEV19		DEV20		DEV21		DEV22		Total Labor Hours																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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[illegible]

Software Info: Sizing, Schedule & Historical Information by CSCI

CSCI/FW	SIZE										HISTORICAL DATA			SCHEDULE (MTHS REQ)			SW LANGUAGE
	SIZING METHOD	NEW	EXISTING	DELETED	UNUSED	% REDES	% REIMP	% RETEST			ANALOGY	PROD RANGE	REQ	DESIGN/ CODE/TEST	CSCI/INTG		
CSCI 1																	
CSCI 2																	
CSCI 3																	
CSCI 4																	
CSCI 5																	
CSCI 6																	
CSCI 7																	
CSCI 8																	
CSCI 9																	
CSCI 10																	
...																	
FW1																	
FW2																	
...																	

INSTRUCTIONS

1. **CSCI/FW:** Enter the name of the component/Computer Software Configuration Item (CSCI) or Firmware (FW).

2. **SIZE:**

2.1 **Sizing Method:** Enter either Lines of Code (LOC) or Function Points (FP).

2.1.1 **Definitions:**

2.1.1.1 **Lines of Code:** Non-Comment lines of source code for the computer program. Source lines to include are: All executable source lines such as (1) Control, (2) Mathematical, (3) Conditional, (4) Deliverable Job Control, (5) Data Declaration Statements, and (6) Data Typing and Equivalence; and input/output/format. Source lines to exclude are: blank debug statements, continuation of single statement to multiple lines, machine/library generated statement, and non-deliverable test statements.

2.1.1.2 Function Points: Unadjusted function points, IFPUG compatible. Use this only if your size methods are functioned based rather than line based.

2.2 New: New non-comment lines of source code or total number of unadjusted function points, IFPUG compatible for the computer program.

2.3 Existing: The number of pre-existing lines of code or functions that will be used for this computer program.

2.4 Deleted: Number of lines of code or functions which will be deleted from the pre-existing before any work begins.

2.5 Unused: Number of lines of code or functions from pre-existing lines of code which will remain unchanged and unused within the proposed CSCI.

2.6 Redesign: Amount of redesign (software architecture) that must be performed to make this pre-existing software functional within the CSCI.

2.7 Reimplementation: Amount of reimplementation (code and unit test) of the pre-existing software that must be performed to make this software functional within the CSCI.

2.8 Retest: The amount of testing that must be performed to ensure this software functions within performance, reliability, and other criteria after the changes.

3. HISTORICAL DATA:

3.1 Analogy: Enter the name(s) of any software development effort similar to this effort.

3.2 Productivity Range: Enter the lines of code per staff month experienced in the historical analogy. Also, identify which software development phases and labor categories from the lists below are included in this metric.

Software development phases:

- Software requirements analysis (derived requirements)
- Preliminary design
- Detailed design
- Code and unit test
- Software component and higher levels of software-to-software integration and test

Software development labor categories:

- Direct software management/supervision
- Software requirements analysts
- Software design, code and unit testers
- Component and higher levels of software integration and testing personnel
- Software engineering data, configuration management and quality assurance personnel

4. **SCHEDULE MONTHS REQUIRED:**

4.1 Required: Enter the amount of schedule months required for the software requirements phase of this computer program. Assume schedule months for requirements end at the start of design, code, and unit test.

4.2 Design/Code/Test: Enter the amount of schedule months required for the design, code and unit test phase of this computer program.

4.3 CSCI Integ: Enter the amount of schedule months required for the software to software integration phase for this computer program.

5. **S/W LANGUAGE**: Enter the language used for each CSCI and FW.

Software analogy: historical metrics

Software analysis: historical metrics										CURRENT STATUS REQ										VARIABLE FOR CUMULATIVE									
CSC#	PROGRAM NAME	AT END					CURRENT					AT END					CURRENT												
		NEW	EXISTING	DELETED	UNUSED	% REQDS	% REPAIR	% RETEST	NEW	EXISTING	DELETED	UNUSED	% REQDS	% REPAIR	% RETEST	REQ CODE/TEST	REQ CODE/TEST	CSC# INTO											
CSC01																													
CSC02																													
CSC03																													
CSC04																													
CSC05																													
CSC06																													
CSC07																													
CSC08																													
CSC09																													
CSC10																													
...																													
FW1																													
FW2																													
...																													